Distributor for:

Keestrack

sensortechnik

PORTAFILL

Optical Belt Scale

www.equip2.co.nz

Helping Quarry Owners Enhance Productivity, Financial Performance and Reduce Risk.
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Helping Quarry Owners Enhance Productivity, Financial Performance and Reduce Risk.
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OUR DIFFERENCE

What sets us apart from others in the market? We have extensively analysed our customers and know what you really need in this tough industry.

Being responsible for the efficient operation of the quarries you are running – increasing productivity and financial performance while looking after your reputation and the safety of your team is no easy task, that is why we have made ourselves different from ‘the others’ in the following four points.

1. Know How
   With our extensive training and experience working with big to small quarries and everything in between, we have the knowledge to make your quarry operation run at the optimum balance, increasing the productivity of your quarry and improving your financial performance.

2. Product Utility
   Getting the right machines to suit your application is critical to the success of your operation; that’s why we have carefully selected the suppliers that we work with. Partnering with our suppliers in a close-knit way allows us to customise machinery to get the perfect material on the ground.

3. Parts Availability
   Having wear parts, consumables and all other parts readily available is critical to the success of any quarry operation. Losing profit due to machine downtime is something we hate to see happen in any operation – with an extensive range of parts available from our warehouse in Masterton NZ you can be sure to be up and running with the least downtime.

4. Service Excellence
   Service excellence is what defines who we are! Whether it be answering the phone within the first couple of rings or flying a technician to your machine in the unlikely event of a break down, we truly care about being the best in the industry when it comes to service – ask us about our audit program to find out.
ABOUT US

With over 50 years' experience in the earthmoving industry and armed with the knowledge of what effect downtime can have on any operation, we are committed to bringing you the best service ever provided in the industry.

We pride ourselves on being an experienced, proactive and dynamic company that always holds to our values, which we class as being critical to success.

In 2008 we saw an opportunity in the market for importing and selling mobile screening and crushing machines to the construction market, we recognized that it was not being serviced well and that there was a need for different machines to suit different applications.

After delivering a large order of three mobile plants (a Jaw, Cone and Screen) to Oceana Gold in the Philippians in 2009, we realized that we needed to secure an agency for a well-reputed brand that would see us become the market leader in NZ.

A lot of time and research was put into finding the right brands that would be able to support our clients and us, and now after working closely with Keestrack and Portafill for many years we are proud to say we have got a great partnership where we can give you the perfect support.
MAKE IT BETTER
Whether it’s our internal processes or customers operational needs; Make it Better is our core responsibility, to improve and make it better than what was.

ONE DIRECTION – ONE TEAM
We win together; we lose together. It doesn’t matter what ‘department’ we’re in, treating everyone with respect and fairness; we work together to solve for the solution. We provide a clean and positive work environment with development for all members.

PASSION FOR CUSTOMERS
Measuring our success by that of our customers, always driven by quality of service. At the end of the day without customers, we are not a business. This is one of our core values as without it, you won’t keep your customers happy or for long.

SENSE OF URGENCY
If it needs doing, we get it done quickly. No waiting till next week or for the ‘right’ person. We understand that meeting deadlines is vital for success.

CAN-DO ATTITUDE
An eager willingness to accept and meet challenges. Keen to give anything a go, in or outside of our comfort zone we’re willing to take on responsibility where others shy away or procrastinate.
Establishment of Hart Bros Contracting.

Starting off as general earthmoving contractors with the vision and hope of evolving into a hire company as specialists in the construction industry who can be the first and best choice in supplying hire machinery for New Zealand customers.

1960

1994

The Hart’s collectively sells C-Dax and their farming business in Manawatu. They re-establish the contracting company, which now includes heavy machinery hire.

1998

Hireways is established in Palmerston North, Manawatu to supply heavy machinery and specialist equipment to the region. The contracting business changes into Hire only.

2003

Joe Hart moves from Manawatu to Wairarapa and establishes Hiremax.

2014

Equip2 becomes the sole distributor of Portafill in New Zealand and Oceania.

2016

Equip2 becomes the sole distributor for Sensortechnic in New Zealand and Oceania.

2017

Equip2 sets up a support satellite office in Auckland to support clients in the region.
The Hart family moves from contracting to farming in Manawatu.

The Hart’s establish C-Dax Sprayers for use in agricultural industry.

Joe Hart; Hiremax’s founder; Joins the C-Dax family business.

Hiremax sources and sells Trommel screens.

Hiremax sells three mobile plants to Oceania Gold in the Philippines; A Jaw, Cone and Screen.

Equip2 is formed as a separate entity. Equip2 solidify a relationship with Keestrack and become their sole distributors for New Zealand and Oceania.

Today we continue to see Equip2 expanding their reach throughout NZ and Oceania with the opening of our office and yard in Christchurch earlier in 2019. One of Equip2’s key focuses is continuing to strengthen our after-sales technical support and parts capabilities, watch this space for the next big development in this area!
PRODUCT RANGE

OUR EQUIPMENT

Equip2 has the Mobile Crushing and Screening Plant for any application in any context. We stock High-Performance Impact Crushers, Jaw Crushers, Cone Crushers and screens from Keestrack, Portafill and MWS.
Helping Quarry Owners Enhance Productivity, Financial Performance and Reduce Risk.
ABOUT KEESTRACK
KEESTRACK FEATURES
SCREENS
JAW CRUSHERS
IMPACT CRUSHERS
CONE CRUSHERS
CONVEYOR SYSTEMS
HOW CRUSHERS WORK
In 1996 Kees Hoogendoorn and his wife, Annet Schoenmaker started Keestrack in Belgium with an ambitious vision: to build the world’s first direct feed scalper.

After starting a construction equipment business in 1988, they moved into the screening & crushing manufacturing business resulting in the concept of a direct feed mobile scalper. They decided to build their own screen in 1996.

Soon afterwards Kees went on to develop the Keestrack mobile Impact Crusher and, after acquiring OM in 2010 added a full range of Jaw Crushers to the Keestrack product range.

Today direct feed scalpers are the industry standard, with Keestrack proudly leading the way in mobile screening and crushing equipment.

100% privately owned and managed by the Hoogendoorn family, with the ideals of a family culture at the heart of everything they do.

Supporting each other as they strive to continually improve their products, creating an atmosphere that clients recognise and appreciate.

The result gives an unshakable belief in the Keestrack company and their ability to succeed and innovate in the industry.

Building technically superior screens and crushers will continue to be the goal at Keestrack, where they have started by inventing the world’s first direct feed scalping screen on tracks.
"The hand that rocks the cradle rules the world".

The first Keestrack scalping screen was produced in 1988 and today, production, research and development are still carried out in-house by founder Kees Hoogendoorn and a team of highly skilled experts.
**WIRELESS REMOTE CONTROL**

Keestrack’s wireless remote offers more than just a convenient way to start and stop the machine. Keestrack’s radio remote platform is a fully functional remote that allows operators to control the machine from the comfort and safety of the cab.

The remote enables tracking, start and stop, machine-specific adjustments like Gap adjustments on a Jaw and Apron settings on an Impact Crusher. It also includes an emergency stop switch, making it a safety extension of the equipment.

The remote has 2-way communication with Keestrack’s machinery which displays the current configuration and readout on the remote’s LCD display, making it an extra productivity extension of the machine.

The Keestrack wireless remote is USB rechargeable like a regular mobile device and is securely connected and configured with the machine. The remote consists of a weather-sealed polycarbonate hardshell and includes a rubberised grip for impact protection.

**Available in two stages:**
- **Stage I** - 8 Function remote with basic controls
- **Stage II** - 10 Function remote with advanced controls

**KEESTRACK-ER TELEMATICS SYSTEM**

The Keestrack-er Remote Telematics System is an advanced monitoring system built from the ground up for Keestrack’s machinery.

From anywhere in the world with an internet connection machinery can be monitored and diagnosed for optimum productivity and peace of mind.

Key components of the system are a cellular modem with a mobile data connection that’s connected to the PLC unit on the machine. The Cellular unit stores and transmits the data fed from the PLC unit to the Keestrack-er remote server, from which the service agent and machine owner can access the machine metrics.

Even without a current internet connection, the machine will upload it’s stored data when back in signal range.

The Keestrack-er unit offers some distinct advantages to machine owners and managers. It allows them to see where the equipment is positioned on a site remotely and how productive the machine has been.

Metrics like fuel usage, engine load, crushing/screening settings and conveyor configurations, means the manager, regardless of location, can see real-time data and spot potential issues before they’re a problem.

In addition to the immediate benefits to the operation, it also means Equip2 can help remotely diagnose and solve issues immediately, without the operator having to wait for a technician visit. Equip2 can also help machinery operators get the most production out of their equipment. By being able to see in real-time previous production data and settings, Equip2 technicians can then make recommendations to boost output with parameters that further tune the machine, often with significant results.
“We’re only a small quarry, just a two-man operation at present, we make a range of products from 20mm through to 100mm rock out of greywacke.

We have had a jaw crusher and a cone crusher – two-foot cone crusher. And we have now gone to the R3 to improve productivity, being mobile we can take the crusher to the metal now, we’ve been carting metal to the crusher for years, so the economics are a lot better.

Just ease of use all around (of the machine), easy screen change – mat changes for them, easy to adjust the crusher, blow bars easy to change”.

KEESTRACK R3 IMPACT CRUSHER

MIKE JOHNSON
OHAU QUARRIES
KEESTRACK R5
IMPACT CRUSHER,
K4 SCALPING SCREEN,
C6 SCREEN AND
PORTAFILL 3000ST,
DW80 and 5000CT

WADE SAUNDERS
BYFORDS CONSTRUCTION
2014 LTD

“Why we went to Keestrack and Equip2 was that I did a bit of research, well quite a bit actually… and, with various other products and I found that Keestrack for us was better suited because they’re able to listen to what we wanted and then came up with a plan that suited our needs which a lot of other people wouldn’t do that. With Equip2’s help and Keestrack we made this possible.

The technical support is a very state of the art like we’ve got Jeff from Equip2, he’s very knowledgeable with the computer side of things and how everything runs.”
KEESTRACK POWER SYSTEMS

All of Keestrack’s machinery feature latest innovations in Power Units, Drive Systems, Hydraulic Pumps and options for Direct Drive Electric machines. Foremost, in their innovative pursuit of reduced cost and increased uptime for businesses is their Load Sensing Pump and E Series Technology.

LOAD SENSING PUMPS

Unique to Keestrack is their use of Load Sensing Pumps in all Diesel powered Machines. Piston and restrictor pumps used in other machines produce a set amount of power which the pump then restricts the flow of to components based on the settings, therefore wasting precious power through heat and other inefficiencies. Load Sensing Pumps produce and send power to components based on the load required to meet the set parameters, meaning hydraulic pressure is made to meet demand. Load Sensing Pumps save up to 25% compared to others, are just as reliable and save on wear costs to components.

KEESTRACK ELECTRIC

They are leading the field in Hybrid and Electric mobile machinery. Highly flexible in their deployment, the E-Series of equipment features Hybrid Diesel power units and electric motors to reduce resource consumption.

Utilising E-Motors instead of hydraulic ones these machines have more power for less consumption in addition to less wearable parts.

They can be set up to use the onboard Genset with an additional saving of 50% in fuel usage compared to traditional diesel-powered machines of the same size.

When set up to run from the Grid, the E-Series of machines use up to 70% less power than their equivalent diesel-powered machines as well as dramatically reduced carbon and noise emissions.

*KEY

Where you see a Keestrack machine with ‘e-version available’ this means the machine can come as an E series Diesel/Electric hybrid machine.

Keestrack Fuel Savings

Standard Diesel/ Hydraulic system

By using Load Sensing Pumps, Keestrack Machines use up to 25% less fuel than traditional piston pumps on other machines. Also it enables features like simultaneous tracking and screening and on the fly machine adjustments.

E series Diesel/Electric hybrid system

Using Keestrack’s proven Diesel/ Electric Hybrid machines, operations can utilise the onboard Genset to power the E-Motors across the machine. Saving up to 50% on fuel costs compared to traditional Diesel systems.

E series Diesel/Electric machine plugged into the grid

Plug into the Grid to power an E-Series machine and save up to 70% on fuel costs. Using a E-Motors, there is no Hydraulic pump to power resulting in 95% power efficiency and drastically reduced carbon emissions.
A mobile classifier screen with large interchangeable decks, capable of producing a 4-way split up to 300 tonnes per hour. Built with load sensing pumps for low fuel consumption and emissions, the C4 produces more profitable products while using fewer resources.

**KEESTRACK C4**

### Key Benefits

- **Smart Design**
  The C4 is innovatively designed and balanced; therefore, it does not require support legs, and it’s easy to transport.

- **Excellent Screen Access**
  Make what would generally be a tedious job an easy one with superior access to the meshes for fast turn around.

- **User-Friendly PLC Unit**
  The large screen PLC makes it easy to control, monitor and tune the screen for maximum production.

- **Hydraulic Tipping Grid**
  The hydraulic tipping grid allows easy loading from excavators and loaders of various sizes.

- **Steel Hydraulic Lines**
  Steel lines offer better heat dissipation, reduced risk of hose burst and easier repairability.

- **Triple Deck Screen**
  The C4 is equipped with three large decks to produce up to four different splits.
**Applications**

Proven across New Zealand and the world in various applications including but not limited to:

- Top soil
- Compost/barks
- Aggregates
- Limestone
- Asphalt Recycling

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**OVERVIEW**

<table>
<thead>
<tr>
<th>Deck Area</th>
<th>Weight</th>
<th>Hopper</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.4 m²</td>
<td>28,000 kg</td>
<td>8.1 m³</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

**POWER UNIT**

- Engine: Deutz TCD 2.9 L4, Tier 3 - 55.4 kW at 1,800 rpm

**FEED HOPPER**

- Capacity: 8.1 m³
- Feeding Height: 3,060 - 3,520 mm
- Feeding Width: 2,350 mm
- Feeding Length: 4,500 mm
- Tipping Grid Angle: Hydraulically Adjustable

**BELT FEEDER**

- Width: 1,200 mm

**SCREEN BOX**

- Decks: Triple Deck - 4-way split
- Length: 3,600 mm
- Width: 1,500 mm

**FINES CONVEYOR (UNDER SCREEN)**

- Width: 1,200 mm
- Stacking Height: 4,050 mm

**FINES MIDDLE FRACTION CONVEYOR (LEFT)**

- Width: 650 mm
- Stacking Height: 4,240 mm

**COARSE MIDDLE FRACTION (RIGHT)**

- Width: 650 mm
- Stacking Height: 4,240 mm

**COARSE CONVEYOR (LEFT)**

- Width: 650 mm
- Stacking Height: 3,740 mm

**MAIN CONVEYOR**

- Width: 1,200 mm

**OPERATING DIMENSIONS**

- Operating Width: 14,400 mm
- Operating Length: 15,850 mm
- Operating Height: 4,240 mm

**TRANSPORT DIMENSIONS**

- Transport Width: 2,800 mm
- Transport Length: 13,700 mm
- Transport Height: 3,325 mm
CLASSIFIER SCREEN

KEESTRACK C6

The biggest of the Classifier screens in the Keestrack range, the C6 is made for high production. Available in a three-deck screen configuration capable of making a three-way or four-way split of products alone. Add in the ability to make this a mobile wash plant with bolt-on parts and you’ve got a sophisticated setup of high-quality production.

Key Benefits

- **Fast Screen Change**
  Easily change meshes with simple removal and tensioning.

- **Tipping Grid**
  Grizzly bars are free-hanging for easy dislodging of material and direct feeding of sized material.

- **Hydraulically Adjustable**
  Hydraulically adjust components on the C6 to easily tune the screen for better production.

- **Steel Hydraulic Lines**
  Steel Lines offer better heat dissipation, reduced risk of hose burst and easier repairability.

- **Big Decks**
  Each deck is equal in size and has a surface area of 8.1m² each.

- **User-Friendly PLC Unit**
  The large screen PLC makes it easy to control, monitor and tune the screen for maximum production.
**Applications**

Proven across New Zealand and the world in various applications including but not limited to:
- Top soil
- Compost/barks
- Aggregates
- Limestone
- Asphalt Recycling

**OVERVIEW**

<table>
<thead>
<tr>
<th>Deck Area</th>
<th>Weight</th>
<th>Hopper</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.1 m³</td>
<td>31,000 kg</td>
<td>8.1 m³</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- **Operating Weight**: 31,000 Kg
- **Power Unit**
  - **Engine**: Caterpillar C4.4 TA - 85 kW at 1,500 rpm
- **Feed Hopper**
  - **Capacity**: 8.1 m³
  - **Feeding Height**: 3,060 - 3,520 mm
  - **Feeding Width**: 2,350 mm
  - **Feeding Length**: 4,500 mm
  - **Tipping Grid Angle**: Hydraulically Adjustable
- **Belt Feeder**
  - **Width**: 1,200 mm
- **Screen Box**
  - **Decks**: Triple Deck - 4 way split
  - **Length**: 4,500 mm
  - **Width**: 1,800 mm
- **Fines Conveyor (Under Screen)**
  - **Width**: 1,200 mm
  - **Stacking Height**: 3,700 mm
- **Fines Middle Fraction Conveyor (Left)**
  - **Width**: 800 mm
  - **Stacking Height**: 4,680 mm
- **Coarse Middle Fraction Conveyor (Right)**
  - **Width**: 800 mm
  - **Stacking Height**: 4,350 mm
- **Coarse Conveyor (Left)**
  - **Width**: 650 mm
  - **Stacking Height**: 4,000 mm
- **Main Conveyor**
  - **Width**: 1,200 mm
- **Operating Dimensions**
  - **Operating Width**: 17,800 mm
  - **Operating Length**: 15,700 mm
  - **Operating Height**: 4,680 mm
- **Transport Dimensions**
  - **Transport Width**: 3,000 mm
  - **Transport Length**: 14,300 mm
  - **Transport Height**: 3,300 mm
The Keestrack K3 is robust, compact and highly mobile. Designed for the mobile operator or contractor, this screen will sort through rock that defies its small dimensions. The K3 features everything needed for precision screening; like two large screening decks, mid fraction and fines output conveyors, intelligent controls and PLC.

