



Machines | Technology | Services



**World-Class People Building World-Class Machines**



FAIRCHILD Robot  
LR Mate 200id

Sonick  
Packaging Equipment

# Why Schneider

With almost 50 years of industry problem-solving in end-of-line automation, Schneider Packaging Equipment Company, Inc. is a leading manufacturer of case packing and robotic palletizing solutions. Headquartered in Upstate New York, we design state-of-the-art machinery for customers in industries such as: food and beverage, dairy, pharmaceutical, personal care, plastics, and paper. To date, we have installed, and continue to support, over 3,500 world-class machines in some of the biggest manufacturing operations in the world. Driving solutions to address our customers' specific issues pushes us to constantly innovate our machines, software and ancillary services.

## MACHINES

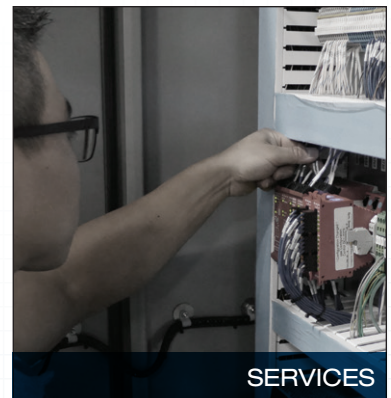
Schneider machines are designed for a long lifecycle ensuring your investment is protected. Every Schneider machine has been crafted by hand since our company was founded in 1970. Every weld, every turn of every screw is done with precision and passion. Your project has a dedicated project manager, giving you a single point of contact throughout the manufacturing process.

## TECHNOLOGY

Schneider has broadened its end-of-line product offering to add tools and software that were necessitated by industry and partner challenges—such as the growing need for quick changeovers, more transparency into how equipment is running and pallet pattern formations. Schneider patents and trademarks its solutions to ensure they can only be integrated into a Schneider machine.

## SERVICES

Keeping your machines running efficiently is essential to your operation. Our highly qualified service professionals and field service technicians are available 24 hours a day, seven days a week, to provide support for customer needs as quickly and effectively as possible.





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## Case Packers

At the core of the Schneider business is years of expertise taking your product and putting it into a case. Whether it comes to us in a bag, box, carton, pouch, roll or just about anything, we can pack it carefully and reliably.

Effective case packing begins with understanding your product. How does it fit together? How much empty space remains in the shipping case? What do I want my customer to see when they get my shipment? Let the collective expertise of over 150 years of Schneider engineering solve even the most complicated packaging challenges. We understand case packing better than anyone.



### **HORIZONTAL CASE PACKER**

More than ever, today's manufacturers demand flexibility and adaptability from their equipment, and the end of the line is no exception. The Schneider Horizontal Case Packer is intelligently designed to be versatile, intuitive and efficient, capable of accommodating RSC, HSC, Trays and Wraparounds. This cost-effective machine makes use of a combination of servo and air cylinder motion control to erect, load and seal your product in one compact system. Having the option of using regular slotted cases, half-slotted cases, trays or wraparound cases gives you flexibility and adaptability for future use.

### **HIGH SPEED HORIZONTAL CASE PACKER**

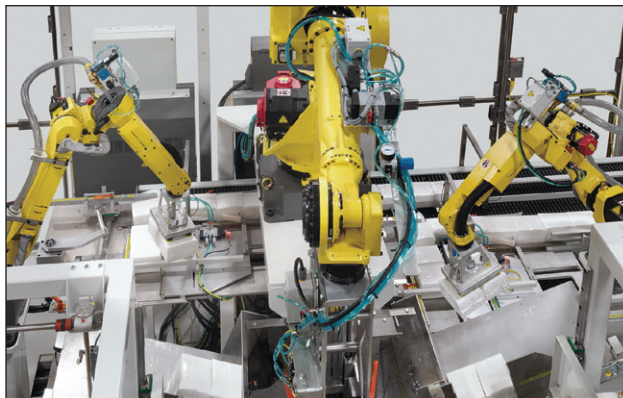
The Schneider High Speed Horizontal Case Packer has the versatility and convenience of a Horizontal Case Packer but at a higher speed. This machine is fast and flexible giving your company the freedom to innovate new packaging options without needing to worry about new case packing equipment. Taking up minimal space, this machine is fast and green, with our smallest energy footprint yet.





