

CWP SYSTEMS

LARGE CAPACITY
COIL PROCESSING
SOLUTIONS



cooper-weymouth, peterson

A MEMBER OF THE

FORMTEK
GROUP

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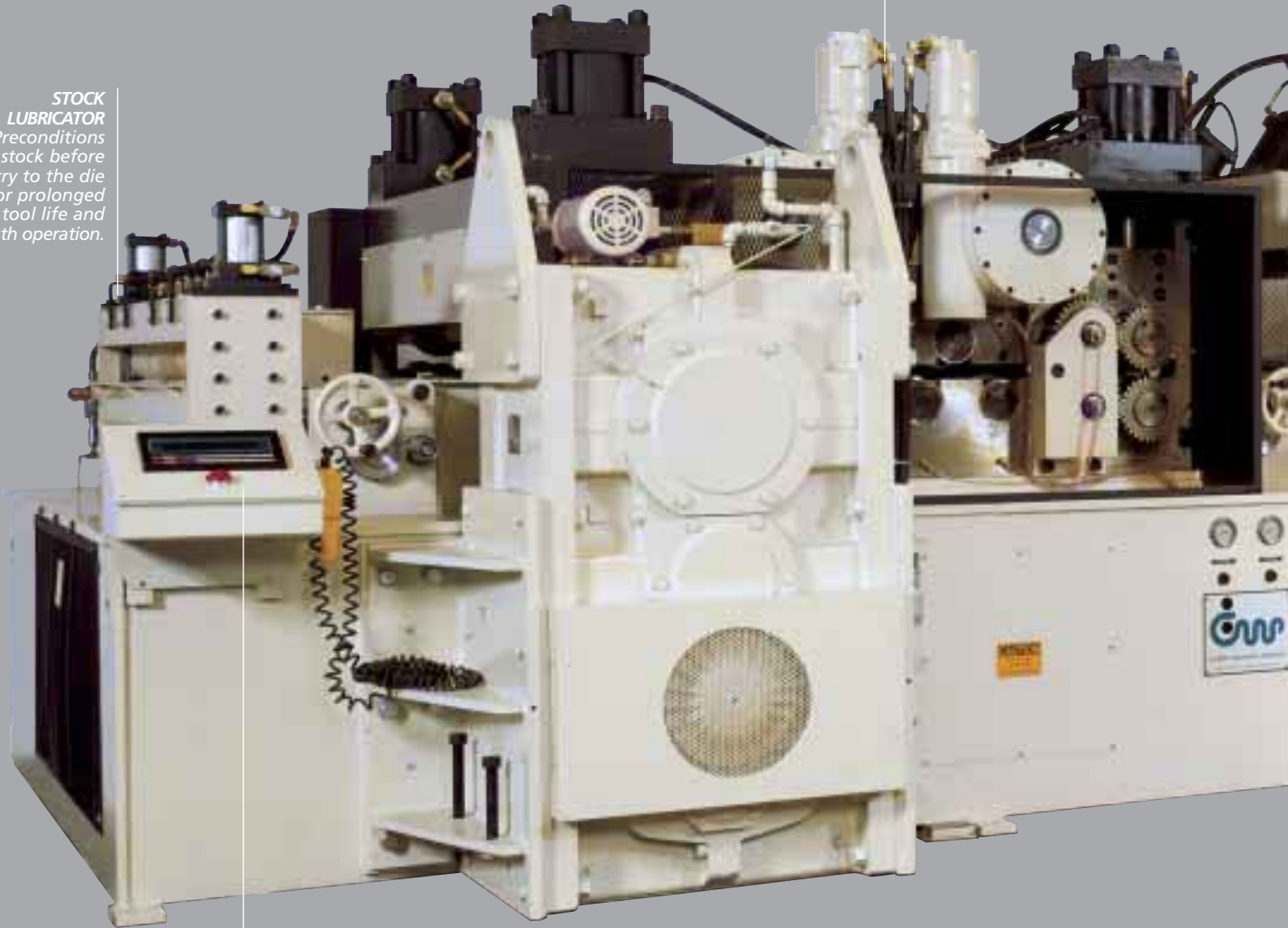
60"
wide
.500" * x 40,000 lb.

