



THE MINSTER MACHINE COMPANY



**MINSTER**<sup>®</sup>  
CONTAINER PRODUCTS  
MATERIAL HANDLING EQUIPMENT

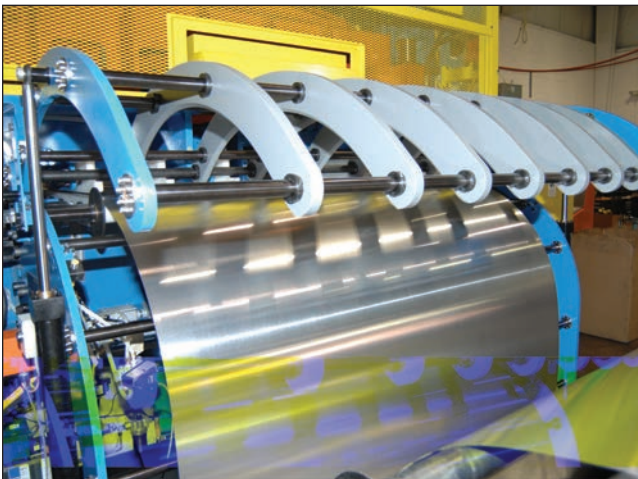
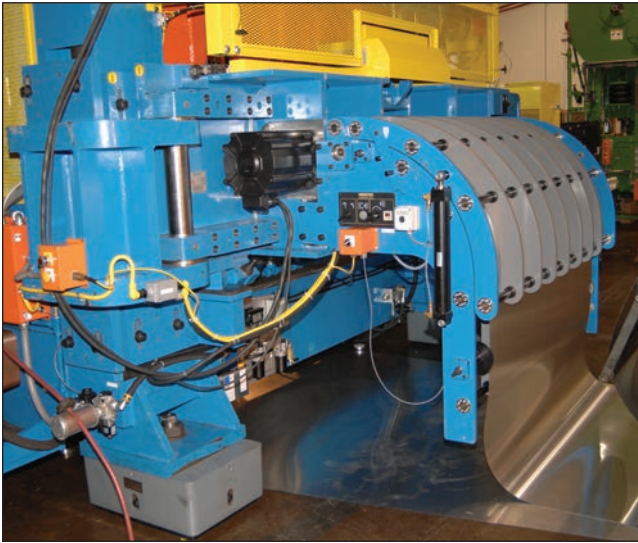


*Container Products*

TECHNOLOGICALLY ADVANCED TO PROVIDE  
GREATER FLEXIBILITY AND INCREASED PRODUCTION

# MINSTER CONTAINER PRODUCTS

## CONTAINER SERVO FEEDS



The Minster servo feed offers speed and control flexibility in a low maintenance package. Backed by Minster's Industry leading support, the servo feed features:

• **Direct servo drive feed roll design:**

- Simplicity: The drive train consists of a motor, rigid coupling, and feed roll.
- Accuracy: Direct drive means no backlash inherent to gearbox & belt designs.
- Reliability: High speed, High torque, Stock motor. No flexible coupling.
- Flexibility: Electronic camming to the press offers "auto mode" operation that duplicates the simplicity of older mechanical feeds. Programmable Progression (with Micro-Increase/Decrease), and Feed Angle.

• **Low Inertia, carbide coated feed roll.**

• **Robust Frame**

• **Modular Pinch Roll Assembly features:**

- Low Inertia polyurethane coated pinch roll.
- Single, center mounted air cylinder creates reliable, even, pinch pressure.

• **Catenary**

- Low Friction stationary UHMW guides top and bottom (no moving parts).
- Pneumatic flip top for easy threading.
- Two sets of stock guides with "Side Shift" adjustment.

• **Swing Away Bracket Mounting Option**

- Easy Die Access.
- Pneumatic assist Hinge operation.

• **Control Options**

- Seamless integration with the press control for new press installations.
- Stand alone touch screen podium for retrofit applications.

• **Advanced System Diagnostics for the Set -Up Person**

- Motion Profiler displays feed speed, torque and material position as a function of press angle for optimizing system performance.
- Torque Analyzer reports motor utilization to further optimize the system.

MATERIAL WIDTH RANGE
32" ~ 72"
815 mm ~ 1830 mm

*Consult Minster for the Availability of Wider Models.*

**NOTE:** Mechanical Cam Driven Feeds Also Available ~ Consult Minster for Details.

## LUBRICATORS/ PULL OFF STANDS

As press speeds get faster, loop stability is critical for precise and repeatable feeding. The Minster Lubricator/Pull Off Stand offers precision loop control for feeding the Minster Servo Feed. Lubricator/Pull Off Stands feature variable frequency AC drives controlled by inputs from the servo feed drive and trimmed via laser position feedback of the loop. Thread-up is facilitated by raising the pinch roll via pneumatic actuators.

Minster lubricators integrate the Unist lubricant application package which electronically meters the desired amount of lubricant evenly across the width of the strip. No mess from excess lubricant overflows. The system includes a 10-gallon pressurized lubricant tank that self-replenishes.

### MATERIAL WIDTH RANGE

32" ~ 72"

815 mm ~ 1830 mm

*Consult Minster for the Availability of Wider Models.*



**NOTE:** Depending on customer preference, Unist lubricating units can be integrated into the feed or catenary.