**Key Benefits**

- **Aggressive Screen Action**
  A high eccentric throw gives the screen an aggressive screening action to effectively separate materials.

- **Steel Hydraulic Lines**
  Steel Lines offer better heat dissipation, reduced risk of hose burst and easier repairability.

- **Safety**
  There are five stop switches located around the machine, including one on the remote.

- **Remote Control**
  Start, stop, track and adjust screening parameters with the wireless remote.

- **Hopper**
  Split back-wall allowing for two different feeding heights.
**SPECIFICATIONS**

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<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>Operating Weight</strong></td>
<td>17,000Kg</td>
</tr>
<tr>
<td><strong>POWER UNIT</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Engine</strong></td>
<td>Deutz TD 2011 L04 - 54 kW at 2,200 rpm</td>
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<tr>
<td><strong>FEED HOPPER</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Capacity</strong></td>
<td>3.5m³</td>
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<tr>
<td><strong>Feeding Height</strong></td>
<td>2,410mm</td>
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<tr>
<td><strong>Feeding Width</strong></td>
<td>2,820mm</td>
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<tr>
<td><strong>Feeding Length</strong></td>
<td>3,380mm</td>
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<tr>
<td><strong>BELT FEEDER</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>1,000mm</td>
</tr>
<tr>
<td><strong>SCREEN BOX</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Decks</strong></td>
<td>Double deck - 3 way spit</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>2,700mm</td>
</tr>
<tr>
<td><strong>Length</strong></td>
<td>1,200mm</td>
</tr>
<tr>
<td><strong>OVERSIZE CONVEYOR (FRONT)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>1,000mm</td>
</tr>
<tr>
<td><strong>Stacking Height</strong></td>
<td>3,200mm</td>
</tr>
<tr>
<td><strong>MIDDLE FRACTION CONVEYOR (RIGHT)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>650mm</td>
</tr>
<tr>
<td><strong>Stacking Height</strong></td>
<td>3,400mm</td>
</tr>
<tr>
<td><strong>FINES CONVEYOR (LEFT)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>650mm</td>
</tr>
<tr>
<td><strong>Stacking Height</strong></td>
<td>3,280mm</td>
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<tr>
<td><strong>OPERATING DIMENSIONS</strong></td>
<td></td>
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<tr>
<td><strong>Operating Width</strong></td>
<td>13,330mm</td>
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<tr>
<td><strong>Operating Length</strong></td>
<td>11,968mm</td>
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<tr>
<td><strong>Operating Height</strong></td>
<td>3,400mm</td>
</tr>
<tr>
<td><strong>TRANSPORT DIMENSIONS</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Transport Width</strong></td>
<td>2,550mm</td>
</tr>
<tr>
<td><strong>Transport Length</strong></td>
<td>9,800mm</td>
</tr>
<tr>
<td><strong>Transport Height</strong></td>
<td>3,120mm</td>
</tr>
</tbody>
</table>

**OVERVIEW**

- **Deck Area**: 3.2 m²
- **Weight**: 17,000 kg
- **Hopper**: 3.5 m³

**Applications**

Proven across New Zealand and the world in various applications including but not limited to:

- Top soil
- Compost/barks
- Aggregates
- Limestone
- Demolition material
- Asphalt

**Operation Mode**

**Transport Mode**
The K4 scalping screen is part of Keestracks legendary direct feed scalping screen lineup. Featuring a compact weight and dimensions, it makes the preferred choice for transportability. The K4 exceeds in all areas like production, usability, compactness, fuel consumption and versatility. Thanks to a heavy-duty high-grade steel frame and over-engineered components the K4 can take on the harshest of rock.

Key Benefits

Large Screen Box
The large screen box allows for high production screening regardless of input feed.

Steel Plate Apron Feeder
Comes with a Steel Plate Apron Feeder as standard for heavy-duty work and increased lifespan.

Hopper
Split back-wall allowing for three different feeding heights.

Steel Hydraulic Lines
Steel Lines offer better heat dissipation, reduced risk of hose burst and easier repairability.

Hydraulically Adjustable
Hydraulically adjust components on the K4 to easily tune the screen for better production.

Remote Control
Start, stop, track and adjust screening parameters with the wireless remote.
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Operating Weight</td>
<td>26,500Kg</td>
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<tr>
<td><strong>POWER UNIT</strong></td>
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<tr>
<td>Engine</td>
<td>Caterpillar C4.4 TA - 85 kW at 1,500 rpm</td>
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<tr>
<td><strong>FEED HOPPER</strong></td>
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<tr>
<td>Capacity</td>
<td>7m³</td>
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<tr>
<td>Feeding Height</td>
<td>2,580mm</td>
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<tr>
<td>Feeding Width</td>
<td>2,975mm</td>
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<tr>
<td>Feeding Length</td>
<td>4,200mm</td>
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<tr>
<td><strong>PLATE APRON FEEDER</strong></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>1,120mm</td>
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<tr>
<td><strong>SCREEN BOX</strong></td>
<td></td>
</tr>
<tr>
<td>Decks</td>
<td>Double Deck - 3 way split</td>
</tr>
<tr>
<td>Length</td>
<td>4,200mm</td>
</tr>
<tr>
<td>Width</td>
<td>1,500mm</td>
</tr>
<tr>
<td><strong>OVERSIZE CONVEYOR (FRONT)</strong></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>1,200mm</td>
</tr>
<tr>
<td>Stacking Height</td>
<td>3,100mm</td>
</tr>
<tr>
<td><strong>MIDDLE FRACTION CONVEYOR (RIGHT)</strong></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>800mm</td>
</tr>
<tr>
<td>Stacking Height</td>
<td>3,790mm</td>
</tr>
<tr>
<td><strong>FINES CONVEYOR (LEFT)</strong></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>900mm</td>
</tr>
<tr>
<td>Stacking Height</td>
<td>4,380mm</td>
</tr>
<tr>
<td><strong>OPERATING DIMENSIONS</strong></td>
<td></td>
</tr>
<tr>
<td>Operating Width</td>
<td>14,010mm</td>
</tr>
<tr>
<td>Operating Length</td>
<td>13,182mm</td>
</tr>
<tr>
<td>Operating Height</td>
<td>4,380mm</td>
</tr>
<tr>
<td><strong>TRANSPORT DIMENSIONS</strong></td>
<td></td>
</tr>
<tr>
<td>Transport Width</td>
<td>2,550mm</td>
</tr>
<tr>
<td>Transport Length</td>
<td>10,681mm</td>
</tr>
<tr>
<td>Transport Height</td>
<td>3,130mm</td>
</tr>
</tbody>
</table>

### OVERVIEW

- **Deck Area**: 6.3 m²
- **Weight**: 26,500 kg
- **Hopper**: 7 m³

**Applications**

Proven across New Zealand and the world in various applications including but not limited to:

- Top soil
- Compost/barks
- Aggregates
- Limestone
- Demolition material
- Asphalt recycling

**Operation Mode**

**Transport Mode**

www.equip2.co.nz
SCALPING SCREEN

KEESTRACK K5

The K5 scalping screen is built off the same platform as the Keestrack K4 but with an extended screen box for a higher production potential while maintaining a transportable profile. The K5 is constructed using high-grade steels and available with a slew of options to suit the needs of various operations.

Key Benefits

**Steel Plate Apron Feeder**
Comes with a Steel Plate Apron Feeder as standard for heavy-duty work and increased lifespan.

**Large Screen Box**
The large screen box allows for high production screening regardless of input feed.

**Remote Control**
Start, stop, track and adjust screening parameters with the wireless remote.

**Steel Hydraulic Lines**
Steel Lines offer better heat dissipation, reduced risk of hose burst and easier repairability.

**Hydraulically Adjustable**
Hydraulically adjust components on the K5 to easily tune the screen for better production.
**Applications**

Proven across New Zealand and the world in various applications including but not limited to:
- Top soil
- Compost/barks
- Aggregates
- Limestone
- Demolition material

**OVERVIEW**

<table>
<thead>
<tr>
<th>Deck Area</th>
<th>Weight</th>
<th>Hopper</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.5 m²</td>
<td>28,500 kg</td>
<td>7 m³</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- **Operating Weight**: 28,500Kg
- **Engine**
  - Caterpillar C4.4 TA - 85 kW at 1,500 rpm
- **FEED HOPPER**
  - Capacity: 7m³
  - Feeding Height: 2,645mm
  - Feeding Width: 2,975mm
  - Feeding Length: 4,200mm
- **PLATE APRON FEEDER**
  - Width: 1,120mm
- **SCREEN BOX**
  - Decks: Double Deck - 3 way split
  - Length: 5,000mm
  - Width: 1,500mm
- **OVERSIZE CONVEYOR (FRONT)**
  - Width: 1,200mm
  - Stacking Height: 3,100mm
- **MIDDLE FRACTION CONVEYOR (RIGHT)**
  - Width: 800mm
  - Stacking Height: 3,790mm
- **FINES CONVEYOR (LEFT)**
  - Width: 900mm
  - Stacking Height: 4,380mm
- **OPERATING DIMENSIONS**
  - Operating Width: 14,010mm
  - Operating Length: 14,450mm
  - Operating Height: 4,380mm
- **TRANSPORT DIMENSIONS**
  - Transport Width: 2,550mm
  - Transport Length: 11,296mm
  - Transport Height: 3,330mm
Remote Control
Start, stop, track and adjust screening parameters with the wireless remote.

SCALPING SCREEN

KEESTRACK K6

They are Built for the absolute best performance that can be achieved while maintaining mobile characteristics. Keestracks K6 Scalping screening is constructed to handle hard abrasive rock and high throughput.

Introduced by Keestrack back in 1996 as part of their first to market direct feed mobile scalping screens the K6 is the most mature mobile scalping screen on the market with years of R & D in it. Every part is designed and manufactured by Keestrack for a machine of the highest quality.

Key Benefits

**Steel Plate Apron Feeder**
Comes with a Steel Plate Apron Feeder as standard for heavy-duty work and increased lifespan.

**Hopper**
Split back-wall allowing for three different feeding heights.

**Fast Screen Change**
Easily change meshes and punch plates with simple removal and tensioning.

**Large Screen Box**
The large screen box allows for high production screening regardless of input feed.

**Steel Hydraulic Lines**
Steel Lines offer better heat dissipation, reduced risk of hose burst and easier repairability.

**Remote Control**
Start, stop, track and adjust screening parameters with the wireless remote.
**Applications**

Proven across New Zealand and the world in various applications including but not limited to:

- Top soil
- Compost/barks
- Aggregates
- Limestone
- Demolition material
- Asphalt

**OVERVIEW**

<table>
<thead>
<tr>
<th>Deck Area</th>
<th>Weight</th>
<th>Hopper</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.1 m²</td>
<td>30,000 kg</td>
<td>8 m³</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Weight</td>
<td>30,000Kg</td>
</tr>
<tr>
<td><strong>POWER UNIT</strong></td>
<td></td>
</tr>
<tr>
<td>Engine</td>
<td>Deutz 3.6 L4 - 90 kW at 2,000 rpm</td>
</tr>
<tr>
<td><strong>FEED HOPPER</strong></td>
<td></td>
</tr>
<tr>
<td>Capacity</td>
<td>8m³</td>
</tr>
<tr>
<td>Feeding Height</td>
<td>2,420mm</td>
</tr>
<tr>
<td>Feeding Width</td>
<td>3,100mm</td>
</tr>
<tr>
<td>Feeding Length</td>
<td>4,400mm</td>
</tr>
<tr>
<td><strong>PLATE APRON FEEDER</strong></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>1,300mm</td>
</tr>
<tr>
<td><strong>SCREEN BOX</strong></td>
<td></td>
</tr>
<tr>
<td>Decks</td>
<td>Double Deck - 3 way split</td>
</tr>
<tr>
<td>Length</td>
<td>4,500mm</td>
</tr>
<tr>
<td>Width</td>
<td>1,800mm</td>
</tr>
<tr>
<td><strong>OVERSIZE CONVEYOR (FRONT)</strong></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>1,500mm</td>
</tr>
<tr>
<td>Stacking Height</td>
<td>3,400mm</td>
</tr>
<tr>
<td><strong>MIDDLE FRACTION CONVEYOR (RIGHT)</strong></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>800mm</td>
</tr>
<tr>
<td>Stacking Height</td>
<td>3,750mm</td>
</tr>
<tr>
<td><strong>FINES CONVEYOR (LEFT)</strong></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>1,000mm</td>
</tr>
<tr>
<td>Stacking Height</td>
<td>3,700mm</td>
</tr>
<tr>
<td><strong>OPERATING DIMENSIONS</strong></td>
<td></td>
</tr>
<tr>
<td>Operating Width</td>
<td>14,400mm</td>
</tr>
<tr>
<td>Operating Length</td>
<td>15,400mm</td>
</tr>
<tr>
<td>Operating Height</td>
<td>3,750mm</td>
</tr>
<tr>
<td><strong>TRANSPORT DIMENSIONS</strong></td>
<td></td>
</tr>
<tr>
<td>Transport Width</td>
<td>2,720mm</td>
</tr>
<tr>
<td>Transport Length</td>
<td>13,360mm</td>
</tr>
<tr>
<td>Transport Height</td>
<td>3,180mm</td>
</tr>
</tbody>
</table>
Keestrack’s second-largest mobile scalping screen the K7 is made for serious screening operations looking for the highest productivity from a single machine. The K7 features extra high stacking conveyors and a huge feed hopper to have the operation running at peak efficiency. Built with a heavy-duty screen box to handle the most abrasive rock through to concrete the K7 can outperform in any situation.

**Key Benefits**

- **Steel Plate Apron Feeder**
  Comes with a Steel Plate Apron Feeder as standard for heavy-duty work and increased lifespan.

- **Fast Screen Change**
  Easily change meshes and punch plates with simple removal and tensioning.

- **Robust Track Frame**
  Integrating the tracks onto the frame reduces stress points and weight.

- **Large Screen Box**
  The large screen box allows for high production screening regardless of input feed.

- **Steel Hydraulic Lines**
  Steel Lines offer better heat dissipation, reduced risk of hose burst and easier repairability.

- **Remote Control**
  Start, stop, track and adjust screening parameters with the wireless remote.
Applications

Proven across New Zealand and the world in various applications including but not limited to:

- Top soil
- Compost/barks
- Aggregates
- Limestone
- Demolition material
- Asphalt

OVERVIEW

| Deck Area | Weight | Hopper | Spec
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8.6 m²</td>
<td>32,000 kg</td>
<td>8 m³</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

Operating Weight 32,000Kg

POWER UNIT

Engine CAT C4.4 - 98 kW at 1,800 rpm

FEED HOPPER

Capacity 8m³
Feeding Height 2,620mm
Feeding Width 3,100mm
Feeding Length 4,400mm

PLATE APRON FEEDER

Width 1,300mm

SCREEN BOX

Decks Double Deck - 3 way split
Length 4,800mm
Width 1,800mm

OVERSIZE CONVEYOR (FRONT)

Width 1,500mm
Stacking Height 3,400mm

MIDDLE FRACTION CONVEYOR (RIGHT)

Width 1,000mm
Stacking Height 3,750mm

FINES CONVEYOR (LEFT)

Width 1,000mm
Stacking Height 3,700mm

OPERATING DIMENSIONS

Operating Width 14,400mm
Operating Length 15,400mm
Operating Height 3,750mm

TRANSPORT DIMENSIONS

Transport Width 2,720mm
Transport Length 13,360mm
Transport Height 3,380mm
SCALPING SCREEN

KEESTRACK K8e

The largest direct feed screens in the Keestrack lineup the K8e is built with a difference. Fitted with a massive 12m² double deck screen, this machine is built specifically for ‘difficult to screen’ bulk materials. With the option of changing the standard screen box out for a vibrating flip flow screen, this machine can be a massive producer of fine and damp material.

Key Benefits

**Steel Plate Apron Feeder**
Comes with a Steel Plate Apron Feeder as standard for heavy-duty work and increased lifespan.