Rugged, 60" x .500" x 40,000 lb. system solution for a leading automotive brake parts manufacturer. System features a space-saving cradle straightener-feeder and heavy-duty debender that significantly reduces set-up time by aiding the operator in threading the leading edge of thick (up to .500") coils and high yield materials.

*HSLA Steel 120,000 PSI Yield

**MODEL HD60-86SF SERVO
COMBINATION STRAIGHTENER-FEEDER**
Compact design saves valuable floor space. Features backed-up straightener roll, high response drive, hydraulic entry/exit pinch rolls, powered straightener roll adjustment with digital readout, automated central lubrication, handwheel adjusted edge guides and exit cascade.

**STOCK
LUBRICATOR**
Preconditions stock before entry to the die for prolonged tool life and smooth operation.



SERVOMAX® AUTOMATED CONTROL
Conveniently housed on straightener-feeder. Features tactile membrane keypad, 80-character alpha-numeric readout, preprogramming of up to 60 different jobs, preset feed lengths up to 999,999 and jog-to-length for enhanced set-up.

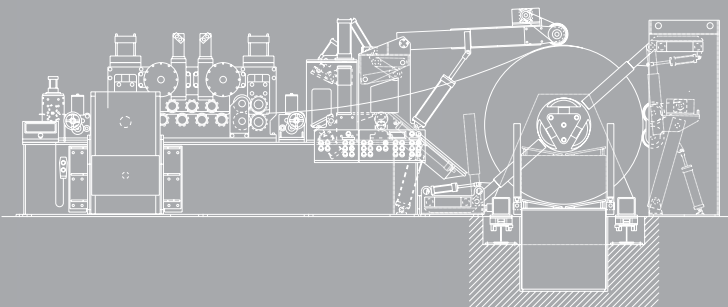
SYSTEM SOLUTIONS: PAYOFF
 CWP robust stock reels utilize a wedge-type expansion design for uniform distribution of load throughout the expansion process. Wedge-type expansion is the most reliable and maintenance-free design available. CWP reels are designed for smooth payoff of coiled material to any stamping, blanking or continuous line operation. Single or double spindle, plain or motorized units are available with capacities ranging from 4,000 to 80,000 lbs.



**MODEL HD60HDP
 HOLD-DOWN PEELER SYSTEM**

For hands-free threadup of material. Features a heavy-duty hydraulic motor drive, hydraulically raised and lowered peeler table to guide material from reel at optimum angle for various coil diameters and powered threadup pinch rolls.

MODEL 9RM-60 MOTORIZED STOCK REEL
 40,000-lb. capacity with sturdy sliding wedge expansion, drum-type mandrel with hydraulic expansion, inching (threading) speed, air fail-safe brake and servo controlled Vector tension drive system.



MODEL 40060CLC COIL LOADING CAR
 Provides convenience and efficiency for coil handling and loading. Features rugged steel welded chassis with integral track, hydraulic operation with 16" lift and anti-tip arms to stabilize narrow width coils.

Call 1-800-247-COIL
 For Coil Processing System Solutions.

36"

wide

.250" x 20,000 lb.

High capacity, 36" x .250" x 20,000 lb. integrated system solution for a major manufacturer specializing in high volume progressive and transfer stampings for the electric motor, lawn and garden, recreational vehicle, food service and automotive industries. The line features an extra high capacity electronic feed, coil staging and coil car for automatic coil loading and fast, easy changeovers.

**MODEL SMX36H6
SERVOMAX ROLL FEED**
Delivers coil stock material to presses and other operations with unsurpassed speed and accuracy. Features high performance brushless motor, precision gear drive, anti-backup rolls and handweel edge guides.

