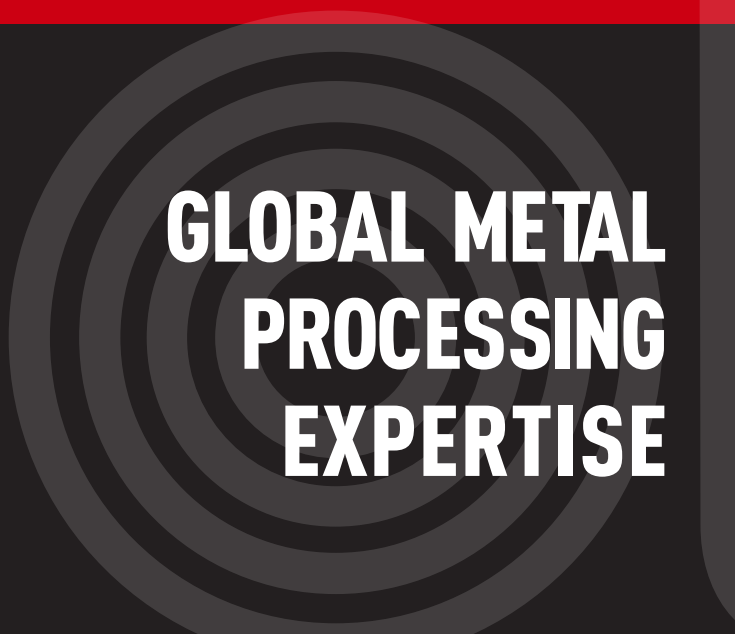




**WORLD-CLASS COIL AUTOMATION SOLUTIONS**

**AUTOMATIC FEED**

A NIDEC PRESS & AUTOMATION CO.



**GLOBAL METAL  
PROCESSING  
EXPERTISE**

## ABOUT US

Since 1949, Nidec Automatic Feed Company has been a leader in the manufacturing of leading edge, reliable equipment for automotive stamping OEMs and their suppliers throughout the world. Our coil processing solutions produce the surface quality, flatness and length accuracy demanded by today's industry standards. When it comes to pressroom automation solutions, Automatic Feed has the experience you can rely upon.

Located in Napoleon, Ohio, our 168,000 sq ft facility is conveniently situated in the Midwest United States. From our facility we provide design, mechanical and electrical engineering, fabrication, machining, assembly and inspection as well as 24-hour customer service to our customers.

Our company has grown due to extensive reinvestment, international business development and good labor relations. Over the years, we've built solid relationships with automotive OEMs and their Tier suppliers.

Across the industry we are recognized for our financial stability, and our world-class technology and service.

We strive to stay ahead of market trends by developing relationships and new technologies to help our customers succeed in their manufacturing strategies. We have both partner and affiliate companies that expand our reach and capability, enabling us to develop new solutions for the market without losing the focus on our core pressroom automation business.

Our specialty is the design and manufacture of leading technology in the areas of coil feeding, leveling, blanking, cut-to-length for high-production or space-constrained applications as well as blank washing and handling systems. Recently, Automatic Feed introduced a new aluminum stacking solution that can be retrofit to existing overhead magnetic belt lines. Whatever your coil processing situation, we can design a solution that meets your needs.



# ENGINEERING

Providing turnkey capability has been key to our success, starting with our innovative and experienced engineering team.