## VERTICAL BOTTOM LOADING (EVEREST) CASE PACKER

Loading your case from the bottom means never letting go of your product, handling it gently and is a conventional alternative to a "pick and place" system. The Schneider Vertical Case Packer features the industry's only modern, true bottom loader or modular robotic solution built to the highest quality standards and designed with flexibility in mind.



## ROBOTIC CASE PACKER

Using robotics to pick and place your product gives you a huge competitive edge. You can be flexible, adaptable and as fast as you need to be. Schneider Packaging has been installing robotics since 1994 and we're proud to offer a wide range of solutions to meet the needs of your project.



## GABLE TOP CASE PACKER

Designed for the dairy/juice industry, the Schneider Gable Top Case Packer is ideal for any application where gable cartons are packaged into corrugate cases. These case packers can be designed as horizontal or bottom-load and will pack half-gallon gable top cartons into corrugated containers.

Machines

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# Palletizers

Schneider incorporates FANUC robotics to create unique, flexible and simple palletizing solutions to meet your facility and production requirements. A wide range of factors come into play when looking at upgrading the end of your line to an automated, robotic palletizing system. Trust in Schneider's experience and the reliability of FANUC Robotics to engineer the right solution for your project.



## INTEGRATED PALLETIZER

From simple to complex palletizing environments, the Schneider Integrated Palletizer provides the appropriate approach to meet your rate and space goals. Varying degrees of automation can be achieved in this machine with components like conveyors, shuttle carts, and dispensers, while incorporating labelers, stretch wrappers, and other equipment. The Integrated Palletizer minimizes operator involvement through its smart design which saves on labor rates and boosts operational efficiency.

## FEATURES

- Multiple infeeds can be combined into individual or multiple palletizing cells with each robot responsible for multiple products giving enormous flexibility
- Systems are configured for your facility to work within the space available on your plant floor
- Complex end-of-arm tooling (EOAT), designed and built by Schneider, allows you to pick pallets, layer sheets and a variety of product SKUs without the need to changeover
- Schneider-built drag chain conveyors and pallet dispensers provide a completely automated solution



## MODULAR PALLETIZER (ROBOX)

The Schneider Modular Palletizer (Robox) is a modular, economical, portable palletizer offered in four base configurations. Also known as our “Robot-in-a-Box,” the Robox has a compact footprint design which easily adapts to changing layouts. There is no assembly required with the base model. Go from power-up to production in a short amount of time with the Schneider Robox at the end of your line.

### FEATURES

- Multiple products per pick enables a high throughput
- Customized end-of-arm tooling (EOAT) specifically designed to handle your product(s)
- Plug-and-play design allows you to move it, by forklift, where and when you need it
- OptiStak means no programming is required. The HMI is the only control necessary to set new pallet patterns or make adjustments for new products.
- Ships in a standard shipping container



Machines



# Machine Options

Product handling machines are at the core of the Schneider product line. To further achieve your automation goals, available machine options can be integrated into your existing line or added as options for your capital investment. Schneider can provide a wide range of in-house built systems and machines to complement your system, in addition to working with your preferred vendor or recommend a vendor to provide certain equipment.



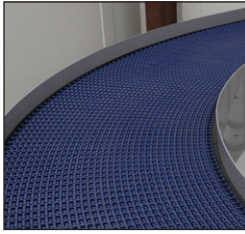
## ADD-A-PAL

The Schneider Add-a-Pal provides a single packer/palletizer solution in a minimal floor space environment. Utilizing a FANUC robot with a Schneider designed end-of-arm tool (EOAT), the Add-a-Pal can pick product, insert a slip sheet, stretch wrap, and palletize, as required by the customer.



## OVER/UNDER CONVEYOR

The Schneider Over/Under Conveyor is an automatic pallet exchange system allowing empty pallets to be safely introduced into a palletizing cell while simultaneously discharging the previous now full, unit load.



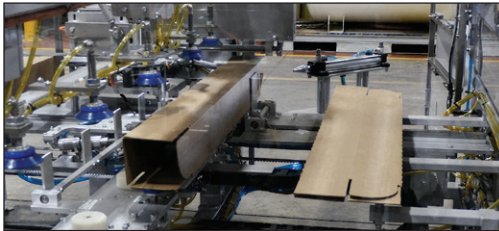
## CONVEYOR

Schneider builds our own conveying equipment to move product, pallets or materials from primary to secondary lines.