MODEL 36-64PDS STRAIGHTENER
Features 100 FPM modulating drive for smooth payout of material, ultrasonic non-contact loop control, cluster gearing, hydraulic head and pinch roll adjustment, exit cascade, auto lubricating system, self-centering edge guides and space-saving angular head mount design.

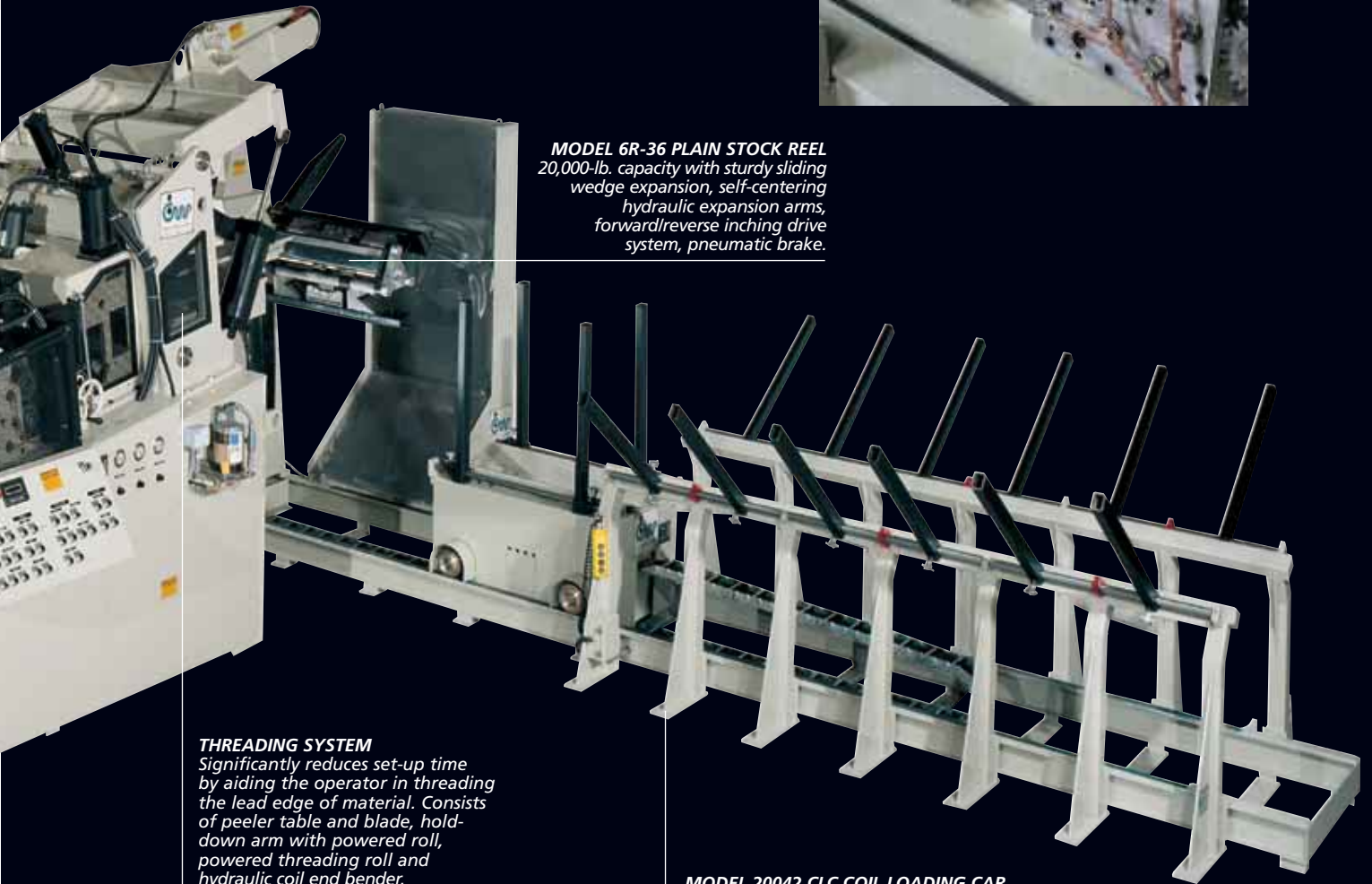
**MODEL 36PTT22 PNEUMATIC
THREADING TABLE**
Features conveniently located solenoid controls and solid-sheet steel top surfaces to eliminate stock hang-ups common with rail construction.