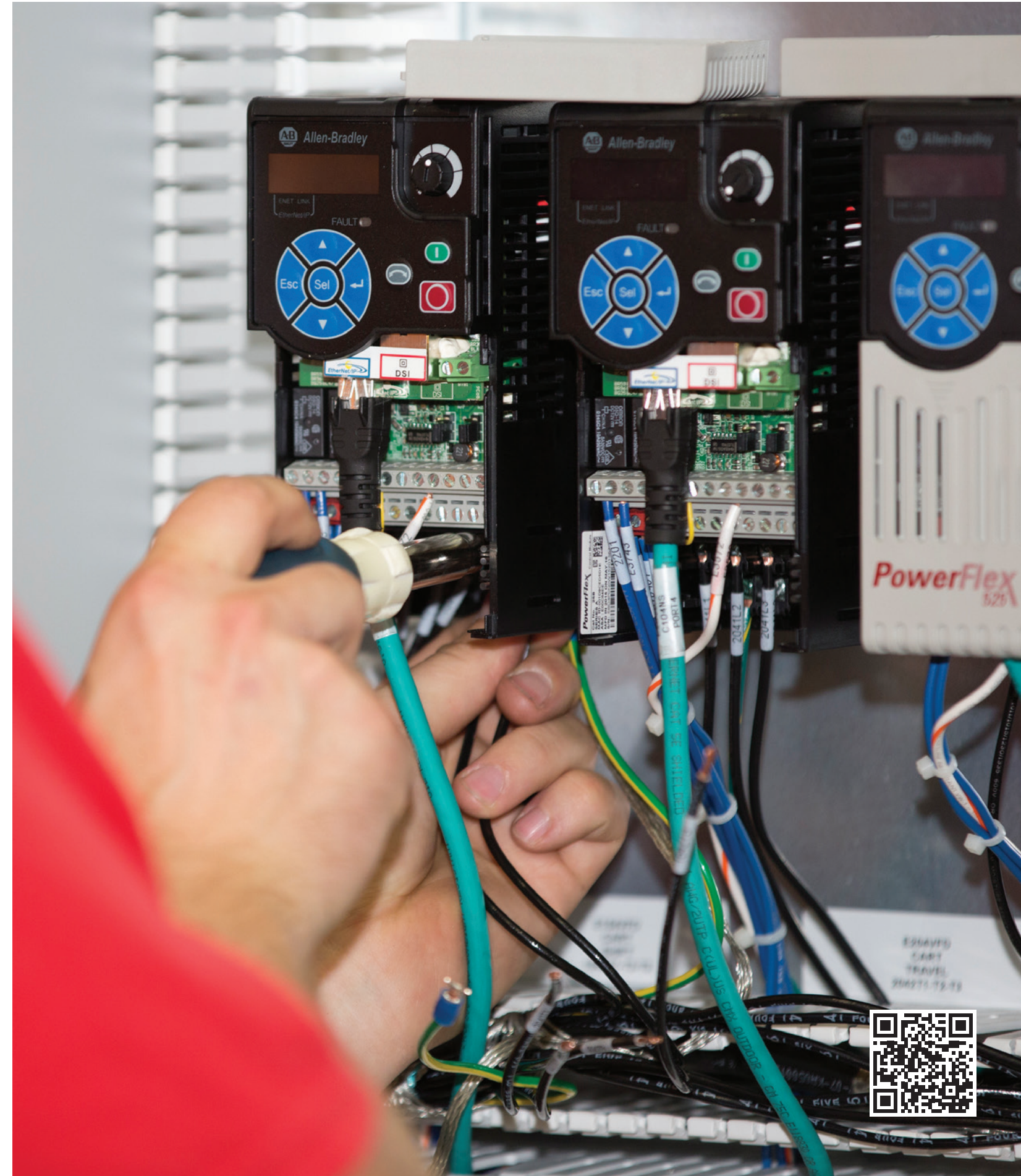
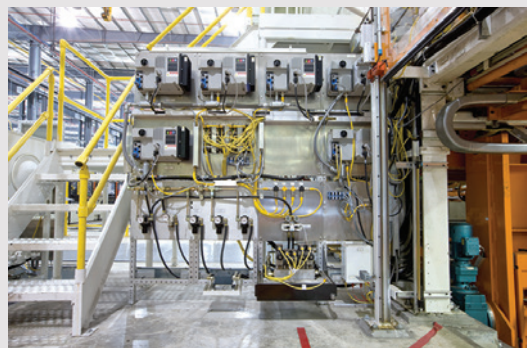
Automatic Feed provides complete design and engineering services — mechanical, electrical and software. Using state-of-the-art tools including 3D solid modeling and simulation, our expert team of engineers is committed to continuously improving our products and processes so that we can help you achieve your goals of lower costs, higher quality and improved time to market.

