

ORWAKS PRODUCTS

Waste Compaction
product catalog



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OrwakBalers.com

 ORWAK®



ORWAK SOLUTIONS

Our compaction and baling solutions make a significant contribution to effective and efficient waste management, sustainable business practices, the well-being of employees, and compliance with environmental regulations. So although compacting and baling materials is about making something that's more into less, what we've learned over the years is that less also results in more benefits for our customers.

ORWAK BENEFITS

+ More productivity

Less time spent on waste handling means more time for the staff to concentrate on core activities.

+ More space & order

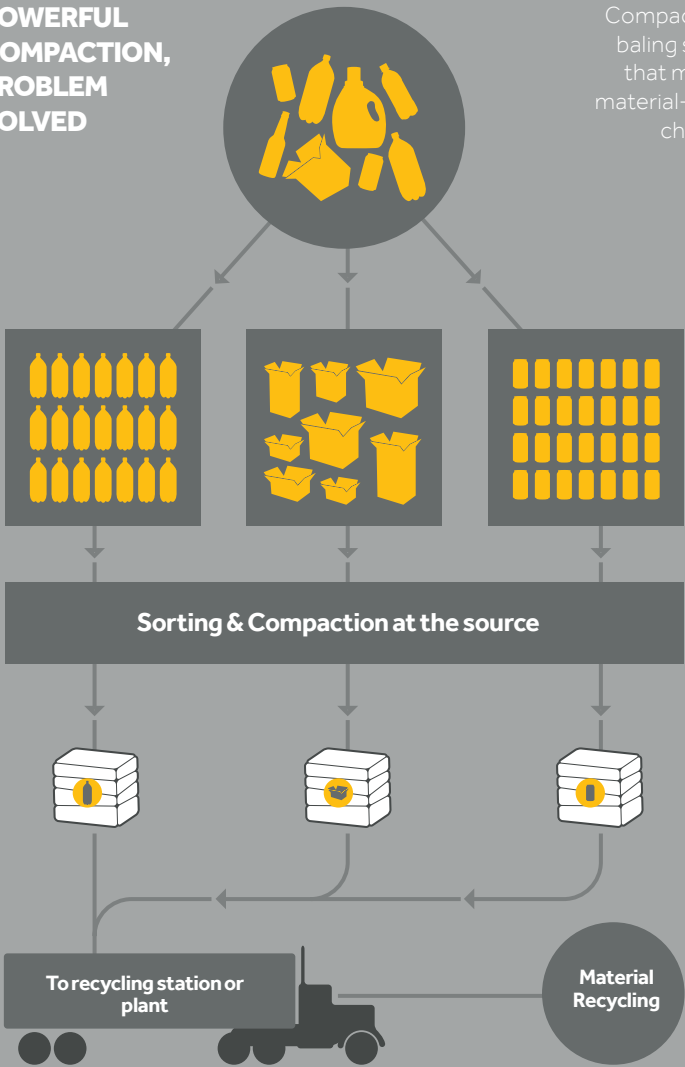
Highly compacted bales, bags or briquettes require much less space than loose waste. The volume reduction contributes to more productive use of space for stock-in-trade and production.

+ Less costs, more value

Compacted waste requires fewer waste pick-ups, which results in lower transportation costs and reduced CO₂ emissions. Sorting at source yields a higher quality of waste material for recycling.

POWERFUL
COMPACTION,
PROBLEM
SOLVED

Compaction and
baling solutions
that meet your
material-handling
challenges.



We are proud to present our comprehensive product portfolio that meets the demands of waste handling across multiple markets. From convenience stores, restaurants and boutiques to hypermarkets, factories and logistic centers our reliable, quiet and sophisticated compaction systems are designed to work for you! Whether it is behind the scenes or in front of your customers, we have the right size, capacity, functionality and design to fit your business and its needs.

PRODUCT FAMILIES

To facilitate identification and selection of the products, we have divided them into several product families, in which the members share similar traits and qualities in design and/or functions.





ORWAK COMPACT

A family of small but effective front-loaded balers, which produce light bales that are convenient to handle and transport. Thanks to the compact design, the balers provide rich placement opportunities and are ideal where space is limited.