SERVOMAX CONTROL
Full-featured control with 80-character display, batch count, 60-job memory, forward/reverse jog, jog-to-length and remote jog station.

SYSTEM SOLUTIONS: STRAIGHTENING
 Heavy-duty, power-driven split gear train design offered by CWP straighteners distributes power evenly and efficiently to lower straightening rolls and entry/exit pinch rolls. All units are designed for maximum coil set removal for improved feeding efficiency. Standard models from 6" to 72" widths in 7-roll design. Optional 9, 11 or more rolls are available.

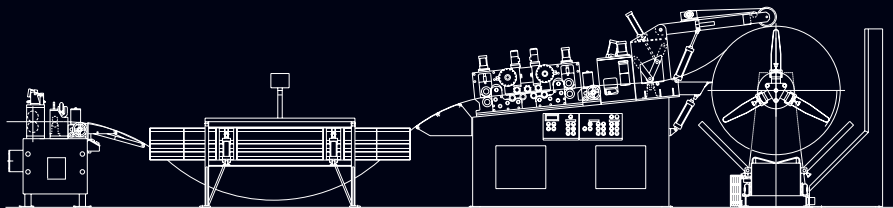


MODEL 6R-36 PLAIN STOCK REEL
 20,000-lb. capacity with sturdy sliding wedge expansion, self-centering hydraulic expansion arms, forward/reverse inching drive system, pneumatic brake.



THREADING SYSTEM
 Significantly reduces set-up time by aiding the operator in threading the lead edge of material. Consists of peeler table and blade, hold-down arm with powered roll, powered threading roll and hydraulic coil end bender.

MODEL 20042 CLC COIL LOADING CAR AND COIL STORAGE RACK
 For fast, efficient coil handling and loading. Features rugged steel welded chassis, four wheel drive, hydraulic overload protection and anti-tip arms. Ten-foot storage rack provides staging area for up to three (3) full width coils.



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72"
wide

.125" x 40,000 lb.