**Hopper**
Split back-wall for 3 different feeding heights.

**Remote Control**
Start, stop, track and adjust screening parameters with the wireless remote.

**Large Screen Box**
The large screen box allows for high production screening regardless of input feed.

**Steel Hydraulic Lines**
Steel Lines offer better heat dissipation, reduced risk of hose burst and easier repairability.
## Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td><strong>Operating Weight</strong></td>
<td>44,500Kg</td>
</tr>
<tr>
<td><strong>Power Unit</strong></td>
<td></td>
</tr>
<tr>
<td>Engine</td>
<td>Volvo TAD 552 VE - 160 kW at 1,800 rpm</td>
</tr>
<tr>
<td><strong>Feed Hopper</strong></td>
<td></td>
</tr>
<tr>
<td>Capacity</td>
<td>10m³</td>
</tr>
<tr>
<td>Feeding Height</td>
<td>3,500mm</td>
</tr>
<tr>
<td>Feeding Width</td>
<td>3,400mm</td>
</tr>
<tr>
<td>Feeding Length</td>
<td>4,400mm</td>
</tr>
<tr>
<td><strong>Plate Apron Feeder</strong></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>1,600mm</td>
</tr>
<tr>
<td><strong>Screen Box</strong></td>
<td></td>
</tr>
<tr>
<td>Decks</td>
<td>Double Deck - 3 way split</td>
</tr>
<tr>
<td>Length</td>
<td>6,000mm</td>
</tr>
<tr>
<td>Width</td>
<td>2,000mm</td>
</tr>
<tr>
<td><strong>Oversize Conveyor (Front)</strong></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>1,500mm</td>
</tr>
<tr>
<td>Stacking Height</td>
<td>4,109mm</td>
</tr>
<tr>
<td><strong>Middle Fraction Conveyor (Right)</strong></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>1,000mm</td>
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<tr>
<td>Stacking Height</td>
<td>3,450mm</td>
</tr>
<tr>
<td><strong>Fines Conveyor (Left)</strong></td>
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</tr>
<tr>
<td>Width</td>
<td>1,000mm</td>
</tr>
<tr>
<td>Stacking Height</td>
<td>4,096mm</td>
</tr>
<tr>
<td><strong>Operating Dimensions</strong></td>
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</tr>
<tr>
<td>Operating Width</td>
<td>14,800mm</td>
</tr>
<tr>
<td>Operating Length</td>
<td>17,400mm</td>
</tr>
<tr>
<td>Operating Height</td>
<td>4,370mm</td>
</tr>
<tr>
<td><strong>Transport Dimensions</strong></td>
<td></td>
</tr>
<tr>
<td>Transport Width</td>
<td>2,900mm</td>
</tr>
<tr>
<td>Transport Length</td>
<td>16,200mm</td>
</tr>
<tr>
<td>Transport Height</td>
<td>3,625mm</td>
</tr>
</tbody>
</table>

## Applications

Proven across New Zealand and the world in various applications including but not limited to:
- Top soil
- Compost/barks
- Aggregates
- Limestone
Boasting the largest Jaw opening in its size range the B3 is an ideal Primary Crusher for operations looking to maximise their productivity potential. The B3 features many of Keestrack innovations in the Jaw crushing range like the NSS jaw crushing system, automatic wear recovery and a large eccentric throw.

**Key Benefits**

**Remote Control**
Start, stop, track and adjust crushing parameters with the wireless remote.

**Steel Hydraulic Lines**
Steel Lines offer better heat dissipation, reduced risk of hose burst and easier repairability.

**NSS Jaw Protection System**
Hydraulic and Electronic systems prevent jaw damage and overload while increasing productivity.

**Reversible Jaw Drive**
Reverse the Jaw drive action to fluff up material like asphalt or in the case of oversize or sticky material unblock it.

**Low Fuel Consumption**
With a low emission norms engine and a highly optimised drive system, the B3 has the lowest fuel usage in its segment.

**Large Hydraulic Magnetic Belt**
Hydraulically lift or lower for maximum steel extraction and easy removal of blockages.
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Weight</td>
<td>30,640 kg</td>
</tr>
<tr>
<td><strong>POWER UNIT</strong></td>
<td></td>
</tr>
<tr>
<td>Engine</td>
<td>John Deere 6.8 HF G82 - 139 kW at 1,500 rpm</td>
</tr>
<tr>
<td><strong>VIBRATING FEED HOPPER</strong></td>
<td></td>
</tr>
<tr>
<td>Capacity</td>
<td>4 m³</td>
</tr>
<tr>
<td>Feeding Height</td>
<td>3,700 mm</td>
</tr>
<tr>
<td>Feeding Width</td>
<td>2,300 mm</td>
</tr>
<tr>
<td>Feeding Length</td>
<td>4,100 mm</td>
</tr>
<tr>
<td><strong>PRE-SCREEN</strong></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>920 mm</td>
</tr>
<tr>
<td>Length</td>
<td>1,730 mm</td>
</tr>
<tr>
<td><strong>PRE-SCREEN CONVEYOR</strong></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>500 mm</td>
</tr>
<tr>
<td>Stacking Height</td>
<td>2,595 mm</td>
</tr>
<tr>
<td><strong>JAW CRUSHER</strong></td>
<td></td>
</tr>
<tr>
<td>Opening size</td>
<td>1,000 mm x 650 mm</td>
</tr>
<tr>
<td>Outlet Adjustment (C.S.S.)</td>
<td>45 mm - 160 mm</td>
</tr>
<tr>
<td>Feed Size</td>
<td>0-550 mm</td>
</tr>
<tr>
<td>Swing Crusher</td>
<td>Hydraulic and Electronic Management with NSS</td>
</tr>
<tr>
<td><strong>MAIN CONVEYOR</strong></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>800 mm</td>
</tr>
<tr>
<td>Stacking Height</td>
<td>3,100 mm</td>
</tr>
<tr>
<td><strong>MAIN CONVEYOR (option 2)</strong></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>1,000 mm</td>
</tr>
<tr>
<td>Stacking Height</td>
<td>3,736 mm</td>
</tr>
<tr>
<td><strong>OPERATING DIMENSIONS</strong></td>
<td></td>
</tr>
<tr>
<td>Operating Width</td>
<td>5,525 mm (with pre-screen conveyor)</td>
</tr>
<tr>
<td>Operating Length</td>
<td>12,300 mm</td>
</tr>
<tr>
<td>Operating Height</td>
<td>3,700 mm</td>
</tr>
<tr>
<td><strong>TRANSPORT DIMENSIONS</strong></td>
<td></td>
</tr>
<tr>
<td>Transport Width</td>
<td>2,540 mm</td>
</tr>
<tr>
<td>Transport Length</td>
<td>12,435 mm</td>
</tr>
<tr>
<td>Transport Height</td>
<td>3,100 mm</td>
</tr>
</tbody>
</table>

### OVERVIEW

- **Capacity**: 250 tph
- **Weight**: 30,640 kg
- **Hopper**: 4 m³

### Applications

- Aggregates
- Limestone
- Concrete Recycling
- Gravel
- Coal

Proven across New Zealand and the world in various applications including but not limited to:

- Aggregates
- Limestone
- Concrete Recycling
- Gravel
- Coal
High efficiency and high-quality product output sets the B4 apart as an ideally suited front line Jaw Crusher, capable of producing more crushed faces for the best sale price and featuring technical innovations that bring running and maintenance costs down with the reduced risk of downtime.

**KEESTRACK B4**

**Key Benefits**

**NSS Jaw Protection System**
- Hydraulic and Electronic systems prevent jaw damage and overload while increasing productivity.

**Double Deck Pre-Screen**
- Remove unwanted fines before the jaw crushing compartment for better performance and decreased wear.

**Large Hydraulic Magnetic Belt**
- Hydraulically lift or lower for maximum steel extraction and easy removal of blockages.

**Sliding Hopper**
- Gain effortless access to the pre-screen decks and the rear of the Jaw crusher for maintenance and wear part replacement.

**Rigid Frame**
- The Domex high-tensile strength steel frame makes the B4 lighter and stronger than other models.

**User-Friendly PLC Unit**
- The large screen PLC makes it easy to control, monitor and tune the Jaw crusher for maximum production.
Applications

Proven across New Zealand and the world in various applications including but not limited to:

- Aggregates
- Limestone
- Concrete Recycling

OVERVIEW

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Weight</th>
<th>Hopper</th>
</tr>
</thead>
<tbody>
<tr>
<td>300 tph</td>
<td>46,000 kg</td>
<td>5 m³</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

**POWER UNIT**

- Engine: Volvo tad 754 Ge - 251 kW / 1,500 rpm

**VIBRATING FEED HOPPER**

- Capacity: 5 m³
- Feeding Height: 4,070 mm
- Feeding Width: 2,965 mm
- Feeding Length: 2,800 mm

**PRE-SCREEN**

- Decks: Double Deck
- Width: 1,000 mm
- Length: 2,300 mm

**PRE-SCREEN CONVEYOR**

- Width: 800 mm
- Stacking Height: 2,955 mm

**JAW CRUSHER**

- Opening size: 1,100 mm x 700 mm
- Outlet Adjustment (C.S.S.): 45 mm - 160 mm
- Feed Size: 0-600 mm
- Swing Crusher: Hydraulic and Electronic Management with N.S.S.

**MAIN CONVEYOR**

- Width: 1,000 mm
- Stacking Height: 3,800 mm

**OPERATING DIMENSIONS**

- Operating Width: 5,900 mm (with pre-screen conveyor)
- Operating Length: 15,590 mm
- Operating Height: 4,070 mm

**TRANSPORT DIMENSIONS**

- Transport Width: 2,700 mm
- Transport Length: 14,500 mm
- Transport Height: 3,290 mm
Powerful primary crushing for large and tough rock using technological innovations to produce a lower cost per tonne. Keestrack B6e Jaw Crusher features the ability to crush rock up to 700mm and combines a double deck pre-screen to size material before it enters the crushing chamber, resulting in less wear and cost to the operation to get the very best end product.

**KEESTRACK B6e**

**Key Benefits**

**Double Deck Pre-Screen**
Remove unwanted fines before the jaw crushing compartment for better performance and decreased wear.

**Steel Hydraulic Lines**
Steel Lines offer better heat dissipation, reduced risk of hose burst and easier repairability.

**Large Hydraulic Magnetic Belt**
Hydraulically lift or lower for maximum steel extraction and easy removal of blockages.

**Maintenance Access**
Simple access to the engine bay, wear and serviceable parts make maintenance quicker and easier.

**User Friendly PLC Unit**
The large screen PLC makes it easy to control, monitor and tune the Jaw crusher for maximum production.

**NSS Jaw Protection System**
Hydraulic and Electronic systems prevent jaw damage and overload while increasing productivity.
SPECIFICATIONS

Operating Weight 60,000 Kg

POWER UNIT

Engine Volvo TAD 1351 GE - 279 kW at 1,500 rpm

VIBRATING FEED HOPPER

Capacity 5m³
Feeding Height 4,180mm
Feeding Width 2,890mm
Feeding Length 4,810mm

PRE-SCREEN

Decks Double Deck
Width 1,000mm
Length 2,300mm

PRE-SCREEN CONVEYOR

Width 800mm
Stacking Height 3,100mm

JAW CRUSHER

Opening size 1,150mm x 800mm
Outlet Adjustment (C.S.S.) 55mm - 215mm
Feed Size 0 - 700mm
Swing Crusher Hydraulic and Electronic Management with N.S.S.

MAIN CONVEYOR

Width 1,200mm
Stacking Height 4,120mm

OPERATING DIMENSIONS

Operating Width 5,895mm (with pre-screen conveyor)
Operating Length 16,745mm
Operating Height 4,180mm

TRANSPORT DIMENSIONS

Transport Width 2,890mm
Transport Length 15,235mm
Transport Height 3,530mm

OVERVIEW

Capacity 380 tph
Weight 60,000 kg
Hopper 5 m³

APPLICATIONS

Proven across New Zealand and the world in various applications including but not limited to:
- Aggregates
- Limestone
- Concrete Recycling
Remote Control
Start, stop, track and adjust crushing parameters with the wireless remote.

The largest of the Keestrack Jaw Crusher range, this Hybrid Jaw Crusher boasts an impressive 1,200 x 800mm Jaw opening. With unrivalled production, the B7e can also form the core of a large scale quarry with its removable power unit to power the crushing and screening chain.

**KEESTRACK B7e**

The largest of the Keestrack Jaw Crusher range, this Hybrid Jaw Crusher boasts an impressive 1,200 x 800mm Jaw opening. With unrivalled production, the B7e can also form the core of a large scale quarry with its removable power unit to power the crushing and screening chain.

**Key Benefits**

**User Friendly PLC Unit**
The large screen PLC makes it easy to control, monitor and tune the Jaw crusher for maximum production.

**Sliding Hopper**
Gain effortless access to the pre-screen decks and the rear of the Jaw crusher for maintenance and wear part replacement.

**Reversible Jaw Drive**
Reverse the Jaw drive action to fluff up material like asphalt or in the case of oversize or sticky material unblock it.

**NSS Jaw Protection System**
Hydraulic and Electronic systems prevent jaw damage and overload while increasing productivity.

**Double Deck Pre-Screen**
Remove unwanted fines before the Jaw crushing compartment for better performance and decreased wear.

**Remote Control**
Start, stop, track and adjust crushing parameters with the wireless remote.
**SPECIFICATIONS**

**Operating Weight**
67,120Kg

**POWER UNIT**

**Engine**
Volvo TAD 1351 GE - 279 kW at 1,500 rpm

**VIBRATING FEED HOPPER**

Capacity
6m³
Feeding Height
4,375mm
Feeding Width
3,000mm
Feeding Length
3,350mm
Integrated Pre-Screen
2,200mm x 1,080mm

**PRE-SCREEN CONVEYOR**

Width
800mm
Stacking Height
3,100mm

**JAW CRUSHER**

Opening size
1,200mm x 800mm
Outlet Adjustment (C.S.S)
75mm - 250mm
Feed Size
0-700mm
Swing Crusher
Hydraulic via wedge

**MAIN CONVEYOR**

Width
1,200mm
Stacking Height
4,270mm

**OPERATING DIMENSIONS**

Operating Width
5,800mm (with pre-screen conveyor)
Operating Length
16,840mm
Operating Height
4,325mm

**TRANSPORT DIMENSIONS**

Transport Width
3,000mm
Transport Length
15,131mm
Transport Height
3,675mm

---

**Applications**

Proven across New Zealand and the world in various applications including but not limited to:
- Aggregates
- Limestone
- Concrete Recycling

---

**OVERVIEW**

Capacity
420 tph

Weight
67,120 kg

Hopper
6 m³

---

**PROVEN ACROSS NEW ZEALAND AND THE WORLD**

- Aggregates
- Limestone
- Concrete Recycling

---

**Operation Mode**

---

**Transport Mode**

---

**www.equip2.co.nz**
The Keestrack R3 Impact Crusher is one of our most popular crushers; being easily transportable, compact, highly productive and cost-effective. It features the largest rotor in its class, along with class defining features like an integrated pre-screen, load sensing hydraulics and closed-circuit after-screen. The R3 revolutionises any application for both contractors, small quarries and large multi-site applications due to its incredible versatility.

**Key Benefits**

**User Friendly PLC Unit**
The large screen PLC makes it easy to control, monitor and tune the Impact Crusher for maximum production.

**Optimum Blow Bar Placement**
Blow bars are placed in the optimum position to allow for high utilisation.

**Easy Maintenance**
Large doors to key parts like the engine, filters and rotor allows for easy access and maintenance.

**Steel Hydraulic Lines**
Steel Lines offer better heat dissipation, reduced risk of hose burst and easier repairability.

**Integrated Pre-screen**
The integrated vibrating pre-screen allows for fines to be removed and stockpiled.
## SPECIFICATIONS

### Operating Weight
- 30,200Kg

### POWER UNIT
- **Engine**
  - Volvo TAD 754 GE - 260 kW at 1,800 rpm

### VIBRATING FEED HOPPER
- **Capacity**
  - 3.5m³
- **Feeding Height**
  - 3,100mm
- **Feeding Width**
  - 2,400mm
- **Feeding Length**
  - 3,450mm
- **Integrated Pre-Screen**
  - 1,200mm x 920mm

### IMPACT CRUSHER
- **Inlet opening size**
  - 770mm x 960mm
- **Rotor Width**
  - 920mm
- **Rotor Diameter**
  - 1,100mm
- **Rotor Weight**
  - 3,200kg
- **Rotor Speed**
  - 603 - 710 RPM
- **Throughput Capacity**
  - Up to 250 tph

### POST SCREEN
- **Length**
  - 2,800mm
- **Width**
  - 1,200mm

### MAIN FINES CONVEYOR
- **Width**
  - 1,000mm
- **Stacking Height**
  - 3,220mm

### OPERATING DIMENSIONS
- **Operating Width**
  - 5,219mm (with side scalping conveyor)
- **Operating Length**
  - 14,218mm
- **Operating Height**
  - 3,126mm

### TRANSPORT DIMENSIONS
- **Transport Width**
  - 2,540mm
- **Transport Length**
  - 12,584mm
- **Transport Height**
  - 3,100mm

## OVERVIEW

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Weight</th>
<th>Hopper</th>
</tr>
</thead>
<tbody>
<tr>
<td>280 tph</td>
<td>30,200 kg</td>
<td>3.5 m³</td>
</tr>
</tbody>
</table>

### Applications

Proven across New Zealand and the world in various applications including but not limited to:

- Aggregates
- Concrete recycling
- Rubble
- Asphalt recycling
- Stone
- Roadbase

www.equip2.co.nz
IMPACT CRUSHER

KEESTRACK R3 - 49

The Keestrack R3 impact crusher with plug-in function and hybrid drive to save on energy costs with highest productivity in its weight class.

Key Benefits

User Friendly PLC Unit
The large screen PLC makes it easy to control, monitor and tune the Impact Crusher for maximum production.

Optimum Blow Bar Placement
Blow bars are placed in the optimum position to allow for high utilisation.

Easy Maintenance
Large doors to key parts like the engine, filters and rotor allow for easy access and maintenance.

Steel Hydraulic Lines
Steel Lines offer better heat dissipation, reduced risk of hose burst and easier repairability.