PRESS FORCE: 8,800-26,400 lbs

BALE WEIGHT: (cardboard): up to 110-180 lbs

ORWAK POWER

This range of five dynamic front-loaded balers, featuring the innovative Black Star Technology, offers strong and powerful compaction of large volumes of waste into very dense bales.

PRESS FORCE: 40,700-114,640 lbs

BALE WEIGHT: (cardboard): up to 440-1100 lbs



ORWAK MULTI

The top-loaded double-chamber balers in the ORWAK MULTI-family are designed to enable sorting and compaction of different types of waste at source. They can easily be extended with additional chambers to form internal recycling points.

PRESS FORCE: 6,600-44,000 lbs

BALE WEIGHT: (cardboard): up to 110-440 lbs

ORWAK FLEX

The members of this family are strong and colorful individuals - each with its own unique qualities and distinct talents! The common denominator in the group is that they all offer special solutions to special waste-handling needs. In ORWAK FLEX you find our classic in-bag and in-bin applications as well as a solution for safe compaction of hazardous waste. All units are top-loaded and simple to use.



TOM – WORKS WELL UNDER PRESSURE



The little multitasker TOM is a new waste compaction system for public places with high foot traffic. Ideal locations are restaurants, cafés, food courts, airports, bus & train stations, theme parks, malls and shopping areas. TOM is about the same size as a conventional waste bin but can hold up to seven times as much waste. Featuring hands-free operation, it keeps your environment tidy, hygienic and inviting.



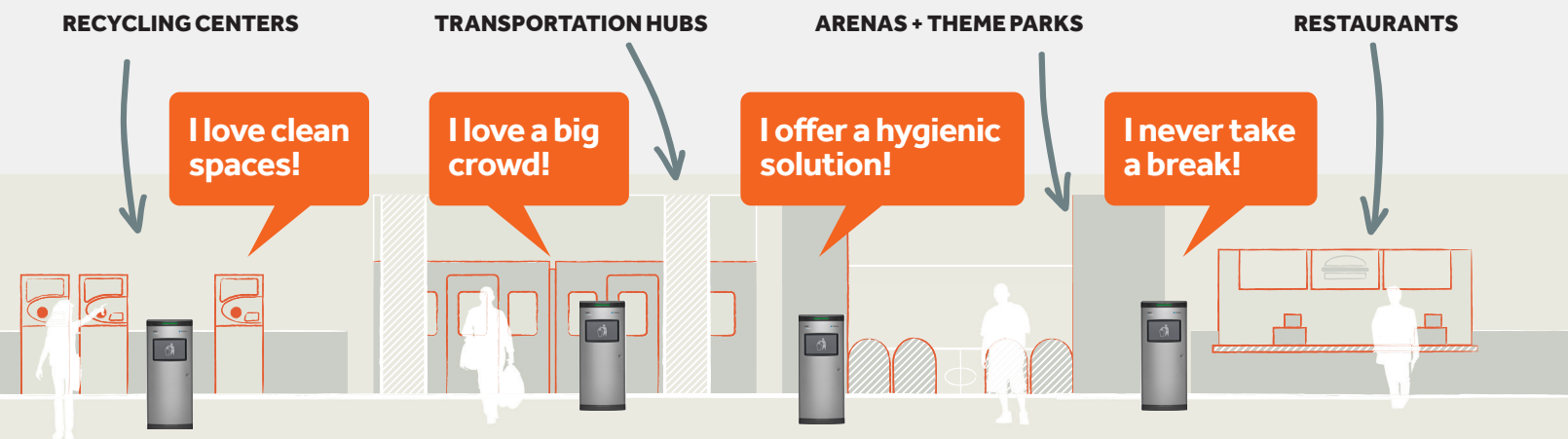
FEATURES:

- + Motion sensor activated automatic shutter
- + The shutter can be programmed to stay open during peak times
- + Smart self-adjusting setup for high and low traffic
- + Two versions of the bag compartment; empty from the front or the back
- + Quiet; operating at just 51 dB or less
- + Easy to customize in any brand's colors or design

BENEFITS:

- + Less bag switches means more productive use of time and space
- + Hygienic and convenient waste handling
- + Contributes to a tidy environment
- + Broad placement options; a stand-alone unit or built into a wall
- + Enables billboard style advertising

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Width	24"
Depth	29"
Height	4'9"-4'11"* (*adjustable feet)
Transport height	5'4" incl. pallet
Machine Weight	246 lbs

TOM IS OPTIMIZED FOR:

Mixed lightweight waste

ORWAK COMPACT

STRONG COMPACTION *ON THE SPOT*

ORWAK COMPACT earned its name thanks to its compact design. The small footprint in combination with the low height provides great flexibility and creates plenty of opportunities in choice of location. The balers fit where you need them to be!