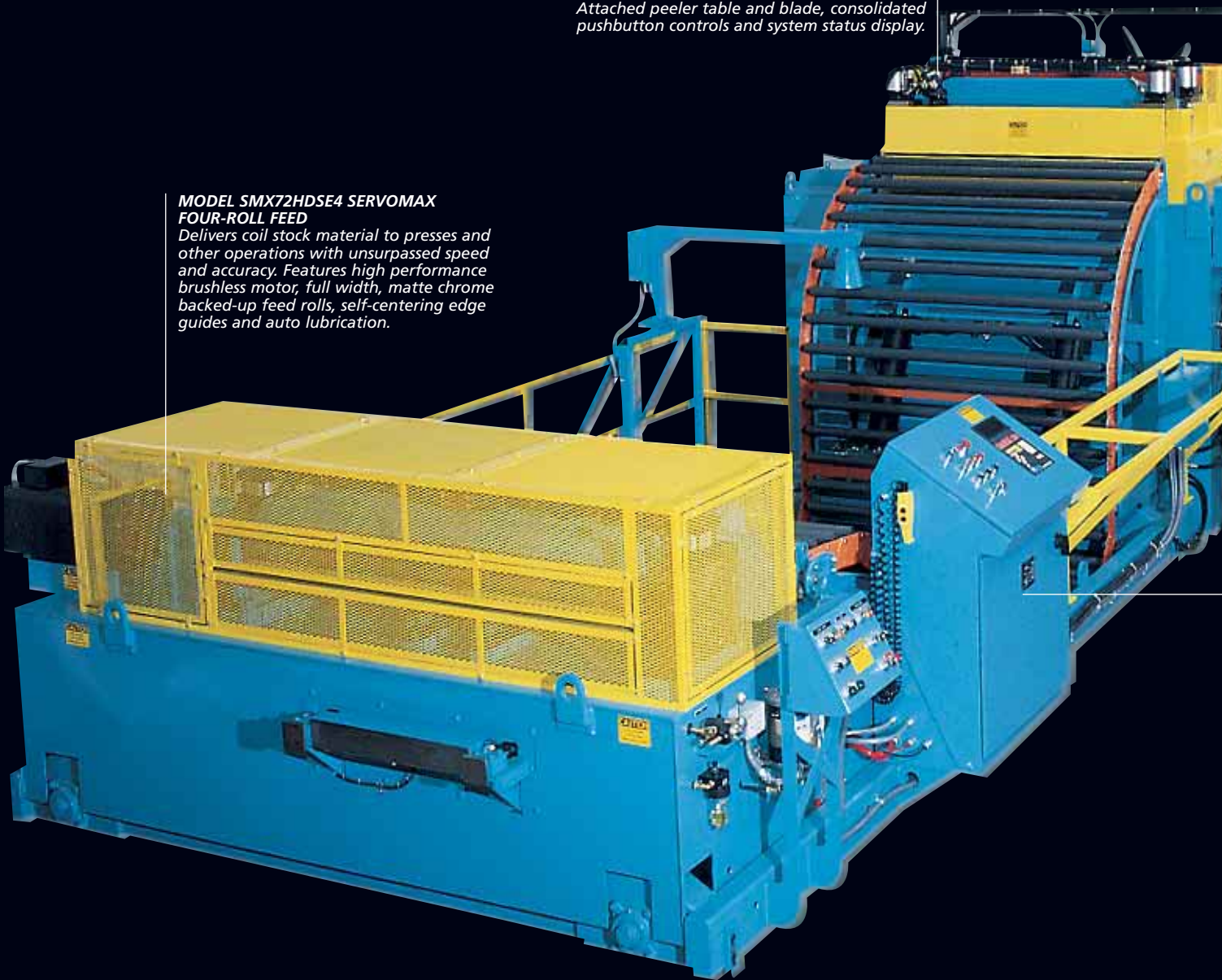
This heavy-duty, integrated system solution was built for a major, tier one automotive supplier. The 72" wide x .125" x 40,000 lb. line features a double spindle payoff reel design that increases productivity by allowing one side to be loaded while the other side is paying off stock. The double spindle design allows the customer to significantly save coil loading time, especially when partial coils are utilized on a regular basis.

**MODEL 72HDD7 POWERED STRAIGHTENER
W/CROPPING SHEAR**

Features 150 FPM modulating drive for smooth payout of material, ultrasonic non-contact loop control, cluster gearing, digital roll position readout, air lifted pinch rolls, exit cascade, auto lubricating system, self-centering edge guides and space-saving angular head mount design. Attached peeler table and blade, consolidated pushbutton controls and system status display.

**MODEL SMX72HDSE4 SERVOMAX
FOUR-ROLL FEED**

Delivers coil stock material to presses and other operations with unsurpassed speed and accuracy. Features high performance brushless motor, full width, matte chrome backed-up feed rolls, self-centering edge guides and auto lubrication.