Through product standardization and modularity, we have dramatically reduced the design complexity and controls architecture of our coil handling and press feeding equipment. This boosts both efficiency and reliability while significantly reducing costs.

## SOFTWARE & CONTROLS

Our systems are segmented into standard, stand-alone sub-systems where choosing motors, cylinders, valves or other machine components is reduced to interchangeable commodities. This helps you specify components at a lower cost and with minimal impact on the overall process.

Automation Integration Manager (AIM) is Automatic Feed's Visual Basic operator interface. It can be comprised of various different "modules" or packages to fulfill your specific needs from the simplest Recipe Manager to a full blown Line Supervisor capable of helping you improve your processes.



# BUILT TO PERFORM



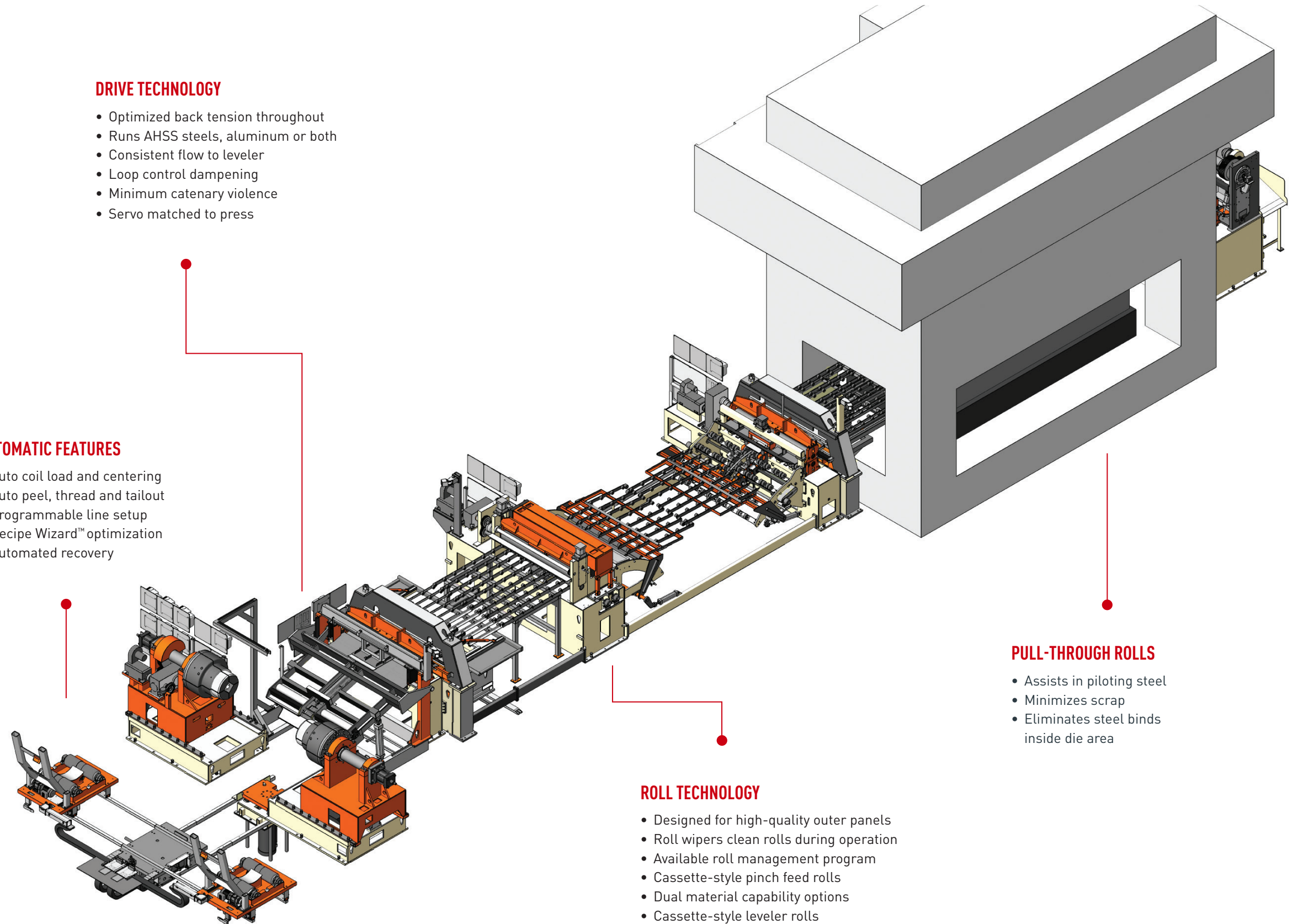
# PROGRESSIVE DIE LINE

## DRIVE TECHNOLOGY

- Optimized back tension throughout
- Runs AHSS steels, aluminum or both
- Consistent flow to leveler
- Loop control dampening
- Minimum catenary violence
- Servo matched to press

## AUTOMATIC FEATURES

- Auto coil load and centering
- Auto peel, thread and tailout
- Programmable line setup
- Recipe Wizard™ optimization
- Automated recovery



## PULL-THROUGH ROLLS

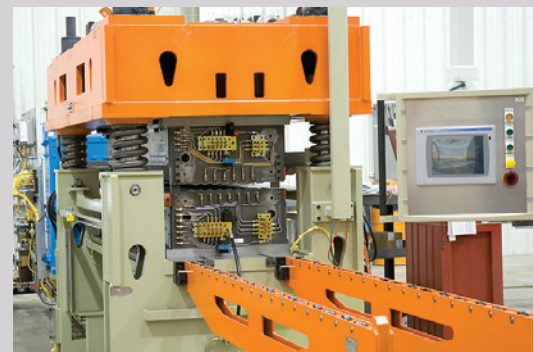
- Assists in piloting steel
- Minimizes scrap
- Eliminates steel binds inside die area

## ROLL TECHNOLOGY

- Designed for high-quality outer panels
- Roll wipers clean rolls during operation
- Available roll management program
- Cassette-style pinch feed rolls
- Dual material capability options
- Cassette-style leveler rolls
- Six-high roll capability