ORWAK COMPACT is the right choice for companies with small to medium-sized volumes of recyclable packaging material and it offers effective volume reduction yet requires little space.



FEATURES:

- + Low-built and small footprint
- + Produces light bales
- + Autostart (3110 & 3115)
- + Material selector
- + Silent operation
- + The twins in the family, model 3110 & 3115, come in a modern design with transparent covers for the strap rolls and an easy-to-use panel featuring service and temperature indicators and buttons for bale size settings.

BENEFITS:

- + Effective compaction where space is limited
- + Easy waste transportation thanks to light-weight bales
- + Versatile waste handling – takes care of both paper and plastic



ORWAK COMPACT 3110

The small but tough and versatile baler is ideal for both cardboard and plastic.

Press force	Dimensions (HxWxD)	Transport height	Bale size	Bale weight (cardboard/plastic)	Cycle time
8,800 lbs	6'7"x34"x27"	6'7"	28"x20"x23"	up to 110 lbs/155 lbs	33 s

ORWAK COMPACT 3115

Offers a cross-binding function that gives a tight grip of the bale and is helpful when compacting soft plastic or small material fractions.

Press force	Dimensions (HxWxD)	Transport height	Bale size	Bale weight (cardboard/plastic)	Cycle time
13,200 lbs	6'7"x37"x31"	6'7"	32"x24"x23"	up to 130 lbs/190 lbs	33 s



ORWAK COMPACT 3210

Extremely fast with a cycle time of only 13 sec. Two bales from ORWAK COMPACT 3210 fit perfectly on one Euro pallet.

Press force	Dimensions (HxWxD)	Transport height	Bale size	Bale weight (cardboard/plastic)	Cycle time
26,400 lbs	7'1"x43"x34"	7'1"*	32"x24"x28"	up to 180 lbs/245 lbs	13 s

*5'10" mm stripped version.

**ORWAK COMPACT
IS OPTIMIZED FOR:**

PAPER

- + Cardboard
- + Shredded paper
- + Paper bags

PLASTIC

- + Plastic foil, plastic bags, plastic straps

METAL

- + Steel straps

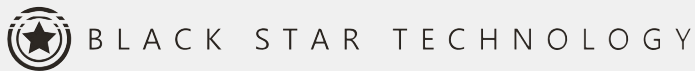
ORWAK POWER STRONGER, FASTER, SMARTER!

ORWAK POWER is a family of five dynamic high capacity balers that offer strong and powerful compaction of large volumes of waste into very dense bales.

ORWAK POWER is fueled by our Black Star Technology, an innovative hydraulic concept providing more strength and greater durability. The new concept has also enabled a more compact machine design due to the placement of the cylinders at the bottom instead of the top of the baler.

This makes the balers easier to transport and install in locations where the ceiling height is limited.

The POWER-balers are also faster, ready when you are, and they come with a PCB that provides many opportunities to stay in control and keep track of your compaction system and recycling.



FEATURES:

Innovative low-built design

Slight spherical press-chamber shape for optimal pressure distribution during compaction

The chambers are welded according to the ISO 3834 welding certificate, more commonly used in the automobile and heavy steel construction industries.

Autostart and gas-spring driven shutter that goes up in less than 2 seconds (3420, 3620 & 3820)

3320 and 3325 come with a regular pendulum door

A PCB with capacity for data storage, technical machine monitoring and is prepared for internal and external communication.