Integrated Pre-screen
The integrated vibrating pre-screen allows for fines to be removed and stockpiled.
Applications

Proven across New Zealand and the world in various applications including but not limited to:

- Aggregates
- Concrete recycling
- Rubble
- Asphalt recycling
- Stone
- Roadbase
- Coal and others

OVERVIEW

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Weight</th>
<th>Hopper</th>
</tr>
</thead>
<tbody>
<tr>
<td>300 tph</td>
<td>30,200 kg</td>
<td>3.5 m³</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

Operating Weight

30,200 Kg

POWER UNIT

Engine

Volvo TAD 754 GE - 260 kW at 1,800 rpm

VIBRATING FEED HOPPER

Capacity

3.5 m³

Feeding Height

3,200 mm

Feeding Width

2,400 mm

Feeding Length

3,450 mm

Integrated Pre-Screen

1,200 mm x 920 mm

IMPACT CRUSHER

Inlet opening size

770 mm x 960 mm

Rotor Width

920 mm

Rotor Diameter

1,100 mm

Rotor Weight

3,200 kg

Rotor Speed

591 - 709 RPM

Throughput Capacity

Up to 250 tph

POST SCREEN

Length

3,100 mm

Width

1,400 mm

MAIN FINES CONVEYOR

Width

1,000 mm

Stacking Height

3,126 mm

OPERATING DIMENSIONS

Operating Width

4,760 mm (with side scalping conveyor)

Operating Length

14,218 mm

Operating Height

2,715 mm

TRANSPORT DIMENSIONS

Transport Width

2,540 mm

Transport Length

12,900 mm

Transport Height

3,200 mm
Keestrack’s R5 Impact Crusher has extensive customisation options with an advanced design for the sole purpose of making it a high yield and easy to maintain machine. The R5 is a technologically advanced machine to improve productivity, reduce operational risk and downtime. The R5 is the perfect crusher to enhance an already well-performing operation and take it to the next level. With features like a tilting chassis, direct crusher drive, intelligent controls and long pre-screen it will become your star performer.

**Key Benefits**

- **Swivelling Oversize Conveyor**
  Swivel the oversize conveyor to either stockpile the oversize or recirculate through the impactor.

- **Double Deck After-Screen**
  Make up to three crushed end products or perfect your end product by recirculating oversize for the best end product quality.

- **Rigid Frame**
  The Domex high-tensile strength steel frame makes the R5 lighter and stronger than other models on the market.

- **Hydraulic Tilting Chassis**
  The R5 can tilt it’s chassis enabling easy transporter loading, levelling on uneven terrain and better screen performance.

- **Easy Maintenance**
  Large doors to key parts like the engine, filters and rotor allow for easy access and maintenance.

- **Integrated Pre-screen**
  The integrated vibrating pre-screen allows for fines to be removed and stockpiled.
Applications

Proven across New Zealand and the world in various applications including but not limited to:
- Aggregates
- Concrete recycling
- Rubble
- Asphalt recycling
- Stone
- Roadbase

OVERVIEW

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Weight</th>
<th>Hopper</th>
</tr>
</thead>
<tbody>
<tr>
<td>400 tph</td>
<td>50,170 kg</td>
<td>5 m³</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Operating Weight</th>
<th>50,170 Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>POWER UNIT</td>
<td></td>
</tr>
<tr>
<td>Engine</td>
<td>Volvo TAD 1354 GE - 328 kW at 1,500 rpm</td>
</tr>
<tr>
<td>VIBRATING FEED HOPPER</td>
<td></td>
</tr>
<tr>
<td>Capacity</td>
<td>5m³</td>
</tr>
<tr>
<td>Feeding Height</td>
<td>3,692 mm</td>
</tr>
<tr>
<td>Feeding Width</td>
<td>2,900 mm</td>
</tr>
<tr>
<td>Feeding Length</td>
<td>3,800 mm</td>
</tr>
<tr>
<td>PRE-SCREEN</td>
<td></td>
</tr>
<tr>
<td>Decks</td>
<td>Double Deck</td>
</tr>
<tr>
<td>Width</td>
<td>1,000 mm</td>
</tr>
<tr>
<td>Length</td>
<td>2,200 mm</td>
</tr>
<tr>
<td>IMPACT CRUSHER</td>
<td></td>
</tr>
<tr>
<td>Inlet opening size</td>
<td>800mm x 1,050mm</td>
</tr>
<tr>
<td>Rotor Width</td>
<td>1,000 mm</td>
</tr>
<tr>
<td>Rotor Diameter</td>
<td>1,260 mm</td>
</tr>
<tr>
<td>Rotor Weight</td>
<td>5,100kg</td>
</tr>
<tr>
<td>Rotor Speed</td>
<td>456 - 563 RPM</td>
</tr>
<tr>
<td>POST SCREEN</td>
<td></td>
</tr>
<tr>
<td>Decks</td>
<td>Double Deck</td>
</tr>
<tr>
<td>Length</td>
<td>3,300 mm</td>
</tr>
<tr>
<td>Width</td>
<td>1,500 mm</td>
</tr>
<tr>
<td>MAIN FINES CONVEYOR</td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>1,200 mm</td>
</tr>
<tr>
<td>Stacking Height</td>
<td>3,660 mm</td>
</tr>
<tr>
<td>OPERATING DIMENSIONS</td>
<td></td>
</tr>
<tr>
<td>Operating Width</td>
<td>5,800mm (with pre-screen conveyor)</td>
</tr>
<tr>
<td>Operating Length</td>
<td>19,000mm</td>
</tr>
<tr>
<td>Operating Height</td>
<td>3,500mm</td>
</tr>
<tr>
<td>TRANSPORT DIMENSIONS</td>
<td></td>
</tr>
<tr>
<td>Transport Width</td>
<td>3,000mm</td>
</tr>
<tr>
<td>Transport Length</td>
<td>16,860mm</td>
</tr>
<tr>
<td>Transport Height</td>
<td>3,490mm</td>
</tr>
</tbody>
</table>
Unrivalled in performance the Keestrack R6 mobile impact crusher has one of the largest hoppers and output capacity of the Keestrack machines. It is designed to take your already good-sized operation to the next level. Highly technically advanced with all the great features and more of the smaller Keestrack R5. This beast features a huge 6.1-tonne rotor and massive pre-screen and double-deck after screen.

Key Benefits

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swivelling Oversize Conveyor</td>
<td>Use the oversize conveyor to either return for crushing or stockpile the oversize stone for later crushing.</td>
</tr>
<tr>
<td>Double Deck Pre-Screen</td>
<td>The R6 can be set up to remove fines before getting to the primary crushing compartment, increasing performance.</td>
</tr>
<tr>
<td>Steel Hydraulic Lines</td>
<td>Steel Lines offer better heat dissipation, reduced risk of hose burst and easier repairability.</td>
</tr>
<tr>
<td>Hydraulic Tilting Chassis</td>
<td>Allows the R6 to easily adjust to loading onto a transporter and levelling on the machine on uneven terrain.</td>
</tr>
<tr>
<td>Double Deck After-Screen</td>
<td>Create up to three crushed end products or perfect your end product by recirculating oversize for the best end-product quality.</td>
</tr>
<tr>
<td>Remote Control</td>
<td>Start, stop, track and adjust crushing parameters with the wireless remote.</td>
</tr>
</tbody>
</table>

Remote Control
Start, stop, track and adjust crushing parameters with the wireless remote.
**OVERVIEW**

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Weight</th>
<th>Hopper</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 tph</td>
<td>61,000 kg</td>
<td>7 m³</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- **Operating Weight**: 61,000 kg
- **Power Unit**
  - **Engine**: Volvo TAD 1650 GE - 439 kW at 1,500 rpm
- **Vibrating Feed Hopper**
  - **Capacity**: 7 m³
  - **Feeding Height**: 3,870 mm
  - **Feeding Width**: 2,800 mm
  - **Feeding Length**: 4,950 mm
- **Pre-Screen**
  - **Decks**: Double Deck
  - **Width**: 1,250 mm
  - **Length**: 3,100 mm
- **Impact Crusher**
  - **Inlet opening size**: 970 mm x 1,300 mm
  - **Rotor Width**: 1,250 mm
  - **Rotor Diameter**: 1,267 mm
  - **Rotor Weight**: 6,100 kg
  - **Rotor Speed**: 443 - 532 RPM
  - **Throughput Capacity**: Up to 450 tph
- **Post Screen**
  - **Decks**: Double Deck
  - **Length**: 4,500 mm
  - **Width**: 1,500 mm
- **Main Fines Conveyor**
  - **Width**: 1,200 mm
  - **Stacking Height**: 4,150 mm
- **Operating Dimensions**
  - **Operating Width**: 11,800 mm (with pre-screen conveyor)
  - **Operating Length**: 20,100 mm
  - **Operating Height**: 4,150 mm
- **Transport Dimensions**
  - **Transport Width**: 3,200 mm
  - **Transport Length**: 17,800 mm
  - **Transport Height**: 3,670 mm

**Applications**

- Proven across New Zealand and the world in various applications including but not limited to:
  - Aggregates
  - Concrete recycling
  - Rubble
  - Asphalt recycling
  - Stone
  - Roadbase

**Operation Mode**

**Transport Mode**

[Image of R6 equipment in operation and transport mode]

[www.equip2.co.nz](http://www.equip2.co.nz)
Keestracks innovatively designed cone crusher this machine uses a removable diesel Genset to power the cone and hydraulic e-motors. Exceptionally fuel-efficient and powerful the H4e will crush the toughest of rock and ore effectively.

Additionally equipped with up to a triple deck after screen this Cone can be used for primary, secondary, tertiary, or quaternary crushing.

**Key Benefits**

- **Volvo Genset**
  Comes standard with the Volvo TAD fixed speed engines, running at 1,500 Rpm and euro stage IIIA rated.

- **Triple Deck After Screen**
  Allows flexibility in material production to produce more crushed and shaped end products with just one machine.

- **Remote Control**
  Start, stop, track and adjust crushing parameters with the wireless remote.

- **Rigid Frame**
  Built from a Domex high-tensile strength steel frame means the H4e is lighter and more robust.

- **Advanced Cone**
  It features an advanced pressurised Cone with Constant liner performance through the life of the liner.

- **Longlife E-Motors**
  E-Motors require less maintenance, produce more power and outlast equivalent hydraulic motors.
**Applications**

Proven across New Zealand and the world in various applications including but not limited to:
- Limestone
- Aggregates
- Chip

**OVERVIEW**

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Weight</th>
<th>Hopper</th>
</tr>
</thead>
<tbody>
<tr>
<td>300 tph</td>
<td>42,300 kg</td>
<td>8 m³</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Operating Weight</th>
<th>42,300 Kg</th>
</tr>
</thead>
</table>

**POWER UNIT**

- **Engine**: Volvo TAD 1354 GE - 328 kW at 1,500 rpm

**VIBRATING FEED HOPPER**

- **Capacity**: 8 m³
- **Feeding Height**: 3,400 mm
- **Feeding Width**: 3,450 mm
- **Feeding Length**: 3,800 mm

**CONE CRUSHER**

- **Max Feed Size**: EC: 185mm, C: 145mm, MC: 115mm, M: 90mm, MF: 75mm, F: 50mm
- **C.S.S. Settings**: EC + C: 13-38mm, MC + M: 10-32mm, MF: 8-25mm, F: 6-25mm
- **Weight**: 9,200 kg

**MAIN OUTPUT CONVEYOR**

- **Width**: 1,000 mm
- **Stacking Height**: 4,000 mm

**POST SCREEN**

- **Decks**: Triple Deck - 4 Way Split
- **Length**: 3,600 mm
- **Width**: 1,500 mm

**FINES CONVEYOR**

- **Width**: 1,200 mm
- **Stacking Height**: 3,760 mm

**OPERATING DIMENSIONS**

- **Operating Width**: 9,960 mm
- **Operating Length**: 18,405 mm
- **Operating Height**: 3,760 mm

**TRANSPORT DIMENSIONS**

- **Transport Width**: 3,000 mm
- **Transport Length**: 17,580 mm
- **Transport Height**: 3,450 mm
The largest in the cone crusher range, this secondary crusher is the machine to turn up the production of any high capacity quarry in NZ. Keestracks innovatively designed cone crusher this machine uses a removable diesel Genset to power the cone and hydraulic e-motors. Exceptionally fuel-efficient and powerful the H6e will crush the toughest of rock and ore effectively. Additionally equipped with up to a triple deck after screen this Cone can be used for as a secondary, tertiary, or quaternary crusher.

**KEESTRACK H6e**

**Key Benefits**

- **Advanced Cone**
  It features an advanced pressurised Cone with Constant liner performance through the life of the liner.

- **Rigid Frame**
  Built from a Domex high-tensile strength steel frame means the H6e is lighter and more robust.

- **Engine Unit**
  It has a noise-absorbing canopy with a dust filter to keep out dust from the diesel engine.

- **Triple Deck After Screen**
  Allows flexibility in material production and can easily be used in primary crushing applications.

- **Hopper**
  Split back-wall for 3 different feeding heights.

- **Remote Control**
  Start, stop, track and adjust crushing parameters with the wireless remote.
## OVERVIEW

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Weight</th>
<th>Hopper</th>
</tr>
</thead>
<tbody>
<tr>
<td>415 tph</td>
<td>60,750 kg</td>
<td>8 m³</td>
</tr>
</tbody>
</table>

## SPECIFICATIONS

### POWER UNIT
- **Engine**: Volvo TAD 1354 - 328 kW at 1,500 rpm

### VIBRATING FEED HOPPER
- **Capacity**: 8 m³
- **Feeding Height**: 3,700 mm
- **Feeding Width**: 3,980 mm
- **Belt Feeder Width**: 1,200 mm

### CONE CRUSHER
- **Max Feed Size**: EC: 215mm, C: 175mm, MC: 140mm, M: 110mm, MF: 85mm, F: 70mm, EF: 38mm
- **C.S.S. Settings**: EC: 16-44mm, C + MC + M: 13-38mm, MF + F: 10-32mm, EF: 6-7.5mm
- **Capacity**: Up to 415 tph

### MAIN CONVEYOR
- **Width**: 1,200 mm
- **Stacking Height**: 4,800 mm

### POST SCREEN
- **Decks**: Triple Deck - 4 Way Split
- **Length**: 4,500 mm
- **Width**: 1,800 mm

### FINES CONVEYOR
- **Width**: 1,200 mm
- **Stacking Height**: 4,160 mm

### OPERATING DIMENSIONS
- **Operating Width**: 10,500 mm
- **Operating Length**: 20,720 mm
- **Operating Height**: 4,100 mm

### TRANSPORT DIMENSIONS
- **Transport Width**: 3,000 mm
- **Transport Length**: 20,329 mm
- **Transport Height**: 3,653 mm

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**Applications**

Proven across New Zealand and the world in various applications including but not limited to:
- Limestone
- Aggregates
- Chip

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Operation Mode

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Transport Mode

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www.equip2.co.nz
Able to stack piles of processed material up to 9.3m high or 15,000 tonnes of rock, the Keestrack S3 & S5 Stackers are a high productivity machine made to enhance a quarry’s processing equipment and plant. Built for mobility; S3/S5 is also rugged with a tracked drive system and hardened steel and wear part construction.

**Key Benefits**

**Heavy duty Feeding Chute**
The chute liners are made of Hardox steel for longer wear life, less wear cost and time spent swapping them out.

**Hydraulically Adjustable Stacking**
It has an adjustable stacking height of 9.35m to 6.05m with a maximum 500tph throughput.

**Full Mobility**
Independently powered and tracked the Stacker can be moved around the site quickly.

**Steel Hydraulic Lines**
Steel Lines offer better heat dissipation, reduced risk of hose burst and easier repairability.
### S3 SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Weight</td>
<td>10,300Kg</td>
</tr>
<tr>
<td><strong>POWER UNIT</strong></td>
<td></td>
</tr>
<tr>
<td>Engine</td>
<td>Deutz D 2011 L04 - 29.4 kW at 1500rpm</td>
</tr>
<tr>
<td><strong>BELT CONVEYOR</strong></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>800mm</td>
</tr>
<tr>
<td>Length</td>
<td>18,000mm</td>
</tr>
<tr>
<td>Stacking height</td>
<td>7,780mm</td>
</tr>
<tr>
<td>Feed capacity</td>
<td>up to 250 tph</td>
</tr>
<tr>
<td><strong>OPERATING DIMENSIONS</strong></td>
<td></td>
</tr>
<tr>
<td>Operating Width</td>
<td>2,290mm</td>
</tr>
<tr>
<td>Operating Length</td>
<td>16,200mm</td>
</tr>
<tr>
<td>Operating Height</td>
<td>7,780mm</td>
</tr>
<tr>
<td><strong>TRANSPORT DIMENSIONS</strong></td>
<td></td>
</tr>
<tr>
<td>Transport Width</td>
<td>2,290mm</td>
</tr>
<tr>
<td>Transport Length</td>
<td>11,900mm</td>
</tr>
<tr>
<td>Transport Height</td>
<td>2,330mm</td>
</tr>
</tbody>
</table>

### S5 SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Weight</td>
<td>12,200Kg</td>
</tr>
<tr>
<td><strong>POWER UNIT</strong></td>
<td></td>
</tr>
<tr>
<td>Engine</td>
<td>Deutz TD 2011 L4 - 35.2 kW at 1,800rpm</td>
</tr>
<tr>
<td><strong>BELT CONVEYOR</strong></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>1,000mm</td>
</tr>
<tr>
<td>Length</td>
<td>23,000mm</td>
</tr>
<tr>
<td>Stacking height</td>
<td>9,350mm</td>
</tr>
<tr>
<td><strong>OPERATING DIMENSIONS</strong></td>
<td></td>
</tr>
<tr>
<td>Operating Width</td>
<td>2,290mm</td>
</tr>
<tr>
<td>Operating Length</td>
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<tr>
<td>Transport Length</td>
<td>12,000mm</td>
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<tr>
<td>Transport Height</td>
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### S5 OVERVIEW

- **Capacity**: 500 tph
- **Weight**: 12,200 kg
- **Length**: 23 m

Proven across New Zealand and the world in various applications including but not limited to:

- Stockpiling
- Transport
- Loading
- Sorting and others
CONVEYOR SYSTEMS

EQUIP2 S2

A great range of smaller wheeled mobile conveyors for use as stockpiling conveyors or link conveyors for a wide variety of applications. These conveyors are dependable, versatile and provide excellent value for money.

Key Benefits

Radial Stacking
Designed to simply radial stack - easily change the direction of the wheels and you have a radial stacker rotating around the pivot table at the feeding end.