# CUT-TO-LENGTH LINE

## BUILT FOR SPEED

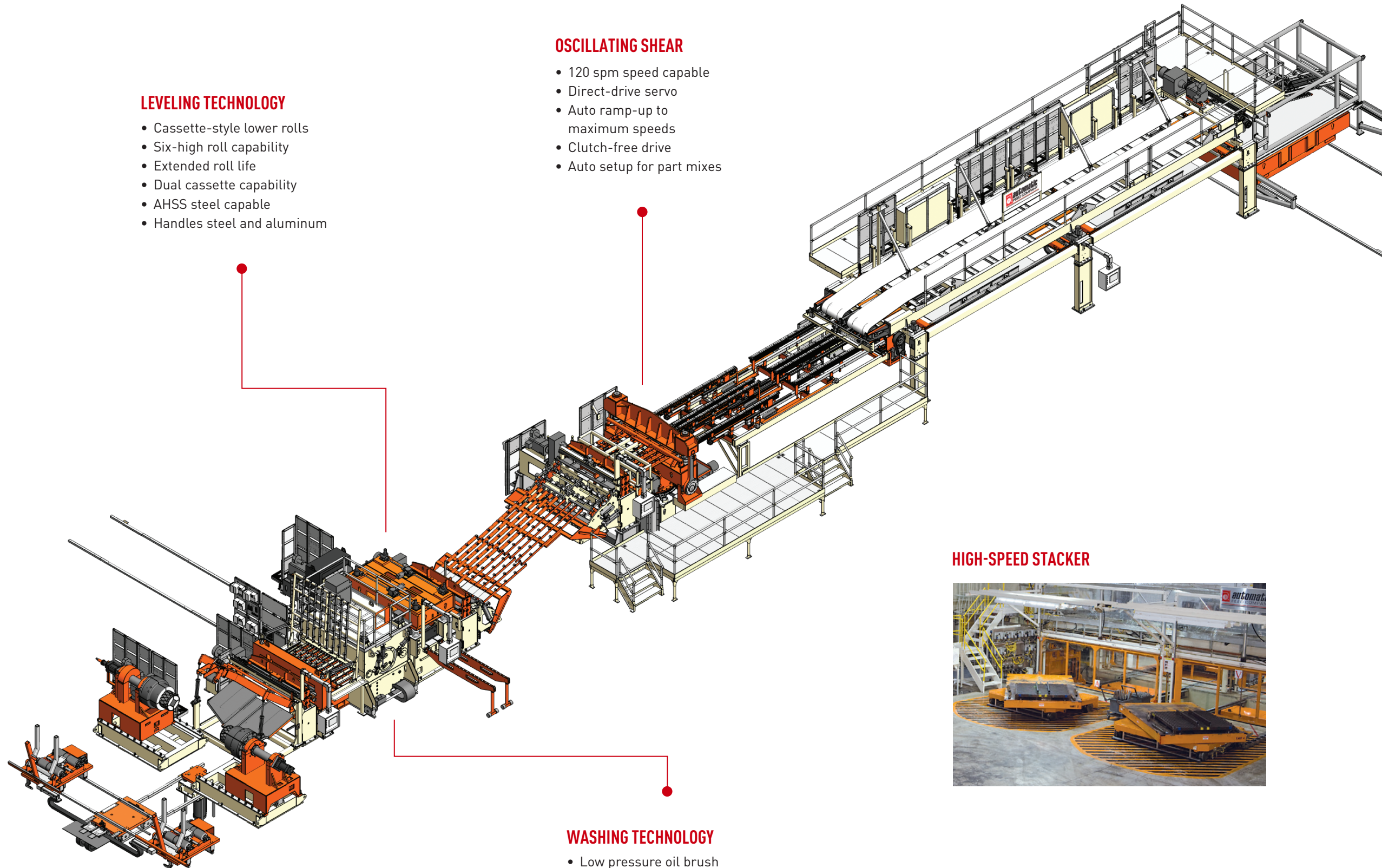


### LEVELING TECHNOLOGY

- Cassette-style lower rolls
- Six-high roll capability
- Extended roll life
- Dual cassette capability
- AHSS steel capable
- Handles steel and aluminum

### OSCILLATING SHEAR

- 120 spm speed capable
- Direct-drive servo
- Auto ramp-up to maximum speeds
- Clutch-free drive
- Auto setup for part mixes



### HIGH-SPEED STACKER

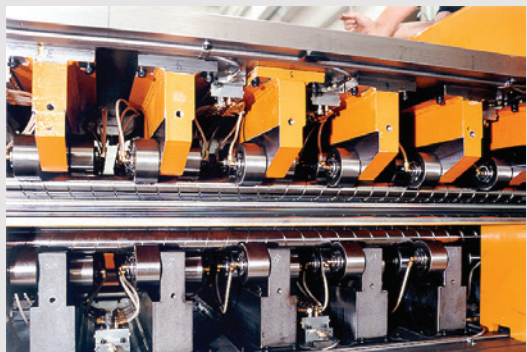


### WASHING TECHNOLOGY

- Low pressure oil brush
- High pressure hot water
- Optional electrostatic re-oiling
- Super clean; less finish work