A user-friendly panel with bale, material selector, service and temperature indicators

BENEFITS:

Less down-time, more efficiency thanks to Black Star Technology

A long service-life

Easy transportation

Rich placement opportunities

Ability to keep track of performance

Safe working conditions due to fulfilled safety level D



**ORWAK POWER
IS OPTIMIZED FOR:**

PAPER

- + Cardboard
- + Shredded paper
- + Paper bags

PLASTIC

- + Plastic foil,
- plastic bags

ORWAK POWER 3320

It has the lowest installation height and produces the lightest bales in the ORWAK POWER-family. Perfect for environments with reduced ceiling height!

Press force	Dimensions (HxWxD)	Transport height	Bale size	Bale weight (cardboard)	Cycle time
40,700 lbs	6'6"x70"x39"	6'6"	47"x32"x45"	up to 440 lbs	26 s



ORWAK POWER 3325

Perfect for both cardboard and plastic but has especially good qualities for compaction plastic film.

Press force	Dimensions (HxWxD)	Transport height	Bale size	Bale weight (cardboard/plastic)	Cycle time
40,700 lbs	7'10"x70"x39"	6'6"	47"x32"x45"	up to 660 lbs/770 lbs	24 s

ORWAK POWER 3420

A versatile baler for large volumes of cardboard and plastic. It is very fast with a cycle time of only 24 seconds!

Press force	Dimensions (HxWxD)	Transport height	Bale size	Bale weight (cardboard/plastic)	Cycle time
57,320 lbs	7'10"x70"x39"	6'6"	47"x32"x45"	up to 900 lbs/1000 lbs	24 s



ORWAK POWER 3620

This is the real heavy-duty model for very large volumes of cardboard boxes. With 52 ton press force, it provides effective compaction of the material into dense bales with ideal dimensions for optimal transport logistics.

Press force	Dimensions (HxWxD)	Transport height	Bale size	Bale weight (cardboard)	Cycle time
114,640 lbs	8'2"x75"x41"	6'6"	47"x32"x45"	up to 1000 lbs	46 s

ORWAK POWER 3820

3820 has an extra generous loading gate for large boxes up to 60" wide.

Press force	Dimensions (HxWxD)	Transport height	Bale size	Bale weight (cardboard)	Cycle time
57,320 lbs	8'6"x82"x39"	6'6"	60"x32"x45"	up to 1100 lbs	24 s



ORWAK MULTI

ONE MACHINE, MANY TYPES OF WASTE



ORWAK MULTI is a range of top-loaded multi-chamber balers designed to facilitate sorting and compacting different types of material at source. The installation can easily be extended with additional chambers to grow in pace with your business and the multi-chamber solution can even form a mini-recycling station.

ORWAK MULTI 5070

Effective multi-chamber compaction in little space.

Press force	Dimensions (HxWxD)	Transport height	Bale size	Bale weight (cardboard/plastic)	Cycle time
6,600 lbs	7'1"x69"x35"	7'1"	28"x20"x28"	up to 110 lbs/180 lbs	36 s



ORWAK MULTI 5070-COMBI

Model 5070-COMBI gives you the opportunity to combine baling and in-bin compaction in the same machine. The bin chamber is designed for standard four-wheeled bins up to 175 gallon. The standard version comes with one baling chamber and one bin chamber but additional chambers can be added to the system.

Press force	Dimensions (HxWxD)	Transport height	Bale size	Bale weight (cardboard/plastic)	Cycle time
6,600 lbs	7'6"x101"x37"	7'6"	28"x20"x28"	up to 110 lbs/180 lbs	36 s



FEATURES:

- + Duo chambers as standard
- + Easy to add additional chambers
- + The top section slides effortlessly from one chamber to the next
- + Bale trolley included (5070 & 5070-COMBI)

BENEFITS:

- + Simple material loading is convenient and timesaving
- + Sorting and compaction of several waste types at source
- + The freedom to increase capacity by adding additional chambers at any time

ORWAK MULTI IS OPTIMIZED FOR:

PAPER

- + Cardboard
- + Shredded paper
- + Paper bags

PLASTIC

- + Plastic foil
- + Plastic bags
- + Plastic straps

METAL

- + Steel straps

OTHER

- + Bagged general waste (5070-COMBI only)
- + PET, plastic jugs, food and paint cans (5070-HDC + 9020 only)

ORWAK MULTI 5070-HDC

This heavy duty version of the standard 5070 is robust and versatile. It is prepared for cross-binding of the bales and deals with tough types of material like PET bottles, plastic jugs, food and paint cans.