Hydraulic Couplings
Coming complete with extra hoses and hydraulic couplings this machine is ready to be plumbed up straight away to your primary machine.

OVERVIEW

<table>
<thead>
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<th>Capacity</th>
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<tr>
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SPECIFICATIONS

POWER UNIT
Coupled onto suitable primary machine or power pack

BELT FEEDER

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OPERATING DIMENSIONS

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<th>Operating Length</th>
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<td>13,500mm</td>
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TRANSPORT DIMENSIONS

<table>
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<tr>
<td>2,000mm</td>
<td>11,900mm</td>
<td>3,221mm</td>
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</table>
“We’re a proud owner of the Keestrack K4. We’re doing reclaimed, sieving rocks and all that. One of the best screens I’ve used, pretty versatile, you can do everything from the cab of the digger.

I throw some pretty decent rocks over it, and she still chews it up and keeps going. The Backup staff from Equip2 is very good, no complaints.”
HOW KEESTRACK IMPACT CRUSHERS WORK!

An Impact Crusher could be described as a ‘rock smasher’ via a fast-moving rotor with a large mass hitting the rock, causing it to fracture. In this article, we’ll delve a little deeper into the principles of impact crushers and how they work to produce in-spec aggregate products.

WHAT A KEESTRACK CRUSHING COMPARTMENT LOOKS LIKE

Keestrack R3 Impact Crushing Chamber

1. Chains:
   The chains stop large feed material from being rebounded out of the crushing chamber.

2. Curtain:
   The curtain prevents smaller debris from being rebounded out of the crushing chamber.

3. Primary Apron:
   The Primary Apron is responsible for the first crushing reduction and is adjustable hydraulically to a GAP setting (the gap between the apron and blow bars.)

4. Secondary Apron:
   The Secondary Apron is what produces the final product; its GAP setting is what the final product should be crushed to on exiting the chamber.

5. Rotor:
   The Rotor is the large moving part of the crusher and holds Blow Bars. The Rotor itself doesn’t do any crushing but provides weight and inertia to the Blow Bars.

6. Blow Bars: The Blow Bars are the primary crushing component, also referred to as hammers. The impact these provide imparts energy to the material, causing it to fracture, it also directs the material to the Aprons for additional crushing.
WHY CHOOSE A KEESTRACK IMPACT CRUSHER?

One machine, that does two jobs

An Impact Crusher has more adjustability and variability to its operation than a Jaw or Cone crusher; this is due to its ability to fulfil both crushers’ roles in one machine, that is primary and secondary crushing.

An Impact Crusher can reduce an input material to a higher ratio than a standalone Jaw or Cone Crusher; it does this via the use of two aprons suspended over the rotor. Each apron is responsible for 1/2 of the crushing reduction with the 1st apron accountable for the primary crushing operation and 2nd apron fulfilling the secondary crushing; each usually set at 1/3 jumps.

1. Reduction 1:
The Primary Apron produces the first reduction in feed size; generally this is 1/3 of the initial size of the product. Until crushed down to pass it will stay in this part of the chamber.

2. Reduction 2:
The Secondary Apron takes the material from the Primary Apron and reduces it again; it generally is set to 1/3 of the Primary Apron or 2/3 of the Feed Material.

3. Feed Material:
The input material will determine the optimal crusher settings including the Apron GAP size due to the crushing force that the Rotor and Blow Bars can impart.
1. Blow Bars
The impact imparted by the blow bar makes up approximately 75% of the total crushing work done in an Impact Crusher.

2. Aprons
The impact between material and aprons makes up approximately 20% of the total crushing work done in an Impact Crusher.

Autogenous Crushing
Autogenous or Rock on Rock impacts makes up approximately 5% of the total crushing work done in an Impact Crusher. Although this can be increased with proper load and capacity management as this type of crushing produces no wear.

CRUSHING EXAMPLE
Using a Keestrack R3
A suitably set up Impact Crusher will have feed pushed through the crushing compartment at 65% capacity (generally speaking, more fines will mean a lower capacity to reduce clogging). The reduction ratio of an Impact Crusher is stipulated in the operating manual; in this example, we will use a Keestrack R3 which is capable of a 1:10 reduction ratio by itself or 1:20 with an after screen and oversize recirculation conveyor.

1. Reduction 1:
The Primary Apron is set to 150mm, the measurement is the distance from the Blow Bars when new. This is 1/3 of the material’s original size.

2. Reduction 2:
The Secondary Apron is set to 40mm; the measurement is the distance from the Blow Bars when new. This is 1/3 of the size of the material from the first reduction.

3. Feed Material:
Input material is Alluvial Graywacke with a feed size up to 400mm across.

CRUSHING FORCES IN THE CRUSHING COMPARTMENT
How Rock is Fractured

1. Blow Bars
The impact imparted by the blow bar makes up approximately 75% of the total crushing work done in an Impact Crusher.

2. Aprons
The impact between material and aprons makes up approximately 20% of the total crushing work done in an Impact Crusher.

Autogenous Crushing
Autogenous or Rock on Rock impacts makes up approximately 5% of the total crushing work done in an Impact Crusher. Although this can be increased with proper load and capacity management as this type of crushing produces no wear.
MATERIAL FACTORS AND IMPACT CRUSHERS

Tuning Impactors to the Feed

Below are some factors and how Impact Crushers can be set up to compensate:

High Fines Content
All of Equip2’s Impact Crushers are equipped with pre-screens to remove fines that are unwanted in the produced product. Fines increase wear as they have a friction quality to them and removing them means less wear and more throughput.

No Large Rock to Crush
When there is no feed over 100mm like out of some regional rivers, Impact Crushers are preferred to be set up with four blow bars for more hits per pass; fines tend to bounce rather than fracture so more passes mean more hits. Additionally, Ceramic (or harder) blow bars have a higher tolerance for friction over heavier impacts, reducing wear from processing fines.

Very Soft Material
Soft material has the downside of being too easy to crush and is pulverised into fines on impact. Impact Crushers, in this situation, may produce an end product with too many fines regardless of the apron GAP setting. In this instance, using two blow bars at a low power setting and a reduced rotor velocity will reduce over energised impacts. Since the initial impact is more than enough to break the feed material down the primary apron can be opened up further to allow for higher input to the secondary apron to adequately size the material. Materials like Asphalt and Lime have these characteristics, and the impact from blow bars themselves is enough to break the product up.

HOW KEESTRACK IMPACT CRUSHERS SAVE MONEY

Superior Product Shape with One Machine
Impact Crushers when initially introduced to the market were almost exclusively used as secondary crushers to reduce consistent feed size to a well-graded cubical end product. Since being brought to the market several decades ago, they have gone through numerous innovations and improvements, cementing them as excellent primary crushers for the last decade that can produce the same reduction ratio that two machines were initially needed to complete.

That’s not to say Jaw, and Cone Crushers have been wholly replaced or superseded, these also have their place in quarry and crushing operations with features and benefits over Impact Crushers.

How the Keestrack Range of Impact Crushers produces a more profitable product:

• Less speed = Less wear
The high-speed characteristics of Impact Crushers can result in higher wear. Keestrack’s entire range of Impact Crushers are built around reducing wear, by decreasing the speed necessary to impart energy to the feed material; this reduces wear on the blow bars and aprons with a more meaningful crushing action occurring from the first pass. Keestrack accomplishes this with heavier rotors that have higher inertia to them, resulting in more energy at a lower speed.

• Less fuel usage
As mentioned above, Keestrack’s Impact Crushers have a heavier rotor than other brands in the same weight and production class. This results in lower, not higher fuels costs, a more massive rotor is harder to slow down, so as it impacts the material, less energy is being sapped by the impact, meaning less load on the engine.

The Hydraulic system on Keestrack’s Crushers features Load Sensing Pumps that, as their names suggest sense the load on the system and distribute hydraulic power to components accordingly. This feature directs the pumps generate and direct hydraulic power when needed as opposed to most systems that generate and restrict it to components resulting in unused power and fuel usage to produce it. This system saves most machine users around 20-25% in fuel costs, which can be equated to around $10,000 a year.

• Automation
All of Keestrack’s machinery feature load, level and capacity sensors to determine what the machine is doing at any moment. By detecting what the crushing compartment is doing the machine can adjust the feeder speed to compensate to keep the crusher at its optimal set capacity. All of which is adjustable from the PLC.

• Smart Features
In addition to the purpose-built cost-saving features, Keestrack Impact Crushers are also high-productivity friendly. With abilities like Wireless Remote adjustability of crushing and screening parameters on the fly as well as simultaneously allowing the operator to track and crush.
HOW KEESTRACK JAW CRUSHERS WORK!

Jaw Crushers are ubiquitous in Quarrying, Mining and Recycling across the world. Their widespread use can be attributed to their ease of use, simple design and powerful mechanical principles to achieve material and rock resizing. Invented back in 1858 by Eli Whitney Blake patented the Blake Jaw Crusher and is a testament to its sound mechanical engineering as it forms the basis of all modern Jaw Crushers today.

In terms of brute strength and simplicity, the Jaw is unsurpassed and is a common sight in heavy-duty rock and ore crushing.

KEESTRACK B4 JAW CRUSHER CHAMBER

1. **Eccentric Shaft**
   The Eccentric Shaft is responsible for producing the ‘rocking’ movement that defines Jaw Crushers.

2. **Swing Jaw**
   This is the moving Jaw component, driven by the eccentric shaft it swings forward with a downward motion to compress material against the fixed Jaw.

3. **Fixed Jaw**
   As the name suggests, this Jaw is fixed in position. The swing Jaw pushes material onto it at up to 290 RPM.

4. **C.S.S Adjustment Cylinders**
   The Hydraulic Rams push the Pivot Plate into the Swing Jaw to adjust the C.S.S Gap between the plates at the bottom of the Jaw Chamber. It pivots on a bracket just below the Eccentric Shaft.

5. **Pivot Plate**
   The Pivot Plate is a wide plate that sits between the C.S.S Adjustment Cylinders and the Swing Jaw.
Today Single Toggle Jaw Crushers have been refined from this 160-year-old design. Using the Keestrack B4 as an example; we can see how modern technologies and design improvements further the field of high production material processing.

A Jaw Crusher uses compression-based crushing to resize material, unlike an Impact Crusher which uses impacts to break up material. In a V configuration, the Jaw Crusher has one Fixed Jaw and one Moveable Jaw. The Moveable Jaw (also known as a Swing Jaw) pivots on an Eccentric Shaft at the top of the Jaw; this has the effect of a ‘rocking motion’. The motion carries down the Jaw where it also moves the bottom portion of the Swing Jaw.

Jaw Crushers are simply set by adjusting the C.S.S. (Closed Side Setting), the C.S.S. is the width of the opening during the compressive stroke (the stroke pushing the rock against the fixed Jaw).

The reverse of this is the O.S.S. (Open Side Setting), the O.S.S. is the width of the opening during the open stroke, where the swing jaw is pulling away from the fixed Jaw. This setting is not adjustable; its distance is dependent on the physical size of the Jaw Crusher and Eccentric Throw.

**KEESTRACK B4 JAW CRUSHER CHAMBER**

1. **Feed Material**
   The feed material enters the crusher via the apron feeder. The B4’s opening allows for material as large as 560mm wide to enter.

2. **Reduction**
   As the material moves through the crushing chamber, the swing jaw is ‘rocking’ and progressively resizing the material till it is small enough to leave the chamber. Material smaller than the O.S.S. will be able to exit the crusher.
Jaw Crushers reduction ratio is dependent on the actual size of the crushing chamber/box, the larger the opening for feed material, the larger the minimum C.S.S. will be. This is due to the geometry of larger boxes having a larger feed opening, and the feed exit scales up with it.

KEESTRACK B4 JAW CRUSHER REDUCTION EXAMPLE

Why This Number?
Due to the action of the Jaw, the exit GAP is not constant with the set C.S.S. Since C.S.S. stands for Closed Side Setting this only refers to the closed stroke of the Jaw. The O.S.S. refers to Open Side Setting or the open stroke. In the case of the B4 the Eccentric throw is 32mm meaning crushed material on this setting will be between 130mm and 162mm, not including fines that pass through.

The Possible C.S.S. range on a Keestrack B4 is 45mm to 160mm. If the C.S.S. is reduced while maintaining a large feed size of 400mm machine load will go up as more energy is needed to complete the Swing Jaws rotation around the Eccentric Shaft.

The ideal Reduction ratio for Keestracks range of Jaw Crushers is 3:1; this is where it is mechanically at its optimum and will produce material efficiently and at a high throughput. At 3:1 it will handle nearly any type of material, particularly hard stone and rock. For medium hardness material, the Keestrack range can produce a 5:1 reduction ratio and with a soft material like asphalt and lime, it can produce an 8:1 reduction ratio.

What separates Keestrack apart from other mobile Jaw Crushers is the extensive development and refinement of the mechanism and introduction of intelligent features that protect the components and reduces possible downtime.

Keestrack implements a full Digital P.L.C. control and monitoring unit on all their crushers, and the Jaw Crusher line is no exception. One of the key benefits is that the P.L.C. will automatically control the feeder to maintain high throughput based on the operators desired input. The P.L.C. monitors and adjusts the Apron Feeder, Jaw Drive and the Non-Stop System for high production and in line with the operator set parameters.

One of Keestrack’s flagship features if the Non-Stop System (N.S.S.) which encompasses a flew slew of hydraulic adjustment and electronic monitoring systems. It allows on the fly C.S.S. adjustments while crushing, which means that small modifications or substantial changes can be done without having to stop the crushing process.

It incorporates a monitoring sensor which shows the actual C.S.S. of the Jaw to the operator. Whereas most other systems make the operator manually inspect it, to see what it's set and performing too.

Every 20-50 hours the crusher completes a Jaw reset where the P.L.C. resets the Jaw and C.S.S. according to the wear on the Jaw Plates. The gap setting will always be accurate, regardless of plate wear.

The systems automatic C.S.S. recovery monitors the set Gap,
and if it is pushed back by more than 10mm, the system will attempt to readjust it back to the programmed C.S.S. If readjustment is unsuccessful and hydraulic pressure on the Gap adjustment rams continues to rise, the system will stop pressurising these rams. Simultaneously the P.L.C. actuates the counter tension ram which pulls the Swing Jaw as far open as possible to dump the uncrushable material.

The Non-Stop System has two overload protections. The first of which is electronic as described above. It also has an instantly operable mechanical relief system. It incorporates 600 Bar pressure relief valves on the cylinders. Should an uncrushable piece of material enter the chamber before the electronic system can adjust for it; the mechanical system prevents damage to the crushing chamber and importantly, their components. Both of these systems also stop the Feeder and Eccentric drive, stopping material pile up.

Lastly, the Gap adjustment cylinders can be manually operated to crush material that is blocking regular crushing action. This prevents the need for someone to manually unblock the crusher, making it safer and reducing potential downtime.

The Keestrack line of Jaw Crushers are true mobile quarrying and processing machines, highly capable and designed for performance. They save companies money.

**HOW THE KEESTRACK RANGE OF JAW CRUSHERS ACHIEVE A MORE PROFITABLE PRODUCT:**

**Less Fuel Usage**
Keestrack’s Jaw Crusher range feature Load Sensing Pumps that distribute hydraulic power to components accordingly. This feature doesn’t restrict hydraulic flow; instead, it directs the pumps to generate and direct hydraulic power when it’s needed. This system saves companies around 20-25% in fuel costs, which can add up to around $10,000 a year.

**Sensors**
Sensors located throughout the machine monitor load, fill levels and capacity. The P.L.C. can report on what the Jaw Crusher is doing at any moment in addition to working in the set range, keeping the crusher running efficiently and at capacity.

**Smart Features**
The smart features add to the Jaw Crushers productivity. The wireless remote enables total machine adjustment and even tracking while crushing.
Cone Crushers (sometimes also referred to as Gyratory Crushers) made their appearance back in 1877 as a contender to the Jaw Crusher. It was in 1881 that they adapted to a smaller size and served as a secondary crusher.

Cone Crushers are also compression based crushers, like Jaw Crushers, but also have an extra designation of 'fine-crushers' due to their ability to resize material that Jaw Crushers would be unable to achieve.

Modern Cone Crushers are a refinement of the Hydro-Cone. They are called Hydro-Cones because the bottom assembly of the Cone is sealed and bathed in oil, which lubricates the entire action up to the Mantle.

Two designs of the Hydro-Cone commonly exist in the market today, the Symons Cone and the Spider Cone.

Keestrack Cone Crushers utilise the Spider Cone Crusher variant for reasons discussed further in this article.

A Cone Crusher utilises a Mantle on an offset shaft (the amount of offset is called the eccentric) that oscillates around the fixed circumference of the Liner (also called concave).

Material is fed into the Cone where each revolution hits and compacts the material, crushing it, as this happens the material then moves further down the Liner until it passes the nip point.

The key part of this crushing process is the Liner Type, Mantle, Eccentric and C.S.S. each of these, are customisable to suit the input material and size and desired output product.

**KEESTRACK H4e CONE CRUSHER CRUSHER CHAMBER**

1. Spider Bearing
2. Top Shell
3. Liner
4. Mantle
5. Main Shaft
6. Dust Seal Ring
7. Bottom Shell
8. Eccentric Assembly
9. Pinion Shaft
10. Step Washer Assembly
11. Hydrosset Piston
KEESTRACK H4E CRUSHING CHAMBER SAMPLE

1. Feed Material
   The Feed Material must be the correct size before entering the crushing chamber based on the desired product output and what Liners, Mantle, Eccentric and C.S.S. has been set.

2. C.S.S. Pass
   The Closed Side pass is what compresses and crushes material against the Liner by the Mantle. On the H4e the Mantle is oscillating around the chamber at around 340 RPM.