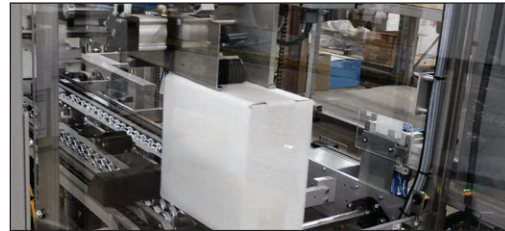
## HIGH SPEED LANER

The Schneider High Speed Laners collate product for the next stage in the production line.



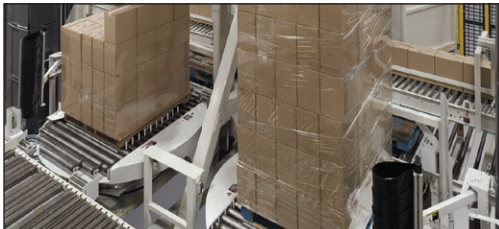
## ERECTOR

The Schneider Erector option is used for erecting a flat (knocked-down) corrugated case for loading by our Case Packer.



## CASE SEALER

The Schneider Case Sealer is designed to be smart and built to be durable. This option can seal with a variety of closure options.



## STACK AND WRAP

The Schneider Stack and Wrap is ideal for palletizing unstable product or for consolidating palletizing and stretch wrapping applications in one location.



## PALLET DISPENSER

The Schneider Pallet Dispenser is built for demanding palletizing environments. The design is an integrated pallet lift system that stores up to 20 pallets and 1,500 pounds.

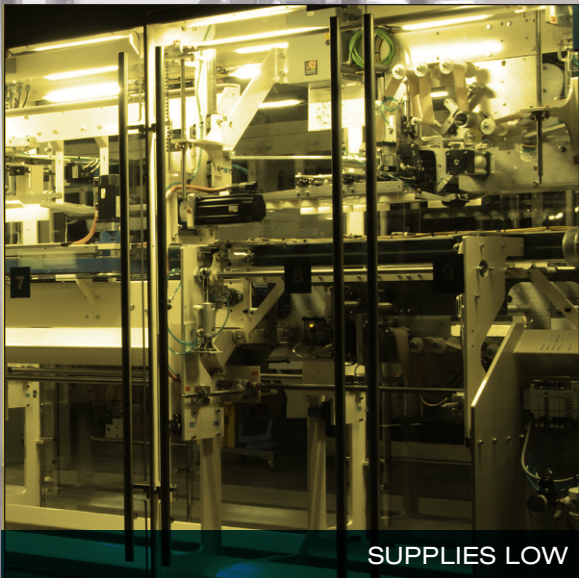




WITHOUT LIGHTING



IN PRODUCTION



SUPPLIES LOW



MECHANICAL ISSUE



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# Intelligent Illumination

While others rely on HMIs and stack lights to alert operators to machine condition, Intelligent Illumination™ proactively cues operators where attention is needed. With tasked-based lighting, Intelligent Illumination allows clear visibility to the machine's status without consulting the HMI.

- LED technology proactively cues operators where attention is needed with completely customize colors
- Task lighting illuminates the machine, allowing operators clear visibility to perform maintenance
- Allows operators to perform basic upkeep without consulting the HMI

## IDENTIFY AND SERVICE ISSUES WITHOUT CONSULTING THE HMI

- Low product level
- Low case magazine
- Jams
- Tripped safety circuits

## HOW IT WORKS

- The machine detects when attention is needed and immediately initiates the LEDs at that specific location to illuminate in a particular color.
- The color not only alerts the operator to the machine condition, but directs them to the precise area that needs attention.
- Once the operator has opened the guard door where the problem exists, the lighting within the machine turns to white task lighting, which allows proper visibility for the operator.
- When in production and the machine requires no immediate attention, the machine displays soothing blue LED lighting.