Press force	Dimensions (HxWxD)	Transport height	Bale size	Bale weight (cardboard/plastic)	Cycle time
22,000 lbs	7'4"x69"x33"	7'4"	28"x20"x28"	up to 190 lbs/220 lbs	20 s



ORWAK MULTI 9020

High capacity version where the chambers allow for a lot of material.

Press force	Dimensions (HxWxD)	Transport height	Bale size	Bale weight (cardboard/plastic)	Cycle time
44,000 lbs	8'1"x98"x45"	7'9"*	47"x27"x31"	up to 440 lbs/660 lbs	35 s

* 6'3" stripped version.

ORWAK FLEX

DESIGNED TO STAND OUT *BUT FITS YOUR NEEDS*

A collection of special applications to meet special needs in waste handling and compaction. Compact mixed waste in a bag or bagged waste in a wheelie bin? Or are you searching for a combi-unit that is able to make bales and compact waste in bags? Or do you have hazardous waste, to be handled with care, that requires compaction in a steel drum for safety reasons? Our product family ORWAK FLEX delivers the solutions you are looking for!



FEATURES:

- + Versatile
- + Top-loaded
- + Simple to use
- + Small foot-print
- + Adaptable

BENEFITS:

- + Special solutions for special requirements

Model	Press force	Dimensions (HxWxD)	Transport height	Bale size	Bale weight (cardboard/plastic):	Cycle time
4110	6,600 lbs	8'2"x55"x69"	6'3"	–	–	32 s
5010-E	6,600 lbs	7'1"x35"x43"	7'1"	28"x20"x28"	up to 110 lbs/200 lbs	36 s
5030	6,600 lbs	6'5" (emptying position 8'9") x 30"x41"	7'1"	–	–	36 s
5030-NHD	6,600 lbs	7'2"x34"x51"	7'2"	–	–	36 s
5031	6,600 lbs	6'5" (emptying position 8'9") x 31"x40"	6'5"	28"x20"x28"	up to 90 lbs/130 lbs	36 s

ORWAK FLEX 4110

An in-bin compactor that suits standard bins from 175 to 290 gal.

- + Ideal for bagged general waste
- + Top loading with a generous loading aperture.
- + Based on an easy wheel-in, wheel-out operation.
- + Clever lifting device protects the bin wheels during compaction.
- + Safety and quality are our hallmarks, and the compactor provides maximum personal safety both for the operator and those in the immediate vicinity.



ORWAK FLEX 5010-E

A small but tough baler that requires little space. Feeding material into this top-loading baler is fast and convenient.

- + Impressive compaction ratio thanks to high pressure on a small surface.
- + Versatile application areas.



ORWAK FLEX 5030 THE NEW CLASSIC

This versatile, sturdy and easy-to-use in-bag compactor is ideal for mixed dry to partly wet waste.

- + Small foot-print
- + Hygienic handling of mixed waste.
- + Compaction ratio of up to 10:1
- + The bag is protected from damage during compaction by a steel drum.
- + Portable and easy to clean
- + Durable finish; critical parts of stainless steel



ORWAK FLEX 5030 NHD

Special version for safe compaction of hazardous waste (glass/cans/tins containing residual paint oil or chemicals) directly into drums.

- + Small foot-print
- + Sturdy design
- + Simple and safe transportation and disposal of chemical waste
- + A steel pallet is included for stable placement of the drum inside the compactor.



ORWAK FLEX 5031

Make a standard bale, compact waste in a bag and/or contain the bale in a plastic bag! The choice is yours! The same unit can do all those things for you.