3. Nip Point (C.S.S. Gap)
   The Nip Point or the gap during the C.S.S. pass is simply the point crushed rock passes once it has been crushed enough to pass.

MANTLES AND LINERS

Mantles and Liners are one of the areas where Cone Crushers start to differ from other Crushers like Impactors and Jaws. Other Crushers allow a wide variety of in-machine adjustments to adapt to input feed and desired output; Cone Crushers rely on customisation to achieve this.

Two of the commonly customised parts on a Cone Crusher are the Mantle and Wear Liner.

The Keestrack Cone utilises two mantle options; A and B, which are simply two different sizes for fine or coarser applications. Most Cone Crushing operations working in varied crushing environments will own both mantles types and change them out based on the use-case and desired product size range.

The Liners in the Cone Crusher is where most of the wear part customisation comes in. The Keestrack H4e and H6e offer seven different liners that coupled with the Mantle provide a full spread of coarse to extra fine crushing options.
Having this many different chamber options allows for efficient crushing of the input material to the desired output product. The right Liner fully utilises the amount of crushing forces in the chamber, has better wear characteristics and produces a well-shaped product.

Selecting the right Liner is based on the desired end product, where applicable the Mantle will also need to be changed to suit the very coarse and very fine spectrums.

THE ECCENTRIC

The Eccentric throw is the variance of angle which the Cone’s Main Shaft operates. The angle is measured by how far off-centre the shaft is. A larger offset means a higher reduction ratio with the C.S.S. decreasing (closer to Liner) and the O.S.S. increasing (further from Liner).

Keestrack’s Mobile Cone line makes this task simpler for operations to perform this efficiently. One of the benefits to a Spider Cone is its mechanical simplicity, and it utilises a unique keyway function on the Eccentric Bush that can be lifted and shifted to change the Eccentric offset that suits the Liners in the chamber.

C.S.S. ADJUSTMENT

Adjusting the C.S.S. on a Cone is tied in with the Liner, Mantle and Eccentric which determines the G.A.P. size. Cones have in-machine adjustability via a Hydroset hydraulic piston at the bottom of the Main Shaft. This piston pushes the Main Shaft up or down to adjusting C.S.S. opening at the Nip point.

CONE PROTECTION CIRCUIT

Much like Keestrack’s Jaw Crusher line, Keestrack’s Cone Crusher line utilises Hydraulic and Electronic monitoring and protection circuits to protect the Cone from damage from packing and uncrushable materials.

The first of these protections is the Hydroset piston which allows for slight movement to the C.S.S. during high load crushing. An accumulator on the ram allows for movement while maintaining Cone Pressure during peaks. Still, in the case of packing or large immovable material, it will relieve pressure to drop this material out.

In tandem with the Hydroset piston, the P.L.C. monitors hydraulic pressure and drive load on the Cone. The P.L.C. monitors the hydraulic pressure of the Hydroset cylinder. If it should exceed pre-set parameters, it will actively reduce pressure to the piston, lowering the Mantle and allowing material to pass more freely.

The P.L.C. also monitors the direct load on the E-Motor powering the Pinion Shaft, and if this exceeds the safety threshold will stop or reduce power and speed to the Cone Chamber to avert damage.
1. **Feeder Control**
   The feeder is controlled and monitored by the P.L.C. unit, which uses the Magic Eye sensor to determine the correct load level in conjunction with the drive load and Hydroset piston pressure. When these parameters are exceeded, the feeder is stopped to prevent clogging of the Cone.

2. **P.L.C. Electronic Monitoring**
   The P.L.C. monitors all of the Cones parameters, ensuring a well-defined product is produced at maximum throughput. When packing, clogging or an uncrushable material is in the crushing chamber it will actuate the Hydroset Ram to drop material through the chamber actively. It also monitors drive load to stop overloading and damage to the Cone and its main components. An alarm is triggered when any of the protection circuits are activated.

3. **Hydroset Piston**
   The Hydroset cylinder located at the bottom of the Main Shaft holds up the Eccentric Shaft to the set C.S.S. It includes a safety buffer at each end of potential adjustment. An accumulator is connected to the piston that allows movement on Mantle during peak loads, and will recover back to the original C.S.S. The accumulator automatically allows the Mantle to lower during overloading, preventing damage and if the pressure goes past the set threshold, the P.L.C. then works to stop any further crushing.

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**KEESTRACK CONE OVERLOAD PROTECTION**

**SPIDERLESS CONE VS. SPIDER CONE**

As mentioned above the main difference between a Symons Cone and Spider Cone is the use of a bearing suspended above the Cone to secure it.

The difference amounts into a substantial change of mechanical complexity, reliability and strength.

Spider Cone Crushers key benefits are:

- **Longer Crushing Chamber**
  Being supported at the top and bottom allows the chamber to be longer while still maintaining strength and leverage against the material; this gives a superior shape with more ‘hits’ per pass.

- **Eccentric Throw Adjustability**
  The Eccentric is changed by turning the Eccentric Bush to the desired setting. The most extensive of any in the market.

- **Single Piston C.S.S. Adjustment**
  Spiderless Cones rely on moving the Upper Shell and Liners to adjust the C.S.S; Spider Cones have full structural rigidity across the Chamber and Main Shaft due to its extra support.

- **Mechanically Simpler**
  Simpler is not less productive; instead, it means that there’s no need for complicated and expensive bushes and bearings to support the Main Shaft from one point.

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**HOW THE KEESTRACK RANGE OF CONE CRUSHERS ACHIEVES A MORE PROFITABLE PRODUCT:**

**Constant Liner Performance**
The Fixed Spider Head Cone Crusher allows Keestrack to utilise C.L.P. liners that enable operations to operate the Cone to the full Liner life without the need to adjust the C.S.S. halfway through the Liner life.

**Less Fuel Usage**
Keestrack’s Cone Crusher range are Hybrid powered, which in comparison to regular diesel-powered Cone Crusher uses 50% less fuel. By integrating E-Motors energy, efficiency is boosted to 95% over hydraulic motors that are only 75% efficient.

**Automation**
Sensors located throughout the machine monitor load, fill levels and capacity. The P.L.C. can report on what the Cone Crusher is doing at any moment in addition to working in the set range, keeping the crusher running efficiently and at capacity.

**Smart Features**
The smart features add to the Cone Crushers productivity. The wireless remote enables total machine adjustment and even tracking while crushing.
PORTAFILL PRODUCTS

Helping Quarry Owners Enhance Productivity, Financial Performance and Reduce Risk.
Portafill is a world-leading designer, developer and supplier of a range of cost-effective, innovative and highly mobile screens, crushers, trommels, wash systems and conveyors. The company’s products have been deployed in a variety of testing applications including quarries, sand and gravel pits, landfill sites, Gabion stone, waste management sites and topsoil. You’ll find Portafill machines operating in just about every continent in the world.

Portafill has been designing and manufacturing quality products for more than a decade. Incorporated in 1993, the company can call upon the rich local expertise and history that has made this part of Ireland a hub of excellence when it comes to screening plant production.

Portafill’s dedicated engineering team employs the latest 3D CAD and data management technologies, ensuring accurate life cycle management of their products through all stages of design, manufacturing and after-sales service.

Portafill’s commitment to constant innovation and improvement can be seen in the quality of their final product.
"Equip2’s been quite a big part of getting to where we have got to, and we’ve got plans to go a lot further.

This wee machine here is probably one of the backbones of the business, and it used a minimum of 4 days a week. We load it with a 12 ton Cat digger, and we take away with a 14 ton Hitachi loader, and the Hitachi loader has trouble keeping up with the 12 ton Cat digger.

This thing can smoke out stones like you wouldn’t believe, the thing is not very big, and people think because it’s not very big it’s not going to produce much, but its still got the big 8’ deck in it, and the thing just smokes out stones faster than you can imagine."

SANDY SHIRTCLIFF
ELLESMERE EXCAVATION & AGGREGATE LTD

PORTAFILL 3000ST
DECK SCREEN
CLASSIFIER SCREEN

PORTAFILL MS-3

The Portafill MS-3 with an optional live head Twin Deck is a high through-put yet ultra portable screening plant. Combining compact design & low operating weight with a highly productive 2.9m x 1.2m vibratory screen, making this unit among the most portable, versatile plant in New Zealand.

Key Benefits

Quick Setup
The MS-3 sets up and is ready to start screening in 10 minutes.

Low Running Cost
Only using 6-7 litres an hour of diesel, it is incredibly efficient while also using a simple to maintain Deutz Tier 3 Engine.

Hydraulic Tipping Grid
It allows easy loading from excavators and loaders of various sizes while maintaining its compact dimensions.

Adjustable Conveyor Speed
Adjusting the conveyor speed allows for the right amount of material to enter the screening decks.

Triple Conveyor System
Get three separate products on each side of the machine from the triple conveyor system.

Optional Wash System
Optional full wash system for 2 deck.
**Applications**

Proven across New Zealand and the world in various applications including but not limited to:

- Top soil
- Compost/barks
- Aggregates
- Sand
- Limestone
- RAP Recycling

**OVERVIEW**

<table>
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<tr>
<th>Deck Area</th>
<th>Weight</th>
<th>Hopper</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.4 m²</td>
<td>11,500 kg</td>
<td>3.3 m³</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

**Operating Weight** 11,500Kg

**POWER UNIT**

- **Engine**: Deutz D2011 L04I Tier 3 36kw (49HP)

**FEED HOPPER**

- **Capacity**: 3.2m³
- **Feeding Height**: 3,560mm
- **Feeding Length**: 3,191mm
- **Tipping Grid**: 100mm spacing

**BELT FEEDER**

- **Width**: 800mm

**SCREEN BOX**

- **Decks**: Bolted, 2 Deck, 2 Bearing Screen
- **Length**: 2,890mm
- **Width**: 1,200mm

**WING CONVEYORS**

- **Width**: 600mm
- **Stacking Height**: 2,700mm

**MAIN FINES CONVEYOR**

- **Width**: 800mm
- **Stacking Height**: 2,400mm

**OPERATING DIMENSIONS**

- **Operating Width**: 10,968mm
- **Operating Length**: 9,982mm
- **Operating Height**: 3,560mm

**TRANSPORT DIMENSIONS**

- **Transport Width**: 2,329mm
- **Transport Length**: 8,721mm
- **Transport Height**: 2,582mm

Applications

- Top soil
- Compost/barks
- Aggregates
- Sand
- Limestone
- RAP Recycling

Operation Mode

Transport Mode

www.equip2.co.nz
CLASSIFIER SCREEN

PORTAFILL MS-6

The big extended deck on the MS-6 is one of its standout features due to its low weight, making it great for often changing sites. This screen comes with multiple options and is easy to configure for changing locations and needs. Available in both double and triple deck configurations. Ideal for contractors or mobile operations across many industries like quarries, bark, mulch and recycling.

Key Benefits

- **Big Deck**
  The large decks feature 5.88m² of deck area each with the ability to have up to 3 decks.

- **Deck Chute**
  When the 3rd deck isn’t required, it can be closed off to speed up production.

- **Bi-Folding Tipping Grizzly Grid**
  At times the grizzly grid won’t be required or the screen will be fed by another machine.

- **Optional - three deck, four way split**
  Optional 3 deck screen.

- **Optional wash system**
  Optional full wash system on 2 or 3 decks.

- **Easy screen changes**
  Lift main conveyor and lower fines conveyor.
Applications

Proven across New Zealand and the world in various applications including but not limited to:
- Top soil
- Compost/barks
- Aggregates
- Limestone
- RAP Recycling

OVERVIEW

- Deck Area: 5.88 m²
- Weight: 22,000 kg
- Hopper: 4 m³

SPECIFICATIONS

Operating Weight: 22,000kg

POWER UNIT

Engine: Deutz TD2.9 L4 (EU Stage III B, EPA Tier 4) 55kW (74HP)

FEED HOPPER

Capacity: 4m³
Feeding Height: 3,242mm
Feeding Width: 3,975mm
Feeding Length: 4,200mm

BELT FEEDER

Width: 1,000mm

SCREEN BOX

Decks: Bolted, 2 Bearing Screen
Length: 4,900mm
Width: 1,200mm

OVERSIZE CONVEYOR (LEFT)

Width: 1,000mm
Stacking Height: 3,995mm

MIDDLE FRACTION CONVEYOR (RIGHT)

Width: 750mm
Stacking Height: 3,849mm

FINES CONVEYOR (FRONT)

Width: 1000mm
Stacking Height: 3,995mm

OPERATING DIMENSIONS

Operating Width: 13,965mm
Operating Length: 13,300mm
Operating Height: 3,995mm

TRANSPORT DIMENSIONS

Transport Width: 2,755mm
Transport Length: 11,899mm
Transport Height: 2,900mm
SCALPING SCREEN

PORTAFILL MR-5

Designed for versatile screening in a portable and compact package that is inexpensive to transport. The Portafill MR-5 is constructed from heavy-duty steel to handle heavy and abrasive materials. With its aggressive screening action, this mobile scalping screen is well suited to sorting rock and concrete through to recycling and topsoil — the ultimate mobile machine.

Key Benefits

Hydraulic Folding Hopper Sides
Fold over and unfold the Hopper walls for extra room or unfold to direct feed from another machine or make the MR-5 more compact for transport.

Foldable Oversize Conveyor
Fold the oversize conveyor to cut length on the MR-5 transport profile; Making it that much easier to move around.

2 in 1 Main Conveyor
Mix both the mid-size and over-size fraction together for a two way split, increasing efficiency when needed for jobs that don’t require three splits.

Low Running Cost
Only using 6-7 litres an hour of diesel, it is incredibly efficient while also using a simple to maintain Deutz Tier 3 Engine.

Compact
Ideal for tight access and confined spaces.

Transportable
Easy transport from site to site.
Applications

Proven across New Zealand and the world in various applications including but not limited to:

- Top soil
- Compost/barks
- Aggregates
- Limestone
- RAP Recycling

OVERVIEW

<table>
<thead>
<tr>
<th>Deck Area</th>
<th>Weight</th>
<th>Hopper</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.8 m²</td>
<td>14,000 kg</td>
<td>4 m³</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

Operating Weight: 14,000kg

POWER UNIT

Engine: Deutz D2011 L04I Tier 3 36kw (49HP)

FEED HOPPER

Capacity: 4m³
Feeding Height: 3,005mm

BELT FEEDER

Width: 1,000mm

SCREEN BOX

Decks: Bolted, 2 Deck, 2 Bearing
Width: 1,200mm
Length: 2,900mm

OVERSIZE CONVEYOR (FRONT)

Width: 1,000mm
Stacking Height: 2,638mm

MIDDLE FRACTION

Width: 750mm
Stacking Height: 2,880mm

MAIN FINES CONVEYOR

Width: 750mm
Stacking Height: 3,100mm

OPERATING DIMENSIONS

Operating Width: 11,424mm
Operating Length: 10,690mm
Operating Height: 3,005mm

TRANSPORT DIMENSIONS

Transport Width: 2,273mm
Transport Length: 10,629mm
Transport Height: 2,566mm
SCALPING SCREEN

PORTAFILL MR-6

The largest Scalping Screen in Portafill’s range, the MR-6 has 76% more screening area than the MR-5; Maintaining Portafill’s key machine attributes of easy portability, simplified maintenance and usability; Weighing less than 20 tons and available in a two-deck, three split format. The MR-6 is a suitable all-round candidate for anyone looking for a high output very mobile scalping screen.

Key Benefits

**Large Screen Box**
Designed for maximum vibration for a machine with a lot of screening potential in any application.

**Easy Screen Changes**
The transfer belt hydraulically raises and lowers to make getting to screens hassle-free and changing them easy.

**Internally Routed Hydraulics**
Saving weight and space while adding strength and preventing potential line damage.

**Simplified Maintenance Engine**
The engines components are easy to get to for maintenance, decreasing time spent carrying out routine maintenance.

**2 in 1 Main Conveyor**
Mix both the mid-size and over-size fraction together for a two way split, increasing efficiency when needed for jobs that don’t require three splits.

**Easy operation**
The Smart PLC makes operating and adjusting the MR-6 quick and straightforward with intuitive controls and large colour screen.
Applications

Proven across New Zealand and the world in various applications including but not limited to:

- Top soil
- Compost/barks
- Aggregates
- Limestone

OVERVIEW

<table>
<thead>
<tr>
<th>Deck Area</th>
<th>Weight</th>
<th>Hopper</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 m²</td>
<td>18,000 kg</td>
<td>7 m³</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

Operating Weight 18,000Kg

POWER UNIT

Engine Deutz TD2.9 L4 Tier 3 - 55 kW

FEED HOPPER

Capacity 7m³
Feeding Height 3,300mm
Feeding Width 2,550mm
Feeding Length 4,480mm

SCREEN BOX

Decks Double deck - 3 splits
Width 1,300mm
Length 3,900mm

OVERSIZE CONVEYOR (FRONT)

Width 1,000mm
Stacking Height 3,200mm

MIDSIZE CONVEYOR

Width 800mm
Stacking Height 3,620mm

FINES CONVEYOR

Width 800mm
Stacking Height 3,775mm

OPERATING DIMENSIONS

Operating Width 13,960mm
Operating Length 12,975mm
Operating Height 3,775mm

TRANSPORT DIMENSIONS

Transport Width 2,550mm
Transport Length 10,680mm
Transport Height 3,000mm
Utilising the latest in Trommel Screening technology the MT-5 tracked Trommel Screen from Portafill is lightweight specialist screening machine. It is built specifically for screening materials like topsoil, compost, mulch, wood, landfill waste, light rubble and even rock. Due to its durable design, the MT-5 Trommel Screen can take on a diverse range of screening jobs that other trommels would struggle to do.

**Key Benefits**

- **Heavy Duty Tracked Undercarriage**
  On-site movements are quicker with the MT-5 having an independent tracked drive unit.