## WORKS WITH THE FOLLOWING SCHNEIDER MACHINES

Horizontal Case Packer

Integrated Palletizer

High Speed Horizontal Case Packer

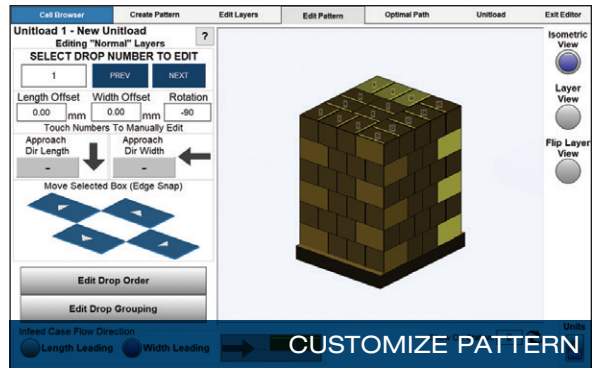
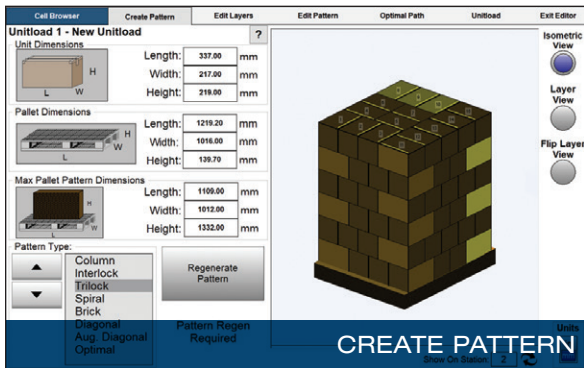
Modular Palletizer

Vertical Bottom Loading Case Packer

Robotic Case Packer

Gable Top Case Packer





# A NEW ERA OF PALLET GENERATION SOFTWARE

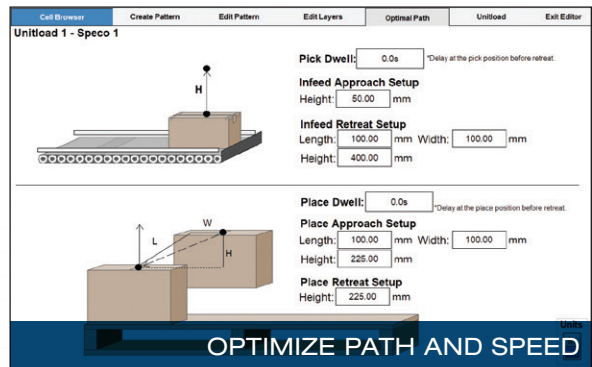
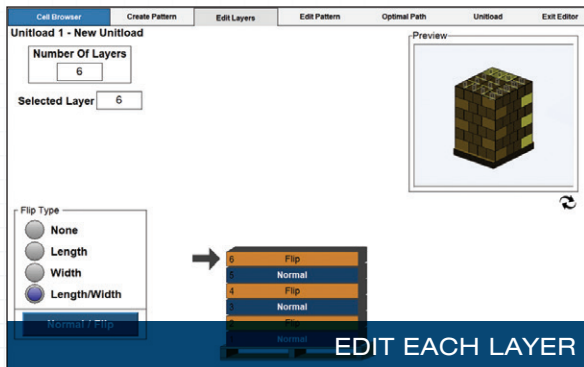
Change patterns on the fly

Optimize pallet configurations quickly

Adapt to changing product

Integrate with the FANUC PalletPRO allows for  
offline simulation

Easily add new products right at the machine



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# OptiStak

OptiStak, created by Schneider, is a seamless and simple palletizing software solution. This software meets the production requirements of virtually any industry or product. Your operators can change patterns on the fly, optimize pallet configurations quickly, and avoid changeover delays—directly from the HMI. Optimize ease of release and time to market for your new products with OptiStak.

- FANUC-based software
- Imports offline configurations
- Save on service trips to change pallet pattern

## BUILD OPTIMAL PATTERNS DIRECTLY FROM THE HMI

- Create optimal recipes with one click and without a laptop
- Customize pack patterns easily using the 3-D interface
- Keep your palletizer in production during changeovers

## HOW IT WORKS

- From the HMI enter the unit dimensions and pallet dimensions.
- Next, select a specific pattern type: column, interlock, trilock, spiral, brick, diagonal, augmented diagonal, or optimal.
- OptiStak will automatically choose the best pattern based on the dimensions entered.
- From here, customize each layer, modify the pattern, and optimize the path and speed.
- The OptiStak wizard is available to walk you through every stage of the process.
- Each recipe is then saved, stored, and can be copied for a new recipe—all from the HMI.

## WORKS WITH THE FOLLOWING SCHNEIDER MACHINES

Integrated Palletizer

Modular Palletizer







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# ProAdjust

ProAdjust® is an automated machine adjustment system featuring an easy-to-use hand-held interface driving power modules which make the adjustments.