- + Small foot-print
- + Compaction ratio of up to 10:1
- + Portable and easy to clean



**ORWAK FLEX IS
OPTIMIZED FOR:**

PAPER

- + Cardboard
- + Shredded paper (5010-E & 5031)
- + Paper bags

PLASTIC

- + Plastic foil
- + plastic bags
- + plastic straps

METAL

- + Steel straps (5010-E)
- + Food and paint cans (5030)

OTHER

- + Bagged general waste (4110)
- + General semi-dry waste (5030 & 5031)
- + Hazardous waste (5030-NHD)

TOP PERFORMANCE, THANKS TO ORWAK TECHNOLOGY

State-of-the-art technology is vital, but we don't stop there. Our mechanics, construction, and safety features are constantly being refined and improved to provide you with the best possible service.

MECHANICS - ISO 3834 STANDARD

Our machines are designed based on a material-optimized construction to distribute the load in the best possible way. The quality of the steel we use in our machines is carefully tested to endure high pressure and long-term wear without losing its original shape or qualities. And welding of the chambers is performed according to the ISO 3834 standard. Flux-cored arc welding is used, which results in a minimum of slag inclusions and grants for a perfect bonding of the metal components. This welding method doesn't require any pre-heating treatment that could result in material deviations or deformation. Furthermore, this process is spatter-free, providing a clean and even surface for the coating.

We generate and use precision-manufactured components by laser cutting and incorporating the latest bending technology. The finish is done using degreasing, iron phosphate, and PU coating that provides a durable, flexible, and corrosion-resistant surface. Polyurethane paint has excellent performance characteristics: adhesion, hardness, gloss, flexibility, and resistance to abrasion, impact, weathering, acids, and solvents.



HYDRAULICS

We design our hydraulic systems based on regenerative technology that reduces cycle time and minimizes energy consumption. For example, we use a pump in our balers that provides an even flow and results in low sound emission. Additionally, the hydraulics are electronically controlled— to avoid excessive wear-and-tear, the system only applies force when truly necessary.



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SAFETY

Safety—not only for the operator but for everyone in the vicinity of our machines—is of the utmost importance. So our machines feature built-in self-monitoring safety systems, two-hand maneuvering, monitored and coded safety switches, and “latch-and-wheel” door locks on all large balers for safe door opening when compacting expanding materials.

AUTOSTART

For fast and convenient loading of large volumes of material, the largest balers in our product range all have a sliding door that opens automatically after each press cycle. They’re also equipped with an autostart function, which allows the machine to start compacting the material as soon as the door closes.

SAY HELLO TO TOM

The newest addition to our product range, TOM, is the waste-management system for public spaces. TOM is equipped with radar and a motion sensor, so it detects when someone approaches and automatically opens its shutter for hygienic and absolutely hands-free disposal of litter. TOM is also programmed for a self-adjusting setup. Thanks to its built-in sensor, it can differentiate between a low- or high-traffic period and adjust its operating mode accordingly. In low-traffic periods (30 minutes or more without anyone approaching), TOM goes into sleep mode, keeping the waste under pressure to achieve an even higher compaction ratio.



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SOLUTIONS FOR MOST TYPES OF WASTE

Orwak designs, develops and produces an extensive range of baler and compactor solutions for effective compaction of many different types of waste to help you achieve your waste handling goals. We also offer a variety of accessories and on request special applications for challenging environments such as the marine and offshore segment.

A WIDE VARIETY OF WASTE MATERIALS CAN BE COMPACTED *INCLUDING THE FOLLOWING TYPES:*

- + Shredded paper
- + Rejects such as print trimmings
- + Paper and plastic bags
- + Bagged mixed waste
- + Plastic bottles and film
- + PET bottles
- + Aluminum cans
- + Diverse plastic containers
- + Steel and plastic bands
- + Metal drums
- + Production offcuts
- + Rejected cartons of beverages
- + Hazardous waste such as glass jars and cans/tins containing, e.g. oil, paint and other types of residual liquid chemicals.



MORE PROFITABLE WASTE MANAGEMENT



**CLEAN FRACTIONS OF HIGHLY COMPACTED
RECYCLABLE MATERIAL ARE VALUABLE. TURN
YOUR WASTE INTO A SOURCE OF INCOME!**



COMPACTION SOLUTIONS FOR MOST TYPES OF WASTE

ORWAK develops solutions for sorting and recycling waste materials that improve business efficiency, contribute to a cleaner working and natural environment to provide the best total waste handling economy.

We offer an innovative range of products that promotes sorting at source and make waste management more profitable.

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