# BLANKING LINE

## BUILT FOR RELIABILITY

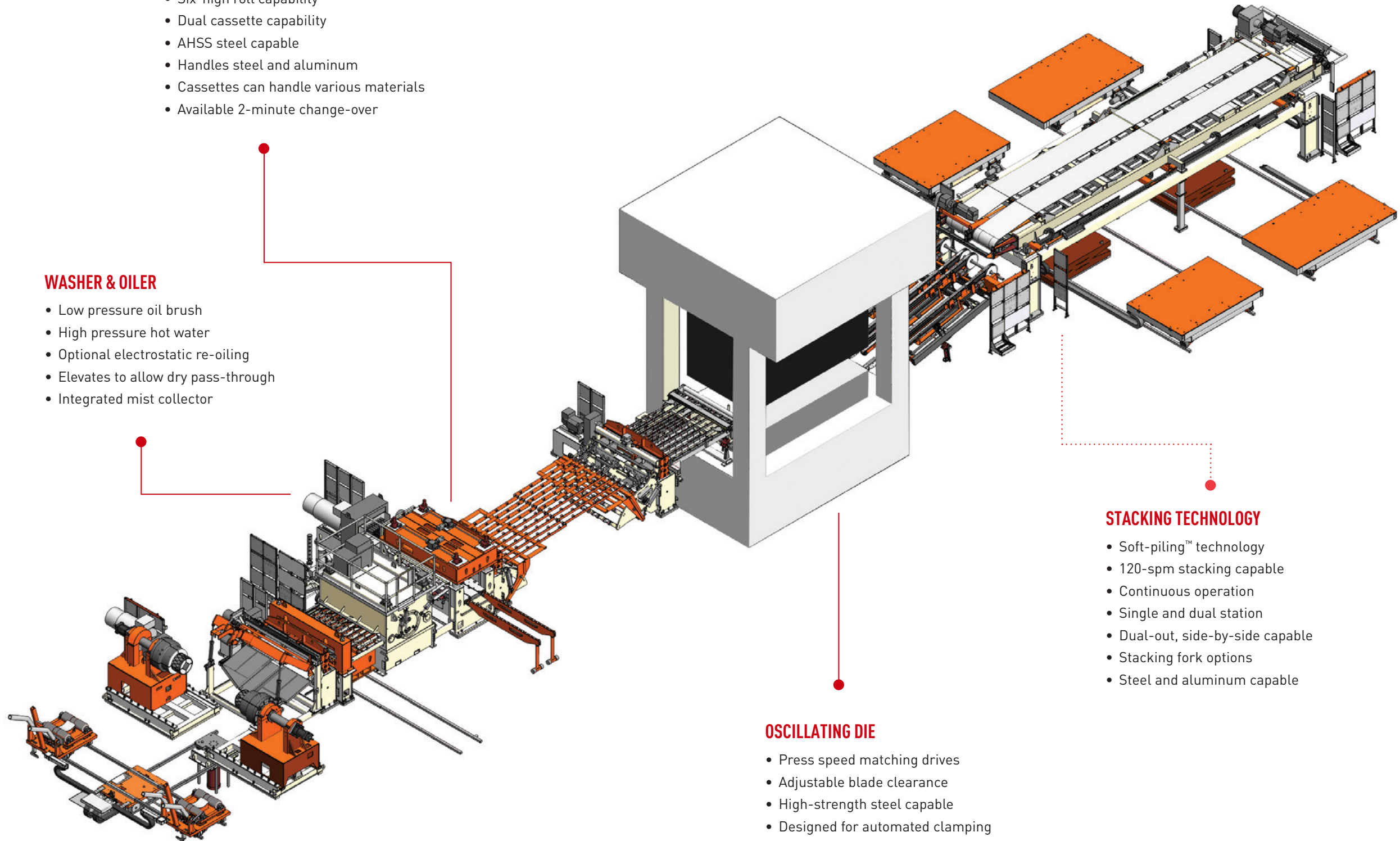


### CASSETTE LEVELER LEVELER LEVELING TECHNOLOGY

- Cassette-style lower rolls
- Six-high roll capability
- Dual cassette capability
- AHSS steel capable
- Handles steel and aluminum
- Cassettes can handle various materials
- Available 2-minute change-over