Nearly every modern manufacturer is looking for a way to cut out waste, wasted time...wasted material...wasted inventory...wasted labor. ProAdjust minimizes your waste.

- Reduce lost production time wasted during machine adjustments
- Accurately adjust the machine to eliminate wasted product during changeover
- Make a greater number of changeovers in a single day, reducing raw material inventory and finished goods inventory
- Reduce the complexity of your machine adjustment procedure, allowing your maintenance and production staff to focus on proactive preventative maintenance or cleaning

**ProAdjust allows the changeover from one product to the next in a matter of minutes instead of hours, with a push of a button. The system utilizes a series of electric and air driven power packs to reposition machine components. All of the power packs provide absolute feedback to eliminate the possibility of an adjustment being out of tolerance.**

- Changeovers are fast, accurate, and repeatable.
- ProAdjust reduces lost production time wasted during machine adjustments.
- After a single setup with ProAdjust, changeover is done with a push of a button. Production staff doesn't need to physically attempt changeover going forward reducing the possibility of injury.
- ProAdjust allows you to make a greater number of changeovers in a single day reducing raw material inventory and finished goods inventory.
- Easy to integrate, ProAdjust can be bolted on new or existing equipment design as well as retrofitted to nearly any machine

## WORKS WITH THE FOLLOWING SCHNEIDER MACHINES

Horizontal Case Packer

High Speed Horizontal Case Packer

Vertical Bottom Loading Case Packer

Robotic Case Packer

Gable Top Case Packer





# THE SCHNEIDER DIFFERENCE

A man with glasses and a Schneider t-shirt is working on a robotic arm in a factory setting. The background shows industrial equipment and a glass safety enclosure. The text is overlaid on the image.

**Schneider**  
Packaging Equipment Co., Inc.

CUSTOM TRAINING

PREVENTATIVE MAINTENANCE

SPARE PARTS

UPGRADES AND CONVERSIONS



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## Why Schneider For Service

Our highly qualified service professionals and field service technicians are available 24 hours a day, 7 days a week, to provide support for customer needs as quickly and efficiently as possible.

Our field service technicians are highly skilled in all areas including electrical, mechanical, programming, and robotics. Many of our technicians are FANUC-Certified Service Engineers and are certified by PMMI to be professional trainers. They also maintain the highest level of technical skills through continuous vendor training, technical bulletins and in-house seminars. Our Service Team members regularly travel to customer sites for installations, standing up, servicing, and troubleshooting our machines.

Our Service Team is ready to support you with services including:

- 24/7 Technical Support
- PMMI Certified Trainer Program
- Machine Audits
- Safety Inspections
- Remote Access Diagnostics and Support
- Preventive Maintenance Program
- Production Run Support
- Technical Documentation

## Why Schneider For Parts

You can rely on our experienced Parts Team to:

- Identify and order genuine OEM replacement and spare parts at competitive prices
- Respond quickly to emergency part failures
- Develop customized, recommended spare parts list to minimize potential downtime
- Supply necessary product/parts documentation

### ONLINE REGISTRATION

Schneider Packaging Equipment commits to servicing every machine we sell. This includes providing you with the highest quality replacement parts to keep your Schneider machine running at peak performance.

Enroll on our online parts store at **[www.schneiderparts.net](http://www.schneiderparts.net)**. Search for the exact part you need, pay for it with your existing account with Schneider and have it shipped promptly.

*You will receive a 3% discount for every part you order online.*

**WE PROVIDE WORLD-CLASS PRODUCTS AND SERVICES TO MEET THE NEEDS OF OUR CUSTOMERS.**



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## Training Center

The Schneider Training Center provides you the opportunity to train on machinery in a controlled environment away from the distraction of the production floor.

Located at our headquarters in Brewerton, New York, our Training Center allows us to replicate real-world production and troubleshoot applications without slowing or stopping production lines. Through hands-on training, customers can learn technical skills they will be able to use with their Schneider machines and technology.

We feature a variety of machinery in our training center, from a scaled-down robotic palletizing cell to automation software and hardware. We have your needs covered to make your training at Schneider a success.

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# Training Packages

## ROBOTIC TRAINING

- Introduction to Schneider robotics
- General FANUC robotics
- Unit load creation using FANUC PalletPro and/or OptiStak
- Robot troubleshooting

## CUSTOMIZED FORMAL TRAINING

The Schneider Customized Formal Training package consists of in-depth classroom training, machine documentation review and hands-on training. Each training is customized to cover all aspects your company's machine and any requirements your personnel have.