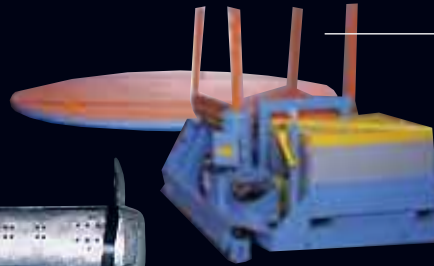


SYSTEM SOLUTIONS: FEEDING
 CWP servo roll feeds from 6" to 78" widths with maximum capacity ranges of .078" to 3/8" material thickness and automated microprocessor controls are seamlessly integrated into coil processing system solutions. Shown opposite is a 78" four-roll feed that provides twice the surface area with one-half the roll pressure – reducing marking on highly sensitive or pre-painted materials.



**MODEL 40060CLC
 COIL LOADING CAR
 AND TURNTABLE**

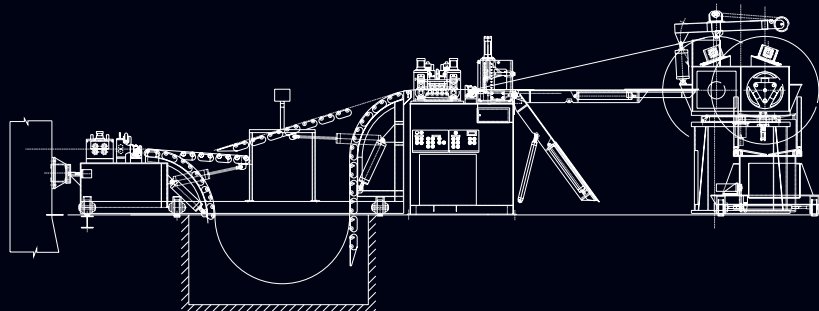
Speeds coil handling and loading. Features rugged steel welded chassis, two wheel drive, hydraulic overload protection and anti-tip arms. Turntable provides 90° turn of coil loading car.



**MODEL 10RD-72
 DOUBLE PLAIN STOCK REEL**
 Double reel design saves coil loading time and increases productivity. Rugged base, two-pressure air drag brake system, self-centering hydraulic arms, inching drive, power indexing, self-centering hydraulic expansion arms and reel-mounted hold-down arms.



SERVOMAX® FEED CONTROL
 Features 6-line, 240 character display with prompting and diagnostic data, forward/reverse jog, jog-to-length and in-motion length adjustment.



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72"
wide
.125" x 50,000 lb.

A leading contract stamping company produces a variety of parts with this 72" x 50,000 lb. x .125" automated system solution. The large capacity integrated system features a heavy-duty turnstile with 360° rotation and coil car providing efficient staging of coils and automated coil loading and unloading for just-in-time production demands.

**SERVOMAX® MODEL SMXHD72SE4
HIGH CAPACITY FOUR-ROLL FEED**
Heavy-duty feed with anti-backup rolls, adjustable edge guides, powered adjustable height cabinet, auto lubrication and entrance cascade. ServoMax control provides batch count, 60-job memory, forward/reverse jog, jog-to-length and remote jog station.

MODEL 72HDD7 POWERED STOCK STRAIGHTENER
Features air-lifted pinch rolls, space-saving slant top cabinet, adjustable edge guides, ultrasonic non-contact loop control, cluster gearing, self-centering edge guides, auto lubrication system, exit cascade and modulating drive for smooth, fast payout to feed.

HEAVY-DUTY TURNSTILE
Turnstile features 360° rotation and provides staging of coils and automated coil loading and unloading.



