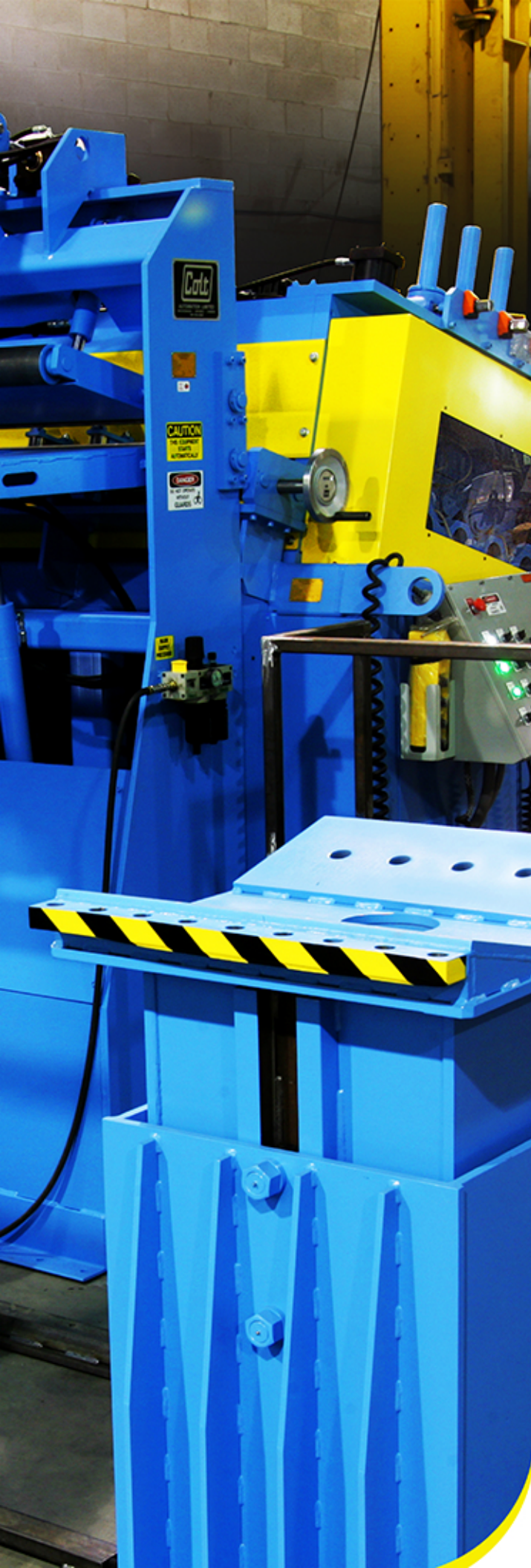


PRESS FEEDING & COIL HANDLING EQUIPMENT

WWW.COLTAUTO.COM



COLT FEED LINES

CONVENTIONAL FEED LINES FOR MAXIMUM FLEXIBILITY

- From 1,000 lbs. - 60,000 lbs.
- From 6" - 84"
- Process all materials
- Multiple Configurations | Speeds | Gauges
- Cold Rolled | AHSS | HSLA | Dual Phase | Aluminium
- | 1000mps | Fine Blanking | Heavy Blanking |
- Prog | Transfer
- Fast Coil Changes
- Universal interconnectivity, ProfiNet, EtherNet/IP,
- Profibus, DeviceNet

COLT CONVENTIONAL FEED LINES

COLT Conventional Feed Lines offer maximum flexibility and performance with intuitive controls, top quality parts and materials that all combine to offer state-of-the-art equipment with maximum expected productive life. Hands-free threading and safety on board features provide operator protection without compromising performance. Coil changeover times are reduced, all functions can be fully automated and recipe driven with industry leading intuitive/flexible controls with plain text displays. Conventional feed lines can process all material types (incl. AHSS) and are a great fit for: Fine Stamping, Prog, and Blanking.

SPACE SAVER FEED LINES

SPACE SAVER / SMALL SPACE FEED LINES

- Processing all materials
- Cold Rolled | AHSS | HSLA | Dual Phase | Aluminium
- 1000Mpa | Fine Blanking
- Heavy blanking | PROG | Transfer
- Multiple Configurations | Speeds | Gauges
- Small Footprint Tensioned and Tensionless Payout
- Universal interconnectivity, ProfiNet, EtherNet/IP,
- Profibus DeviceNet

COLT SPACE SAVER OR SMALL SPACE FEED LINES

COLT pioneered Space Saver Feed Line Technology with the introduction of the Feeder/Straightener. Constantly evolving and innovating, COLT Space Savers can operate in a very limited footprint without compromising performance. The latest generation of Space Savers offer dual operation Mandrel for both thicker gauge and thinner gauge material and capabilities to process the toughest AHSS, and Dual Phase materials.