- **Adjustable Brushes**
  The brushes prevent clogging and keep the drum unit screening effectively.

- **Changeable Drum/meshes**
  Changeable, quick release drum to screen broad variety of fractions.

- **Variable Drum Speed**
  The Drum speed can be adjusted to suit load and material; Allowing for better control over output and less wastage.

- **Hydraulically Folding**
  Hydraulically fold the wing and product conveyors for snap setup and quick takedown and transport.

- **Low Running Cost**
  Only using 6-7 litres an hour of diesel, it is incredibly efficient while also using a simple to maintain Deutz Tier 3 Engine.
Specifications

Operating Weight: 14,300 kg

Power Unit

Engine: Deutz D2011 L04I - 36 kW (49HP)

Feed Hopper

Capacity: 2.9 m³
Feeding Height: 3,191 mm

Belt Feeder

Width: 900 mm
Feeder Drive: Variable Speed, Adjusts to Drum Load

Rotary Screen

Length: 4,200 mm
Diameter: 1,500 mm
Drum Drive: Direct Drive - Variable Speed
Throughput: 80-100 m³ per hour

Fines Conveyor

Width: 750 mm Chevron Belt
Stacking Height: 3,239 mm

Oversize Conveyor

Width: 1,000 mm Chevron Belt
Stacking Height: 3,168 mm

Operating Dimensions

Operating Width: 6,223 mm
Operating Length: 13,054 mm
Operating Height: 3,168 mm

Transport Dimensions

Transport Width: 2,358 mm
Transport Length: 10,295 mm
Transport Height: 3,440 mm

Overview

Screen Area: 19.8 m²
Weight: 14,300 kg
Hopper: 2.9 m³

Applications

Proven across New Zealand and the world in various applications including but not limited to:

- Compost
- Organics
- Greenwaste
- Timber
- Topsoil
- Mulch
- Food Waste

Operation Mode

Transport Mode
JAW CRUSHER

PORTAFILL MJ-9

A contractors dream machine, the MJ-9 folds down to less than 10m, has a low feeding height with a large hopper and a wide crusher opening. The Portafill MJ-9 is a small machine with unsurpassed mobile results. Not lacking in resource-saving features like load sensing hydraulics the MJ-9 is made to make operation simple and cost-effective.

Key Benefits

Load Sensing Hydraulics
Stops full hydraulic power being diverted to components under minimal load saving fuel and reducing wear.

Reversible Jaw Drive
Reverse the Jaw drive action to fluff up material like asphalt or in the case of oversize or sticky material unblock it.

Easy access
Two large doors to the engine bay give unlimited access to the engine and make servicing easy.

Adjustable Magnet Height
The adjustable height enables it to be as close to the crushed material as oversize allows.

Easy Change Wear Parts
Change wear parts quickly and easily with the MJ-9’s practical and simple design.

Optional After-Screen
The bolt on after-screen can be used to split an additional sized product or re-circulate the oversize for an optimal end product.
## SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Operating Weight</td>
<td>26,000 Kg</td>
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<tr>
<td><strong>POWER UNIT</strong></td>
<td></td>
</tr>
<tr>
<td>Engine</td>
<td>CAT or Volvo, 129 kW</td>
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<tr>
<td><strong>VIBRATING FEED HOPPER</strong></td>
<td></td>
</tr>
<tr>
<td>Capacity</td>
<td>4m³</td>
</tr>
<tr>
<td>Feeding Length</td>
<td>4,100mm</td>
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<tr>
<td>Integrated Pre-Screen</td>
<td>1,160mm x 720mm</td>
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<tr>
<td><strong>JAW CRUSHER</strong></td>
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<tr>
<td>Opening size</td>
<td>850mm x 500mm</td>
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<tr>
<td>Outlet Adjustment C.S.S.</td>
<td>40mm - 100mm (depending on toggle plate)</td>
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<tr>
<td>Feed Size</td>
<td>600mm x 400mm</td>
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<tr>
<td>Jaw Crusher</td>
<td>Hydraulic via wedge</td>
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<tr>
<td><strong>MAIN FINES CONVEYOR</strong></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>900mm</td>
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<tr>
<td>Stacking Height</td>
<td>3,015mm</td>
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<tr>
<td><strong>OPERATING DIMENSIONS</strong></td>
<td></td>
</tr>
<tr>
<td>Operating Width (optional)</td>
<td>5,490mm</td>
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<tr>
<td>Operating Length</td>
<td>12,160mm</td>
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<tr>
<td>Operating Height</td>
<td>3,300mm</td>
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<td><strong>TRANSPORT DIMENSIONS</strong></td>
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<tr>
<td>Transport Width</td>
<td>2,550mm</td>
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<td>Transport Length</td>
<td>9,630mm</td>
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<tr>
<td>Transport Height</td>
<td>2,970mm</td>
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</table>

## OVERVIEW

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Weight</th>
<th>Hopper</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 tph</td>
<td>26,000 kg</td>
<td>4 m³</td>
</tr>
</tbody>
</table>

Proven across New Zealand and the world in various applications including but not limited to:

- Aggregates
- Limestone
- Demolition Recycling

Applications

Operation Mode

Transport Mode

www.equip2.co.nz
Portafill’s modern Impact Crusher is a contractors dream machine for easy transportation and varied workloads. The MI-7 makes crushing a variety of materials into desired products simple with easy to use controls to get the right product on the ground.

Key Benefits

- **Low Feeding Height**
  Extra low feeding height make the MI-7 easy to load across a variety of machines, big or small.

- **After Screen and Return Belt**
  Swivelling belt can be used to recirculate oversized material in one machine, no need to screen, load it again.

- **Overband Magnet**
  Prevents oversized steel from recirculating through the crushing compartment.

- **Large Crusher Opening**
  A compact machine with large inlet dimensions of 810mm x 610mm allowing the chunkiest of feed.

- **Vibrating feeder**
  The vibrating feeder helps feed the material into the crusher preventing blockages.

- **Highly transportable**
  Easy transport from site to site.
## SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Weight</td>
<td>20,000Kg</td>
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<tr>
<td><strong>POWER UNIT</strong></td>
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<tr>
<td>Engine</td>
<td>CAT C4.4 129kw (172HP) EU Stage IV or V, EPA Tier 3 or 4F</td>
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<td><strong>VIBRATING FEED HOPPER</strong></td>
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<tr>
<td>Capacity</td>
<td>2m³</td>
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<tr>
<td>Feeding Height</td>
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<td>1,977mm</td>
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<tr>
<td>Feeding Length</td>
<td>3,865mm</td>
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<tr>
<td>Integrated Pre-Screen</td>
<td>1,000mm x 700mm</td>
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<td><strong>IMPACT CRUSHER</strong></td>
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<tr>
<td>Inlet opening size</td>
<td>810mm x 600mm</td>
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<tr>
<td>Rotor Width</td>
<td>750mm</td>
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<tr>
<td>Rotor Diameter</td>
<td>800mm</td>
</tr>
<tr>
<td>Rotor Speed</td>
<td>600 - 700 RPM</td>
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<tr>
<td><strong>POST SCREEN</strong></td>
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<tr>
<td>Length</td>
<td>3,180mm</td>
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<tr>
<td>Width</td>
<td>1,125mm</td>
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<td><strong>MAIN FINES CONVEYOR</strong></td>
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<tr>
<td>Width</td>
<td>900mm</td>
</tr>
<tr>
<td>Stacking Height</td>
<td>2,900mm</td>
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<tr>
<td><strong>OPERATING DIMENSIONS</strong></td>
<td></td>
</tr>
<tr>
<td>Operating Width</td>
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<tr>
<td>Operating Length</td>
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<td>Operating Height</td>
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<td><strong>TRANSPORT DIMENSIONS</strong></td>
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<td>Transport Width</td>
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<td>Transport Length</td>
<td>9,438mm</td>
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<tr>
<td>Transport Height</td>
<td>2,539mm</td>
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## OVERVIEW

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Weight</th>
<th>Hopper</th>
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<tbody>
<tr>
<td>150 tph</td>
<td>20,000 kg</td>
<td>2 m³</td>
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</tbody>
</table>

**Applications**

Proven across New Zealand and the world in various applications including but not limited to:

- Aggregates
- Concrete
- Rubble
- Asphalt
- Stone
- Roadbase

**Operation Mode**

**Transport Mode**
CRUSHERS

CONE CRUSHER

PORTAFILL MC-8

The ideal unit for smaller quarries and contractors within New Zealand who are seeking to produce a specified material. This secondary crusher paired with the Portafill MC-8 makes for an ideal 1-2 crushing unit, add the after screen and return conveyor and produce any spec material required, from M4 to roading chip.

Key Benefits

Metal detector
Unwanted metal is found to prevent entering the crushing chamber and therefore damaging it.

Magic eye feed control
Feeder is controlled by magic eye fitted over the crusher to ensure feed is kept at the optimum level getting the best out of your setup.

Easy Change Wear Parts
Change wear parts quickly and easily with the MC-8’s practical and simple design.

Hydraulic Folding Hopper Sides
Fold over and unfold the Hopper walls for added room or to direct feed from another machine or to transport.

Radio Remote Control
Start, stop, track and adjust crushing parameters with the wireless remote.

Highly transportable
Easy transport from site to site.
Applications

Proven across New Zealand and the world in various applications including but not limited to:

- RAP Recycling
- Limestone
- Aggregates

OVERVIEW

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Weight</th>
<th>Hopper</th>
</tr>
</thead>
<tbody>
<tr>
<td>165 tph</td>
<td>23,800 kg</td>
<td>4.5 m³</td>
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</tbody>
</table>

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Operating Weight</th>
<th>23,800Kg</th>
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</thead>
</table>

POWER UNIT

<table>
<thead>
<tr>
<th>Engine</th>
<th>CAT or Volvo, 129kw</th>
</tr>
</thead>
</table>

FEED HOPPER

- Capacity: 4.5m³
- Feeding Height: 2,630mm
- Feeding Width: 3,190mm
- Belt Feeder Width: 1,000mm

CONE CRUSHER

- Max Feed Size: a: 160mm, b: 100mm, c: 65mm, d: 35mm
- C.S.S. Settings: a: 20-35mm, b: 9-25mm, c: 5-25mm, d: 4-20mm
- Capacity: Up to 165 tph

MAIN CONVEYOR

- Width: 900mm
- Stacking Height: 2,800mm

OPERATING DIMENSIONS

- Operating Width: 3,400mm
- Operating Length: 12,800mm
- Operating Height: 3,650mm

TRANSPORT DIMENSIONS

- Transport Width: 2,290mm
- Transport Length: 10,560mm
- Transport Height: 3,000mm
DE-WATERING SYSTEM

PORTAFILL DW-80

The Portafill range offers a complete wash system to meet the needs of small to medium size aggregate producers. The Portafill DW-80 unit is a single bucket wheel with a sand screw and comes complete with its own power unit and water pump - giving you a complete washing solution when paired with a Portafill wash screen.

Key Benefits

- **Bucket wheel**
  A compact bucket wheel removes the fine material from the water completing the dewatering process.

- **Screw**
  The 940mm diameter by 2,123mm long sand screw ensures less sand is wasted and sent to the settling ponds.

- **Water Tanks**
  A good size 2.8m³ water tank allows for plenty of room for the sand to settle, floating off the excess water.

- **Pump and power unit**
  This makes it a complete solution, meaning you don’t need any extra power unit.

- **Bucket wheel**
  A compact bucket wheel removes the fine material from the water completing the dewatering process.
OVERVIEW

Capacity    Weight    Hopper
40-50 tph   3,300 kg   2.8 m³

SPECIFICATIONS
Operating Weight  3,300 kg

POWER UNIT
Coupled onto suitable primary machine or power pack/pump

WATER TANK
Capacity  2.8 m³

SCREW
Diameter  940 mm
Length  2,123 mm

BUCKET WHEEL
Diameter  2,360 mm
Width  750 mm
Number of Buckets  20
Mesh size in Buckets  748 x 274 mm

SAND CONVEYOR
Width  750 mm
Stacking Height  2,388 mm

OPERATING DIMENSIONS
Operating Width  1,686 mm
Operating Length  9,897 mm
Operating Height  2,516 mm

WATER PUMP SPECIFICATIONS
Operating Weight  1,100 kg

POWER UNIT
Engine  Deutz D2011 L04I

PUMP
Capacity  up to 4,000 L/min
Water reservoir for priming suction line

DIMENSION
Width  1,112 mm
Length  2,708 mm
Height  1,387 mm

Applications
• Sand

Operation Mode

Transport Mode
McCloskey Washing Systems is a leading player for providing equipment to the Materials, Mining and Minerals Industry. They are focused on delivering the highest quality and highly productive products to their customers.

McCloskey Washing Systems, a division of McCloskey International are committed to developing class-leading innovative and efficient production equipment to assist customers in meeting their requirements.

A significant investment in people and facilities means that only the very best, highly motivated individuals are selected to work for our customers. Operating in more than 100 countries, MWS is the obvious choice to be the preferred partner in delivering the Modular, Mobile and Static washing systems across the globe.

McCloskey Washing Systems has an excellent reputation in the international market. As a business with a rich heritage, their company mission is to be the no one provider of reliable and highly productive equipment to the Materials and Minerals Washing industry.
RINSER
SAND PLANT
WASHING PLANT
McCloskey Washing Systems S130 and S190 Mobile Rinsers are incredibly adaptable and high-capacity mobile washing units. Available as a tracked or wheeled unit, the S130 and S190 3 deck comes complete with three side conveyors and split catchbox for up to 3 grades of aggregate and two grades of sand. The S130 and S190 Rinsers’s fast set up and relocation abilities, make it ideal for contractors and hire fleets. Also, as two machines in one, the Rinsers can be easily converted to dry screen mode.

**Key Benefits**

32 spray bars
Eight independently controlled spray bars on each deck, delivering two bar/29psi of water pressure to each nozzle.

Huge Decks
It can be configured with two or three decks with a massive 18.6m² of screening area on the triple deck screen.

Hydraulically Adjustable Catch Box
Adjust the catch boxes position hydraulically for easier access to meshes for screen changes.

High Capacity Hopper
A 10m³ Hopper allows a lot of material to be fed into the S130 and processed without the screen running dry.

Radio Control
Adjust screening functions and start and stop the screen on the fly and from within the Excavator or Loader.

Sand Out Put
Water, waste and sand exits through the output.
### Overview S130

<table>
<thead>
<tr>
<th>Component</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screen Area</td>
<td>6.5 m²</td>
</tr>
<tr>
<td>Weight</td>
<td>27,200 kg</td>
</tr>
<tr>
<td>Hopper</td>
<td>10 m³</td>
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</tbody>
</table>

### Specifications S130

<table>
<thead>
<tr>
<th>Component</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Weight</td>
<td>27,200 Kg</td>
</tr>
<tr>
<td><strong>Power Unit</strong></td>
<td></td>
</tr>
<tr>
<td>Engine</td>
<td>CAT 4.4 - 98 Kw</td>
</tr>
<tr>
<td><strong>Feed Hopper</strong></td>
<td></td>
</tr>
<tr>
<td>Capacity</td>
<td>10 m³</td>
</tr>
<tr>
<td>Feeding Height</td>
<td>3,100 mm</td>
</tr>
<tr>
<td>Feeding Width</td>
<td>2,400 mm</td>
</tr>
<tr>
<td>Feeding Length</td>
<td>3,450 mm</td>
</tr>
<tr>
<td><strong>Belt Feeder</strong></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>1,050 mm</td>
</tr>
<tr>
<td>Angle</td>
<td>Hydraulically Adjustable</td>
</tr>
<tr>
<td><strong>Screen Box</strong></td>
<td></td>
</tr>
<tr>
<td>Top Deck</td>
<td>4,270 mm x 1,524 mm</td>
</tr>
<tr>
<td>Middle Deck (3 deck only)</td>
<td>4,270 mm x 1,524 mm</td>
</tr>
<tr>
<td>Bottom Deck</td>
<td>3,660 mm x 1,524 mm</td>
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<tr>
<td><strong>Left and Right Conveyors</strong></td>
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</tr>
<tr>
<td>Width</td>
<td>800 mm</td>
</tr>
<tr>
<td>Stacking Height</td>
<td>4,600 mm</td>
</tr>
<tr>
<td><strong>AUXILIARY CONVEYOR</strong></td>
<td></td>
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<tr>
<td>Width</td>
<td>500 mm</td>
</tr>
<tr>
<td>Stacking Height</td>
<td>4,700 mm</td>
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<tr>
<td><strong>Operating Dimensions</strong></td>
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<td>Operating Width</td>
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<td>16,520 mm</td>
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<tr>
<td><strong>Transport Dimensions</strong></td>
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<tr>
<td>Transport Width</td>
<td>2,900 mm</td>
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<tr>
<td>Transport Length</td>
<td>15,610 mm</td>
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<tr>
<td>Transport Height</td>
<td>3,400 mm</td>
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### Overview S190

<table>
<thead>
<tr>
<th>Component</th>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>Screen Area</td>
<td>9.3 m²</td>
</tr>
<tr>
<td>Weight</td>
<td>36,500 kg</td>
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<tr>
<td>Hopper</td>
<td>10 m³</td>
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### Specifications S190

<table>
<thead>
<tr>
<th>Component</th>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>Operating Weight</td>
<td>36,500 Kg</td>
</tr>
<tr>
<td><strong>Power Unit</strong></td>
<td></td>
</tr>
<tr>
<td>Engine</td>
<td>CAT 4.4 - 98 Kw</td>
</tr>
<tr>
<td><strong>Feed Hopper</strong></td>
<td></td>
</tr>
<tr>
<td>Capacity</td>
<td>10 m³</td>
</tr>
<tr>
<td>Feeding Height</td>
<td>3,100 mm</td>
</tr>
<tr>
<td>Feeding Width</td>
<td>2,400 mm</td>
</tr>
<tr>
<td>Feeding Length</td>
<td>3,450 mm</td>
</tr>
<tr>
<td><strong>Belt Feeder</strong></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>1,050 mm</td>
</tr>
<tr>
<td>Angle</td>
<td>Hydraulically Adjustable</td>
</tr>
<tr>
<td><strong>Screen Box</strong></td>
<td></td>
</tr>
<tr>
<td>Top Deck</td>
<td>6,100 mm x 1,524 mm</td>
</tr>
<tr>
<td>Middle Deck (3 deck only)</td>
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</tr>
<tr>
<td>Bottom Deck</td>
<td>5,490 mm x 1,524 mm</td>
</tr>
<tr>
<td><strong>Left and Right Conveyors</strong></td>
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<tr>
<td>Width</td>
<td>800 mm</td>
</tr>
<tr>
<td>Stacking Height</td>
<td>5,100 mm</td>
</tr>
<tr>
<td><strong>AUXILIARY CONVEYOR</strong></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>4,700 mm</td>
</tr>
<tr>
<td>Stacking Height</td>
<td>6,500 mm</td>
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<tr>
<td><strong>Operating Dimensions</strong></td>
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<tr>
<td>Operating Width</td>
<td>3,220 mm</td>
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<tr>
<td>Operating Length</td>
<td>18,200 mm</td>
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<td><strong>Transport Dimensions</strong></td>
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<td>2,900 mm</td>
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<tr>
<td>Transport Length</td>
<td>18,450 mm</td>
</tr>
<tr>
<td>Transport Height</td>
<td>3,400 mm</td>
</tr>
</tbody>
</table>
The McCloskey Compact Sand Plant (CSP) range enables superior separation efficiency from the final washed sand product, producing in-spec sands to your desired grade.