SYSTEM SOLUTIONS: TOTAL SYSTEM CONTROL

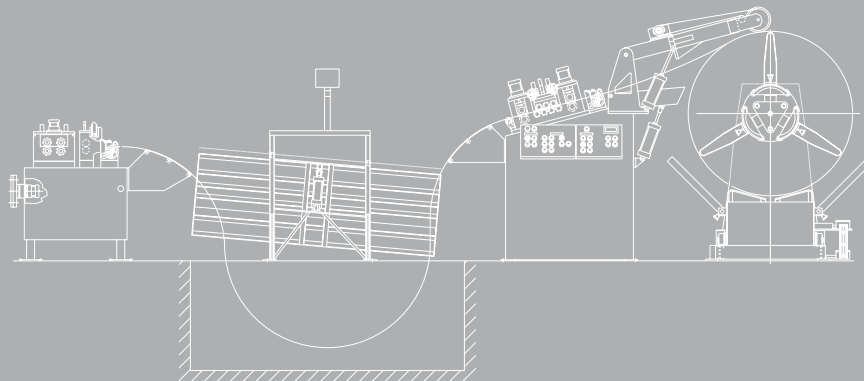
CWP provides a variety of high performance control options, including user friendly Total System Control (TSC) technology. TSC touch screen displays are designed to reduce the set-up time associated with coil threadup and thickness changes. The TSC graphic interface enables operators to automatically set the straightener rolls and feed passline height by preprogrammed job number stored at the touch screen interface of the feed control. Other features include 999-job memory and a built-in Ethernet port for real-time production monitoring.



**MODEL 72HDPT
HOLD-DOWN PEELER SYSTEM**
Features straightener-mounted hold-down arm, powered rider roll, threading table, peeler blade, breaker bar, cropping shear and consolidated pushbutton controls.

**MODEL 10R-72
SINGLE PLAIN STOCK REEL**
50,000-lb. capacity with drum-type mandrels, self-centering hydraulic expansion arms, inching drive, ultrasonic tension control braking system, positioning scale and fully adjustable keepers.

**MODEL 50060CLC
COIL LOADING CAR**
For fast, efficient coil handling and loading. Features rugged steel welded chassis, four wheel drive, fender style bumpers, hydraulic overload protection and anti-tip arms.



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17-Roll Straightener for Precision Flatness



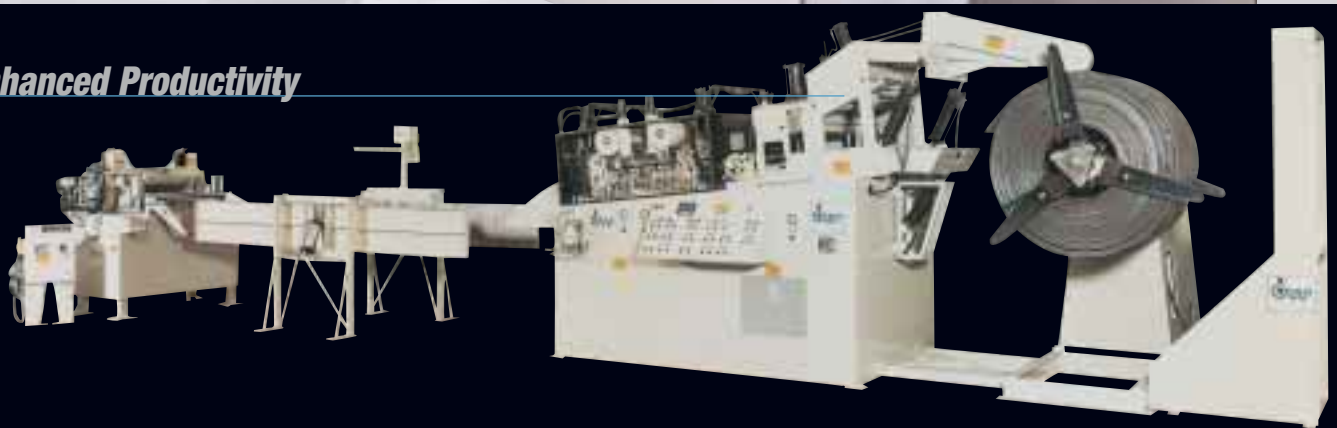
60" wide x .125" thick x 30,000 lb. ServoFeeding System. Right to left, Coil Loading Car, 8R Stock Reel, Hold-Down, Peeler, 17-Roll "HPS" Straightener, Threading Table and Precision 4-Roll ServoMax feed. Ideal for most appliance and furniture industry applications where precision flatness of prepainted panels are routine.