CRADLE FEED LINES

CRADLE FEED LINES

- Ideal for Heavy Blanking or Thick Gauge Stamping
- Top or Bottom Coil Payout
- Stage Coils for maximum productivity
- Multiple Configurations | Speeds | Gauges
- Small Footprint
- Universal interconnectivity, ProfiNet, Ether/IP, Profibus, DeviceNet

**HEAVY BLANKERS/STAMPERS TURN TO
COLT TO PROCESS .100 TO OVER .600"**

COLT CONTROLS

BOSCH REXROTH
SCHNEIDER ELECTRIC
SIEMENS
BAUER GEAR MOTORS
ABB
ALLEN BRADLEY
OMRON
SEW
SICK



COLT STRAIGHTENERS

COLT STRAIGHTENER SCIENCE

COLT has always built the toughest equipment available, capable of processing High Strength Steel. As the composition of steel including AHSS | HSLA | Dual Phase has evolved, so has COLT's Straighteners. Our engineering science & calculations build in generous service factors. This ensures limited (if any) roll deformation or deflection when processing the toughest strength steels, which results in less wear and downtime.

COLT Automation STRAIGHTENER quality manufacturing includes wider side plates, full outboard support, larger roll journals, drive gears and stronger drive trains. We machine all transitions with large radius to limit fatigue and reduce possible shear points.

COLT STRAIGHTENERS BRING EUROPEAN QUALITY AT NORTH AMERICAN VALUE

Most COLT customers don't just purchase one piece of equipment from us - they usually become COLT repeat customers. COLT only uses 52100 Aviation Grade Alloy for Straightener Roll Construction. Once ground and polished, COLT Straightener Rolls meet or exceed RC 60/64 (the hardest rolls manufactured). Pinch Rolls are Flash chromed with #3 matte finish for maximum traction. Combined with larger journals, hardened gears and in some cases - dual drive, double redundant drive chains extending equipment uptime and their life cycle.

BENEFITS & OPTIONS OF COLT STRAIGHTENERS

- Strong construction, mean less downtime
- Optional configurations 7, 8, 9, 11, 13 (with other options available to better suit your needs)
- Wide range of equipment to process .020 to over .600 AHSS | Dual Phase | Cold Rolled

KEEP YOUR FEED LINE RUNNING SMOOTH AND MAXIMIZE YOUR UPTIME



LIGHT-DUTY
MODEL# CPSL/CPSLA

For straightening certain:
Mild Steel | AHSS | HSLA

- 2" (63mm) Straightener & Pinch Rolls
- 2" (70mm) Roll Spacing
- Multiple Drive & Speed Options
- Heavy-Duty Construction



MEDIUM-DUTY
MODEL# CPS2

For straightening certain:
Mild Steel | AHSS | HSLA

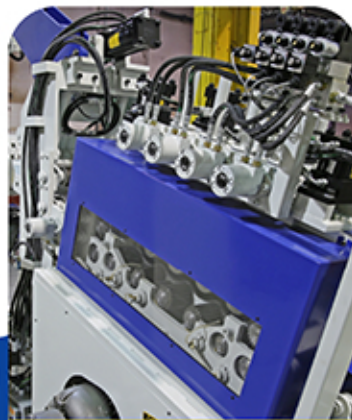
- 3" (89mm) Pinch Rolls
- 3" (89mm) Straightener Rolls
- Multiple Drive & Speed Options
- Heavy-Duty Construction



HEAVY-DUTY
MODEL# CPH3/CPH7

For straighteners certain:
AHSS | HSLA | DUAL PHASE

- 5" (127mm) Pinch Rolls
- 4" (100mm) Straightener Rolls
- Closer Distance between Rolls
- Multiple Drive & Speed Options
- Multiple Back-up Roller Options
- Heavy-Duty Construction



EXTRA HEAVY-DUTY
MODEL# CPSEHJ/DPSEHJ2

For straightening certain:
AHSS | HSLA | DUAL PHASE

- 6" (152mm) Pinch Rolls
- 5" (127mm) Straightener Rolls
- Multiple Drive & Speed Options
- Multiple Back-up Roller Options
- Extra Heavy-Duty Construction