These plants have been designed with an absolute focus on the machine operator. In addition to the highest level of quality and performance, significant benefits include simple and fast assembly times, ease of operation, low maintenance and an overall reduced footprint.

Each CSP is individually tailored to suit any application regardless of desired tonnage, from 20tph-250tph, or silt percentage in the feed material.

**Easy Accessibility**
The CSP 120 has wide walkways along the side and rear of the screen and cyclone allowing easy monitoring of the plant and particularly the underflow. This allows operators to safely view areas of the machine and make adjustments without leaning over areas to see components and production.

**Main Tank**
- Access hatch
- Self regulating
- LH/RH Drain valve
- Anti turbulence cell
- Large access hatch for maintenance

**Walkways**
- Galvanised walkways & access steps
- 30 inch (760mm) wide walkways
- Side and back of screen walkways for maintenance

**Chasis**
Raised modular chasis for ease of cleaning

### Maximum Power Requirement

<table>
<thead>
<tr>
<th></th>
<th>60</th>
<th>120</th>
<th>200</th>
<th>250</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL KW</td>
<td>23.9</td>
<td>27.9</td>
<td>44</td>
<td>51</td>
</tr>
<tr>
<td>TOTAL HP</td>
<td>31.8</td>
<td>37.2</td>
<td>58.7</td>
<td>68.0</td>
</tr>
<tr>
<td>PUMP KW</td>
<td>18.5</td>
<td>15</td>
<td>7.5</td>
<td>30</td>
</tr>
<tr>
<td>PUMP HP</td>
<td>24.7</td>
<td>20</td>
<td>10</td>
<td>40</td>
</tr>
<tr>
<td>DEWATERING SCREEN KW</td>
<td>2 OFF 2.69</td>
<td>2 OFF 2.69</td>
<td>2 OFF 4.5</td>
<td>2 OFF 4.5</td>
</tr>
<tr>
<td>DEWATERING SCREEN HP</td>
<td>2 OFF 3.6</td>
<td>2 OFF 3.6</td>
<td>2 OFF 6</td>
<td>2 OFF 6</td>
</tr>
</tbody>
</table>
**Easy Setup**

This plant is quick and easy to set up, needing less than a day to install and start production of sands. Due to its simple design and transportable dimensions, this can be used by the sand production company that needs the ability to relocate.

---

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Category</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dry Weight</strong></td>
<td>11,000Kg</td>
</tr>
<tr>
<td><strong>POWER UNIT</strong></td>
<td></td>
</tr>
<tr>
<td>Engine</td>
<td>Three phase connection - 44 kW</td>
</tr>
<tr>
<td><strong>PUMP SYSTEM</strong></td>
<td></td>
</tr>
<tr>
<td>Pump</td>
<td>Warman - 30 kW</td>
</tr>
<tr>
<td><strong>HYDROCYCLONE</strong></td>
<td></td>
</tr>
<tr>
<td>Hydrocyclone</td>
<td>Single</td>
</tr>
<tr>
<td>Diameter</td>
<td>600mm</td>
</tr>
<tr>
<td>Throughput capacity</td>
<td>120 tph</td>
</tr>
<tr>
<td>Avg. Water Requirement</td>
<td>300 m³/h</td>
</tr>
<tr>
<td><strong>DEWATERING SCREEN</strong></td>
<td></td>
</tr>
<tr>
<td>Length</td>
<td>3,600mm</td>
</tr>
<tr>
<td>Width</td>
<td>1,500mm</td>
</tr>
<tr>
<td>Media</td>
<td>Polyurethane with Pin and Wedge</td>
</tr>
<tr>
<td><strong>LEFT AND RIGHT CONVEYORS</strong></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>800mm</td>
</tr>
<tr>
<td>Stacking Height</td>
<td>4,600mm</td>
</tr>
<tr>
<td><strong>AUXILIARY CONVEYOR</strong></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>500mm</td>
</tr>
<tr>
<td>Stacking Height</td>
<td>4,700mm</td>
</tr>
<tr>
<td><strong>OPERATING DIMENSIONS</strong></td>
<td></td>
</tr>
<tr>
<td>Operating Width</td>
<td>3,800mm</td>
</tr>
<tr>
<td>Operating Length</td>
<td>6,600mm</td>
</tr>
<tr>
<td>Operating Height</td>
<td>6,800mm</td>
</tr>
</tbody>
</table>
The AggStorm™150 is a modular designed plant to remove harsh, clay-bound material from natural and crushed gravel, stone and or feed that cannot be removed by rinsing or screening alone. AggStorm™ is an effective solution to be used in the aggregate and mining industries.

The AggStorm™ produces cleaner material at a faster rate. It consists of a trough and two spiral axles running in sync with exchangeable blades which intensively mix the feed material creating ‘stone on stone’ attention. The exchangeable blades come in various options including AR500 and Cast Manganese.

**Pipework**
- Pre-plumbed at factory
- Rubber lined pipework at wear points

**Log washer**
- Twin shaft log washer

**Trash screen**
8ft x 4ft (2.4m x 1.2m) linear vibrating dewatering screen for dewatering lights and trash contaminants from log washer.

**Sump tank**
- Integrated sump tank to collect discharged water & grit
- 100/100 slurry pump
- Fully rubber lined pipework
**Log washer Pre-screen**
- 12ft x 5ft (3.6m x 1.5m) linear vibrating prescreen to remove sand prior to logwasher
- Single and double grade sand options
- Isolated spray bars
- Rubber lined catch box and chute for wear and noise reduction

**Overview**

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Screen Area</th>
<th>Water Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 tph</td>
<td>11.2 m²</td>
<td>200 m³/h</td>
</tr>
</tbody>
</table>

**Specifications**

**Pre-screen**
- Length: 3,700mm
- Width: 1,500mm
- Motors: 2x 4.5 kW Invictus Motors
- Spray Bars: 5x Independent Spray Bars - 2 Bar Pressure

**AS150 Log Washer**
- Length: 3,700mm
- Width: 1,500mm
- Angle: 8°
- Spray Bars: 3x 50mm
- Pumps: 100/100mm Linatex/Warman
- Motors: Dual Gearbox Drive 2x 22 kW with isolators

**Trash Screen**
- Length: 1,820mm
- Width: 600mm
- Motors: 2x 3 kW Invictus Motors

**Sizing Screen**
- Decks: Triple Incline Sizing Decks
- Length: 2,700mm
- Width: 1,200mm
- Spray Bars: 1x Each Deck Mounted to Substructure

**Structure and Piping**
- Walkways: Galvanised - 760mm wide
- Structure: Mild Steel Modular Substructures
- Lining: Rubber chutes and Rubber Piping

**Operating Dimensions**
- Operating Width: 6,100mm (Without Conveyors)
- Operating Length: 15,300mm (Without Conveyors)
- Operating Height: 7,700mm (With Post Rinsing Screen)

**Power Requirement**
- Total kW: 100
- kVA Approx: 140

**Average Water Requirement**
- m³/h: 200

**Aggregate Rinsing Screen**
- 8ft x 4ft (2.4m x 1.2m) linear vibrating rinsing screen for rinsing aggregate prior to sizing screen
- Isolated spray bars
- Rubber lined catchbox and chute for wear and noise reduction

**Walkways**
- Full access to all areas of machine
- Galvanised walkways as standard
- 2.5ft (762mm) wide walkways
The SandStorm™ 620 offers outstanding performance producing up to 3 aggregates and two sand products. Its unique features deliver exceptional results with minimal maintenance and site work required.

Built with power and durability, SandStorm™ 620 design is unique and modern, delivering effective results.
**SPECIFICATIONS**

**FEED HOPPER**
- Capacity: 200 tph

**MAIN CONVEYOR**
- Width: 1,050mm

**RINSER SCREEN BOX**
- Decks: 2 or 3 Deck option
- Length: 6,100mm
- Width: 1,800mm
- Lining: Rubber
- Angle: 18°

**HYDROCYCLONES**
- Hydroclones: Single or Dual
- Lining: Linatex Rubber

**DEWATERING SCREEN**
- Length: 4,500mm
- Width: 1,800mm
- Media: Polyurethane with Pin and Wedge

**AGGREGATE CONVEYORS**
- Length: 11,300mm
- Angle: 18°
- Stockpile Capacity: 95m³

**SAND CONVEYORS**
- Length: 11,300mm
- Angle: 20°
- Stockpile Capacity: 440m³

**STRUCTURE AND PIPING**
- Walkways: Galvanised - 760mm wide
- Structure: Mild Steel Modular Substructres
- Lining: Rubber Chutes and Rubber Lined Piping

**OPERATING DIMENSIONS**
- Operating Width: 34,000mm
- Operating Length: 45,200mm
- Operating Height: 7,900mm

**POWER REQUIREMENT**
- Total kW: 148 - 172*
- kVA Approx: 258 - 300*

**AVERAGE WATER REQUIREMENT**
- m³/h: 450

---

**OVERVIEW**

**Feed/Hopper**
- Adjustable feeder and hopper door for consistent material feed
- Large capacity 15ft hopper 16yds³ (12m³)
- Radio controlled Tipping grid
- Grid spacing 4"
- Vibrating grid option
- Variable speed belt feeder

**Powerpack**
- Electric hydraulic powerpack 30kW (40Hp) for maximum control of feeder functions

**Aggregate E Conveyors 2 Or 3**
- 37ft (11.3m) aggregate conveyors
- Positioned to the left or right
- 18 degree incline
- Stockpile capacity 125yds³ (95m³)
- High quality polyurethane scraper

**Chute**
- Blending chute
- Chute rolls back for maintenance
HOW DOES IT WORK?
To accurately measure the volume and weight, Sensortechnik Optical Belt Conveyor Scale uses a volume data calculation to produce a 99.8% accurate result.

Smart Device Connected
The optical belt conveyor scale scans and measures the material in real-time, and wirelessly transmits the data to your smartphone or tablet.

From the device, you can set Customer and Material profiles, as well as configure scan settings. With the touch of a button, you can download, print or email your measurement results directly to your office or computer.

Forget to email or print your data results? No problem, the Sensortechnik unit will store a full year of data. Simply download to your smart device at any time.

Live Remote Monitoring
Receive your data measurements in Excel spreadsheets direct from the field; allowing you to review your site's production, see exactly when the equipment started, when it was down and address operation performance issues as they happen.

Your office team estimating costs for projects will receive specific data which provides a basis for more accurate bidding, ensuring you turn a profit for all your hard work.
Operations Management

Advantages

- Set Goals and production benchmarks
- Verify Equipment Productivity
- Know exactly when your equipment starts and stops each day
- Manage inventory control
- Increase operation profitability
- Manage multiple sites or remote sites

SPECIFICATIONS

SMARTPHONE

Weight: 172g
Dimensions: 127 x 70 x 16 (5" x 2 3/4" x 11/16"

PRINTER

Printer (Type H-55BT)
Weight: 350g (0.77 lbs)
Dimensions: 87 x 110 x 58 (3 7/16" x 4 5/16" x 2 13/16"

VOLUME SCANNER

Power: 24V DC +/- 20%, 5 A
Operating Temperature: -45°C (-49°F) to + 70°C (158°F)
Dimensions: Standard sizes range from 24" up to 78" belt widths
Com-Ports: Var 1: RS-422 (4 line)
Var 2: Bluetooth (class 1)
Var 3: Analog output (4-20mA) "Optional"
Measuring rate: 200 frames / second
Storage capacity: Production data over 1 year

ADJUSTABLE HOLDING FRAME

Accommodates Scale size range from 24" up to 78" belt widths
Powder coated steel frame easy mount and dismount (Fixed with only 4 bolts)

www.equip2.co.nz
HELPING QUARRY OWNERS ENHANCE PRODUCTIVITY, FINANCIAL PERFORMANCE AND REDUCE RISK.
HIGHLIGHT CONTENT

72  SERVICING AND SUPPORT
74  PARTS AVAILABILITY
76  SERVICE
Keestrack-er Remote Monitoring

Keestrack's unique Keestrack-er system allows us to have full remote access to your fleet 24/7, which means we can quickly help you out with your machine in any way wherever it is in the world at a moment's notice – no waiting for a technician to drive or fly to your machine.

**CONTROL**
The Keestrack-er gives us total control of the machine from anywhere in the world.

**MONITOR**
We can know where your machine is and what it is doing 24 hours, seven days a week; we can also run remote diagnostic tests so we can identify an issue remotely.

**TEST**
We can remotely check machine parameters, run tests and receive real-time reports to help keep your machine running at optimum performance.

**SERVICE**
Remotely update all software, accurately plan maintenance and reduce your service time all from our offices.
SUPPORT

SERVICE EXCELLENCE IS WHAT REALLY MAKES EQUIP2 WHAT IT IS

We believe that the quality of our equipment and our sales team sells the first machine to the customer, but it is the After Sales backup that sells the subsequent machines to that customer. This level of support means we build solid, lasting relationships with our customers with many of our customers being with us since our beginning in 2009. With our technical and support team outnumbering our sales team by 4:1, this shows our dedication to helping our customers.

WHAT DEFINES OUR SERVICE EXCELLENCE?

1. Fast Response Time
   In the unlikely event of a break down it is our number one priority to get you back up and working with as little downtime as possible – we have even been known to charter aircraft to get things happening.

2. Training
   Training of your operators and team is vital to ensuring your machine is running at optimal performance at all time. Upon delivery of a new machine, we will conduct a 1-3 day induction with follow up training on the first 100-hour service.

3. Regular Servicing
   We can provide continuous servicing as an ongoing service, or we can build this into a dedicated support package specifically for you – this gives you the peace of mind that your machine will continue running smoothly day in day out.
SERVICE AND SUPPORT

Support that’s ahead of the game.

TECHNICAL EXPERTS

Equipment needs servicing and support. Unless your processing soft foam, parts will need serving, wear parts replacing and configuration changes based on specific applications.

Equip2 technicians are OEM and trade certified with real application experience to get machinery configured and running the way you want. We have a nationwide network of service agents and direct communication with our brands in Europe to find solutions to even the trickiest and stickiest of issues.

WE ARE THREE TIMES CLOSER TO YOU!

With our headquarters in Masterton, our support vehicles in Auckland and Christchurch as well as key service partners around New Zealand, Equip2 can supply immediate support upon the rare event of a breakdown!


OUR SERVICE COMMITMENT

Equip2’s Service, Parts and Support are second to none in the machine dealer industry in New Zealand and Oceania. We offer onsite inductions on all our machines, and we keep all the parts you need to keep it running effectively. We also offer fast and reliable support for equipment across New Zealand, all performed in-house by our technicians to manufacturer specifications. We don’t skimp on our service commitment to our clients.

PARTS AVAILABILITY

Overnight Shipping
From our centrally placed depot in Masterton, we are well located to offer overnight shipping to most areas in New Zealand. We keep in stock the necessary parts of running equipment and servicing them without having to wait for overseas suppliers and long shipping times. Keeping machines running with minimum downtime.

Authorised OEM Dealer
Equip2 is an authorised OEM dealer and parts supplier for our Machine brands. With expertise and knowledge to support any operation Equip2 can look after all parts requirements for the specified application and need.

Quality Machine Components
We understand the application’s machine are subjected to; Whether it’s environmental, difficult material or high wear product production we stock only the best components and wear parts to keep machines running optimally and get the highest output.

Nationwide Support
We have nationwide support coverage so that expertise is always available when it’s needed. We carry an extensive range of parts, consumables and specialist components that in the event of a breakdown we have what’s required in order to get production resumed.
PRODUCT SUPPORT:

- Overnight Delivery to all main centres
- Nationwide Network of service agents
- Parts range: we stock an extensive range of spare parts
- Worldwide: parts from Europe to your site within 5 – 7 days
Equip2’s extensive service network around New Zealand ensures we can supply immediate support upon the rare event of a breakdown. With our headquarters in Masterton, our dedicated support vehicle in Auckland and key service partners around the country, we are always just around the corner.