### WASHER & OILER

- Low pressure oil brush
- High pressure hot water
- Optional electrostatic re-oiling
- Elevates to allow dry pass-through
- Integrated mist collector



### STACKING TECHNOLOGY

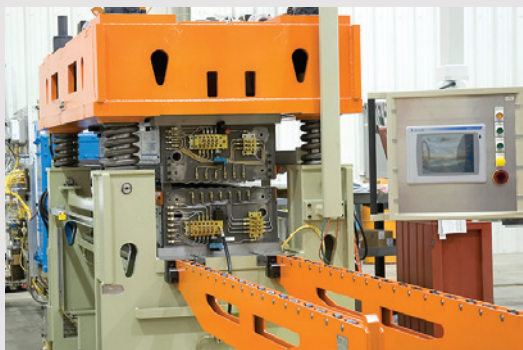
- Soft-piling™ technology
- 120-spm stacking capable
- Continuous operation
- Single and dual station
- Dual-out, side-by-side capable
- Stacking fork options
- Steel and aluminum capable

### OSCILLATING DIE

- Press speed matching drives
- Adjustable blade clearance
- High-strength steel capable
- Designed for automated clamping
- Auto air and electric docking ports
- Programmable servo drive

## EQUIPMENT

Whether delivering a full blanking or CTL line or a single machine, our stand-alone equipment embodies simplification of design, reliability and maintainability. The end goal is to help you optimize your pressroom operation performance for improved productivity.



### LEVELLERS

One of the most critical operations in a blanking line, our levelers can process steel, aluminum and AHSS. Automatic Feed offers both heavy duty levelers to accompany high tonnage presses and cassette-style with different roll diameters or backup arrangements to meet the demands of today's new advanced material properties.