Transfer Press Feed System Solution

This **72" x .280" x 40,000 lb.** automated system solution allows a 2800-ton transfer press the ability to feed coil as well as blanks for a leading Tier 1 automotive supplier. When the press utilizes blanks for its operation, the servo feed unit unclamps and power travels out of the line to provide the required space for the blank feeding of the transfer system.



Enhanced Productivity



36" wide x .250" thick x 20,000 lb. ServoFeeding System. Right to left, 6R Stock Reel, Automated Hands-Free Threading w/Debender, 64 Powered Straightener, Threading Table and SMX-H6 ServoMax feed. This versatile system has the power to handle thick, high yield, springy material, yet possesses the finesse to process highly polished material in progressive type die operations.



**Compact
Cradle-Straightener-
Feeder Design**

24" wide x .500" thick x 20,000 lb. ServoFeeding System. Right to left, Cradle-Straightener-Feeder Automated Package consists of: Powered Confining Guide Plates, a Combination Coil Catcher, Peeler and Decurler with exclusive "Pivot Peel" Blade, Coil End Bender,

Hydraulically Operated Straightener Roll Adjustment, Digital Roll Position Readout, Large Operator-Oriented Prompting Keypad w/Full Diagnostics Control provides the operator complete control of all functions for total hands-free threading. The cradle rolls



Ideal for Blanking

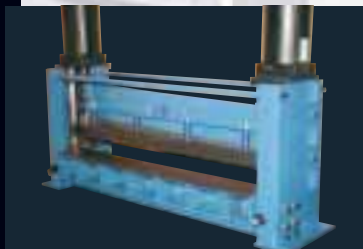
54" wide x .110" thick x 30,000 lb. ServoFeeding System. Left to right, 7RM Motorized Stock Reel equipped with high speed modulating drive, ultrasonic loop control and hydraulic expansion. The Series "D" 7-Roll ServoMax® Straightener-Feeder includes Handwheel Adjusted Edge Guides, Stock Lubricator and Large Operator-oriented Prompting Keypad Control with Full Diagnostic Display capacity. Popular in blanking type or cut-off operations where marking is not critical.

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4-Roll Feed

The 4-roll feed design permits unparalleled traction by providing twice the surface area to maintain superior contact with the material. In addition, its exclusive backed-up roll system prevents roll deflection while ensuring roll parallelism. This unique design allows the user to process critical finish products more effectively with one-half the roll pressure.



Cropping Shears

Enhance production by providing the operator the flexibility of trimming off damaged leading and trailing ends of coils with a push of a button. In addition, cropping shears dramatically reduce the set up time associated with the rewinding of partial coils.



17-Roll Straightener

CWP developed the 17-roll straightener to provide the metalforming industry with a high performance straightener that can process an extremely wide range of material thicknesses (.015" to .250") to precision stock flatness. The small diameter straightening rolls are on close centers, backed-up and all power driven to permit exceptional straightening capability.



Heavy-Duty Debender

A revolutionary design that significantly reduces set up time by aiding the operator in threading the leading edge of thick (up to .500") and high yield materials. An additional benefit is the increased productivity realized by being able to process the remaining tail end of a coil.



Automatic Side Guide Rollers

Drastically reduce changeover time with a push of a button. Side guide rollers allow the operator to process narrow width coils without the interference and cumbersome handling associated with manual keepers. When integrated with a traveling reel and auto centering feature, side guide rollers significantly increase productivity.



Combination Coil Catcher, Peeler & Decurler

A rugged roll acts as a cushion to absorb the shock load associated with loading a new coil. Our "exclusive pivot peel" strips the lead edge away from the coil and directs it behind the peeler roll. The peeler roll is used to back break the material over the decurler roll and to pinch the material against a powered diamond knurled roll to facilitate threadup.

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