COLT SERVO ROLL FEEDERS



MODEL# CERF-25 | LIGHT-DUTY

- Precision Roll Feeders
- 2½" (63mm) Rolls
- 2 or 4 roll designs
- Available in 6"-36" widths
- Bosch Rexroth Open Architecture Drive
- Custom Programming Available



MODEL# CERF-40 | MEDIUM-DUTY

- Precision Roll Feeders
- 4" (102mm) Rolls
- 2 or 4 roll designs
- Available in 12"-72" widths
- Bosch Rexroth Open Architecture Drive
- Custom Control Features
- Heavy-Duty Construction



MODEL# CERF-60 | HEAVY-DUTY

- Precise Roll Feeders
- 6" (152mm) Rolls
- 2 or 4 roll designs
- Available in 12"-84" widths
- Bosch Rexroth Open Architecture Drive
- Custom Control Features
- Extra Heavy-Duty Construction



MODEL# CERF-80 | EXTRA HEAVY-DUTY

- Precise Roll Feeders
- 8" (202mm) Rolls
- 2 or 4 rolls designs
- Available in 24"-84" widths
- Bosch Rexroth Open Architecture Drive
- Custom Control Features
- Extra Heavy-Duty Construction



COLT ZIG-ZAG FEEDERS

- Two Axis Zig-Zag
- Optimization and Nesting
- Round and Non-Round
- Custom Control Features
- Built-in Simulator and Performance Monitoring

COLT SERVO FEEDERS

"The Brains of the Feed Line"

COLT Electronic Servo Roll Feeders are built to precision standards using the latest electronics and controls. Intuitive controls read plain text to operators allowing them to easily understand and operate the feed line, increase production times, and reduce downtime. Safety on Board and "Safety Torque Off" modes ensure operator protection.

BENEFITS OF COLT SERVO FEEDERS

Standard control features built into every COLT servo feeder:

1. Scalable hardware architecture
2. Open software architecture
3. Press simulation software included
4. Press Feed angle monitoring and feed angle measuring (degree)
5. Press speed measuring (SPM)
6. Feed time-used measuring (%)
7. Feeder position tracking in manual, setup and auto mode
8. Die friction monitoring
9. Anti-Jam detection for feeding and threading
10. Part counter and batch counter
11. Feed speed and acceleration optimization
12. Intuitive operation, contextual operation and screen navigation
13. Explicit diagnostic message in plain text
14. Dual HMI support (optional)
15. Integration feeder control to press control
16. Smart device ready for diagnostic assistance and jogging as a wireless pendant
17. Job storage (max 200 jobs)
18. Loop control integrated in feeder control (optional)
19. Shear control integrated in feeder control (optional)
20. Electronically linked to press through cam profile (optional)
21. Animated batching control (optional)
22. Universal interconnectivity, DeviceNet, Profibus, ProfiNet, EtherNet/IP (optional)
23. Safety on Board (optional)
24. Industrial Modem for remote connectivity for diagnostic and programming (optional)

UNCOILERS AND REELS

COLT UNCOILERS & REELS

COLT has combined the best mechanical design features with the latest proven technology, rugged, dependable construction along with the best manufacturing practices.

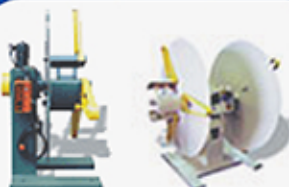
COLT UNCOILERS & REELS ARE RECOGNIZED AS THE INDUSTRY LEADER

COLT introduced the traveling Uncoiler/Fixed Coil Car and the industry responded by making it one of our best-selling models. Single or Double Reels up to 20,000 lbs. with unlimited customization offers maximum flexibility. Extra Heavy-Duty equipment up to 60,000 lbs. is available with a variety of control and safety features. Mandrel options include: 3 or 4 leaf Pumpkin tooth for over 300° of coil contact to limit triangulation and tail hook between Mandrel leaves.

BENEFITS & OPTIONS OF COLT UNCOILERS AND REELS

- Fully traveling or limited travel Uncoilers for coil alignment ensures material is fed into the feed line square
- Hold down rolls with powered or non-powered end wheels for easy threading and operator control and safety
- Variable speed torque drive or non-powered air brake controls with average speed synchronized to the throughput of the Feeder and press for ultimate precision material control
- Customized Mandrel expansion ranges to suit any environment
- Light-weight, wire mesh, rear access panel for maintenance view

MAXIMIZE YOUR UPTIME WITH COLT UNCOILERS AND REELS



LIGHT-DUTY

- Single or Double
- 1,000 lbs. - 1,500 lbs.
(450kg-680kg)
- Linkage Expansion
- 3-pad Mandrel
- High-Speed Options