### SHEARS AND DIES

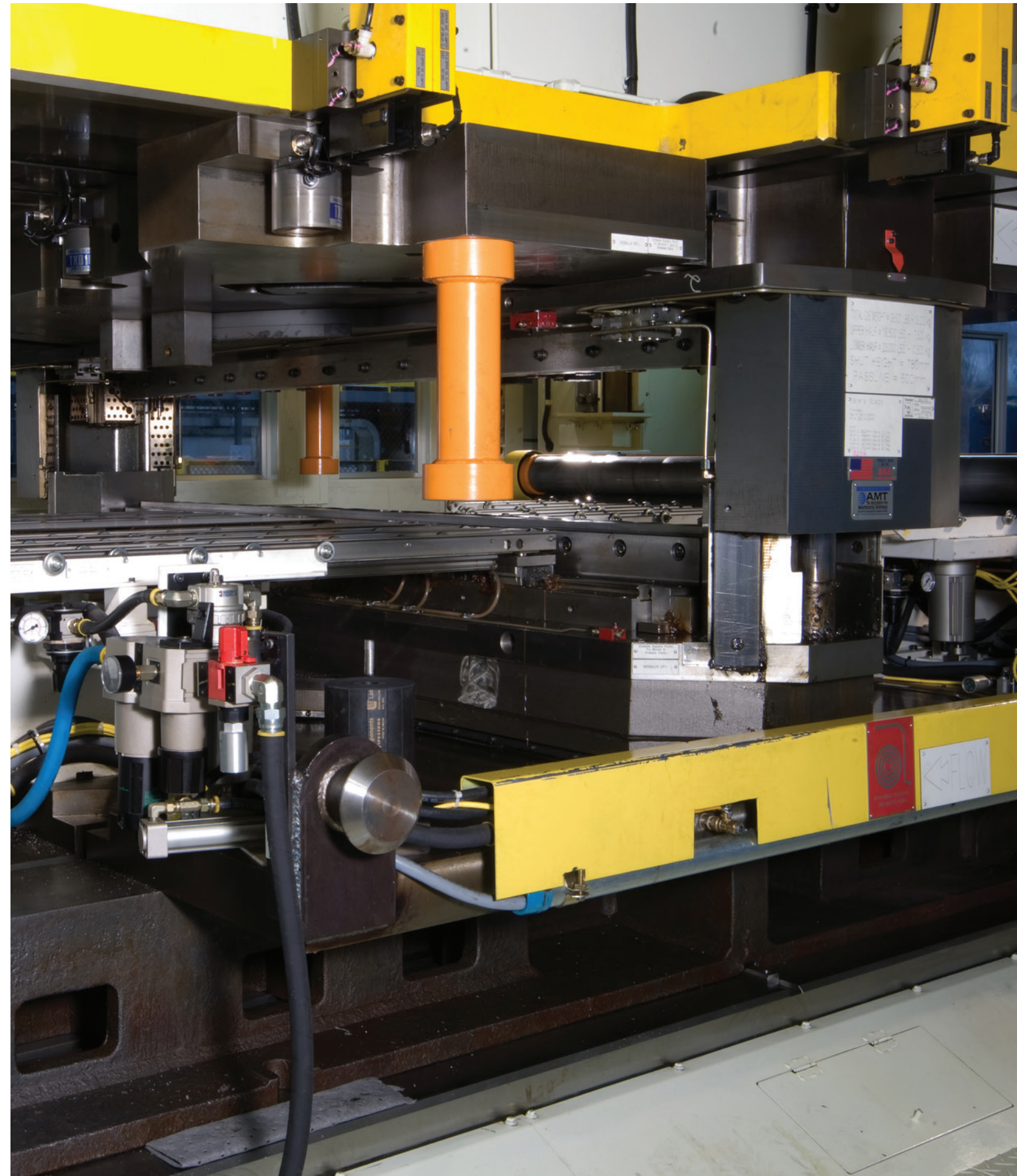
Automatic Feed's AC servo-driven oscillating dies and shears can increase the efficiency of blanking tool costs by increasing production rates up to 120 SPM. Additionally, we offer self-driven shears or dies that can turn a blanking press into a high-speed cut-to-length operation.

### WASHERS

Our hot water washers feature steel entry rolls, squeegee exit rolls and flat spray nozzles that ensure continuous wash coverage. They are mounted on a scissor lift to elevate the entire wash unit. These machines can be integrated directly into your coil processing equipment or designed into a sheet destacking and feeding machine.

### MICRO-FEEDS

Automatic Feed's micro-feeds feature a special telescopic guide designed to retract within the safety zone during die change, and then extend out close to the die when the line is running. By closing this gap, less material is wasted while productivity and safety are improved. Our micro-feed technology can be designed into a new coil line or installed as a retrofit.



## SERVICE

At Automatic Feed, we understand that you need more than just a robust piece of equipment dropped off at your door — you need to know there are resources to keep you running at peak production at all times. Our service team provides a variety of services to ensure optimization of your equipment. Our customers have come to rely on our service team for a variety of their maintenance, spare parts and training needs.

### ENDLESS SUPPORT

Emergency service is available 24-hours a day, 365-days a year. We realize that our customer's needs do not always occur during normal business hours. For these occurrences, we have a team of specially trained service personnel ready to assist you with mechanical, software, electrical and spare parts requirements.

### PROCESS CONSULTING

Service technicians are available for phone and on-site service at your request. Our technicians can supervise your personnel or provide the manpower to complete the job from simple preventative maintenance to an entire equipment overhaul.

### PREVENTATIVE MAINTENANCE

Service technicians can perform preventative maintenance and evaluate your equipment to determine any immediate needs. A complete report and quote for parts and labor is provided and work is scheduled around your production requirements.

### TECHNICAL TRAINING

While our equipment is designed to be very easy to use, some operations and maintenance training is required to ensure our customers with years of reliable operations. Our training courses are tailored to your needs and can cover all nature of user and maintenance topics.







**LASERCOIL**

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