### Included in your customized training

- Factory-trained technician
- Schneider Training Center can host a small class size to eliminate noise and outside distractions
- We cannot control the training environment at a customer's facility for on-location training
- Up to 25 customized training manuals and one digital copy of your personalized training presentation
- Operator training: 6–8 hours
- Maintenance training: 8 hours

## Operation Training Topics

- Safety
- Machine/system overview
- Sequence of operations
- Status indicators
- Operator control station (OCS)
- Robot controls, if applicable
- System start-up
- Alarm, error recovery procedure

## Technical Training Topics

- Identify problems and troubleshoot system
- Perform changeovers
- Blueprint documentation
- Manual overview
- Bill of material/recommended spare parts
- Periodic maintenance
- PLC/program

Not all aspects of the training topics may apply to your specific equipment. Prior to your training, a Schneider Service Team member will customize your training to ensure all aspects of your machine are covered. Assessment testing is not included in the development price.

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# Preventative Maintenance

At Schneider, we know that regularly maintaining equipment is key to its longevity. Our preventative maintenance programs are designed around regularly scheduled maintenance visits. The goal is to provide operational excellence by improving overall equipment effectiveness and minimizing downtime. These visits can be scheduled at any time and are offered with a 20% discount off the current field service rates without the requirement of a contract.

## When should you look at Preventative Maintenance?

If you notice a drop to 80% or below in operational efficiency.

If your machine has been operating more than one year without undergoing any internal preventative maintenance.

## Why Preventative Maintenance for robots?

Your robot should be maintained on an annual basis at a minimum. When properly maintained, FANUC robots will provide good, reliable and long-term service. Our Service or Upgrade and Conversion Team will advise you on a preventative maintenance schedule that is the best fit for your specific robot per the recommendations from FANUC.

## CASE PACKER PREVENTATIVE MAINTENANCE

- Visual inspection of all aspects of your machine to identify any prematurely worn parts, potentially failing or worn motors/cylinders and any loose electrical or pneumatic connections.
- Repair and tune-up as needed to bring your machine production levels back in line with its original capabilities and efficiency.
- Technician will update any documentation to reflect state of current machine including pneumatic and electrical prints and the bill of materials.
- Technician will review your spare parts inventory and provide recommendations to further safeguard from future unplanned downtime.
- Provide training for any operators who need it and brief the operations team on any newly available mechanical and software technologies.

## ROBOTIC/PALLETIZING PREVENTATIVE MAINTENANCE

- Purge and replace the grease in the robot axis
- Clean controller exhaust fans
- Replace robot position data backup battery and the robot controller memory backup battery
- Physical inspection of end-of-arm tool, checking for premature wear of any moving components or vacuum cups
- Review of alarm history to identify possible recurring problems
- Visual inspection of all aspects of the cell to identify any prematurely worn parts, potentially failing or worn motors/cylinders and any loose electrical or pneumatic connections
- Technician will review safety operations and make recommendations that may be applicable to keep the cell in line with current OSHA standards
- Technician will perform any operator training that may be necessary

**All maintenance functions are done in accordance with FANUC guidelines to ensure maximum operational efficiency.**





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## Upgrades and Conversions

Schneider world-class machines are built to last. During your machine's lifetime, it is likely your product/case size will change, and/or equipment enhancements will be developed by our engineering team. Either way, these upgrades or conversions will enhance your overall productivity and improve your bottom-line.

Our Team works with you to upgrade or convert your investment with minimal downtime or disruption. We will provide modification options that eliminate the need to invest in a new machine.

### **Please gather the following information to start the process:**

- Your Schneider machine serial number
- Geographical location of the machine
- Scope/Project document
- Case dimensions and drawings
- Target rate
- Pack patterns/TOPS drawings
- Timeline
- Samples

# HAVING A **BREAK** ISN'T A GOOD THING!

Eliminate downtime and avoid high cost of expedited shipping by having parts on hand!



Now is the time to plan for the future.  
Have parts when you need them.

***Order today by:***

**Phone:** 315 676 3035

**Email:** [parts@schneiderequip.com](mailto:parts@schneiderequip.com)

**Online:** [www.schneiderparts.net](http://www.schneiderparts.net)

***You will receive a 3% discount for every part you order online.***



WORLD-CLASS PEOPLE  
**BUILDING**  
WORLD-CLASS  
**MACHINES**



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