MEDIUM-DUTY

- Single or Double
- 2,500 lbs. - 6,000 lbs.
(1134kg-2720kg)
- Manual or Hydraulic Expansion
- Loop Control
- High-Speed Capable



HEAVY-DUTY

- Single or Double
- 10,000 lbs. - 30,000 lbs.
(4535kg-13600kg)
- Traveling Uncoiler/Fixed Coil Car
- Dovetail Wedge Mandrel
- O.D. Pressure Adjust Brake via laser
- Continuous Speed with Feed Line
- Variable Speed Drive or Non-Powered with Air Braking



EXTRA HEAVY-DUTY

- 30,000 lbs. - 60,000 lbs.
(13600kg-27215kg)
- Traveling Uncoiler/Fixed Coil Car
- Dovetail Wedge Mandrel
- O.D. Pressure Adjust Brake via laser
- Continuous Speed with Feed Line
- Variable Speed Drive or Non-Powered with Air Braking



COMBINATIONS

- 10,000 lbs. - 60,000 lbs.
- Traveling Uncoiler with Fixed Coil Car
- Traveling Coil Car with Fixed Uncoiler
- Twin Mandrel
- Cradle Straighteners
- Space Savers
- Double Uncoilers

COIL CARS & COIL STAGING



COIL TURNSTILES

- Stage multiple Coils



SCISSOR LIFT COIL CARS

- Up to 60,000 lbs.
- Increased maximum travel for partial coils
- Optional 360° rotating table for limited space loading



TRAVELING UPENDER COIL CARS

- Eye to the Sky/
Eye to the wall

COLT HYDRAULIC COIL CARS

Increase production times and reduce coil changeover time with staged coils always ready to go. COLT traveling or stationary Coil Cars facilitate better use of Cranes and Forklifts and allow for partial coils to be easily loaded or unloaded.

COLT SPECIALIZED COIL STAGING:

All types of standard and custom Coil Cars are available for most environments including:

- Scissor Lift Coil Cars with 360° rotating tables allowing for tight space forklift loading.
- Upender traveling and stationary Coil Cars.
- Standard traveling and stationary Coil Cars.

Coil Car Staging Stands allow for additional coils to be staged, and one coil car picking from staging stands.



TRAVELING OR STATIONARY COIL CARS

- Up to 60,000 lbs.
- Heavy-Duty Construction
- Hydraulically operated with Cam followers for smooth binding-free raise/lower
- Removable or swing-out Safety Bars for narrow Coils



COLT PEELER/THREADERS - CPTHD

Attached to the entrance of the Straightener. Hold Down Arm with powered wheel for hands-free threading. Dual table to direct material into Straightener De-Kinker or breaker roll for extendable Peeler blade to pick up the leading edge.



COLT THREADING TABLES

- Positioned between the Straightener & Feeder.
- Integrated into the line to direct material from the Straightener into the Feeder.
- Scissor, Pivot, Flip Up and Dual Flip Up (Bombay style).



BENEFITS OF COIL STAGING:

- Reduced demand on Overhead Crane or Forklifts
- Reduced Coil Damage
- Increased productivity means no waiting for Coils
- Increased productivity and faster Coil changeover times
- Flexibility to re-band and remove partial coils
- Flexibility to reload partial coils
- Safe and stable for full width and narrow coils

ABOUT COLT

Since 1965, COLT Automation has been designing, building, installing and servicing the finest, automated Coil Processing Equipment.

COLT has always kept an eye towards the future, staying ahead of the Coil Feeding industry by constantly innovating, improving our manufacturing process, and adopting leading edge technologies through our team of engineers.

Many of our customers recognize COLT as a production partner and a competitive advantage in an industry where every minute of downtime and lost production impacts the bottom line. Count on COLT to help you process stronger material (incl. AHSS) at faster speeds, in smaller spaces, and to reduce both downtime and coil changeover time.

COLT has customized and engineered machines to facilitate specialized companies including specific roll forming requirements, automotive part manufacturers, battery manufacturing companies, as well as on-site material handling for mining companies and others.

Our equipment is known for being built to "Robust & Rugged" standards with generous service factors calculated into our designs. Knowing our customers will be processing higher strength steels at ever increasing speeds, and continue to push our equipment to its limits (and in many cases beyond) - our controls need to be the most advanced, safe & flexible available while still being intuitive and simple to operate.

**"COLT
CONTINUES
ITS LEGACY OF
PRODUCING THE
HIGHEST QUALITY
FEED LINES,
ENGINEERED FOR
INFINITE LIFE"**



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