

Perfection Spring and Stamping Corp. – Mt. Prospect, IL Coe Precision Straightener Lives up to “Perfection” Standards

Perfection Spring and Stamping Corp. (PSS) is a full service metal stamping facility that was facing some major production problems. Their standard issue problems of inadequate machinery and excessive downtime were costing them thousands of dollars per month in secondary rework and/or scrapped parts. However, the use of a precision straightener from Coe Press Equipment has not only solved their scrap problems, it has also helped them to increase production rates and improve overall uptime.

In business since 1955, PSS focuses on three different manufacturing areas: slide forming manufacturing, coiled springs, and metal stamping. Their expertise in fourslide and spring work allowed them to grow into a full-service contract manufacturer, serving the automotive, automotive electronics, power tools, and appliance industries.

The biggest problem facing PSS was the production of a rigidizer that is part of an automotive control module (ECM). Unacceptable defect rates and downtime issues were two major problems they had to face when they first began to manufacture ECM's. PSS strug-

gled to get the material flatness levels required. Then they faced challenges with secondary part rework and downtime due to die adjustment for their inadequate coil straightening equipment.

PSS solved these problems with the purchase of a Coe

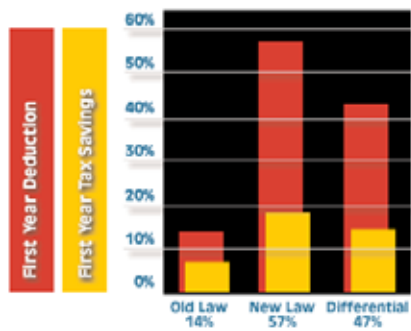
Press Equipment (CPPS 250-24) power straightener that employs 11 rolls (rather than the five to seven rolls found on a conventional unit) along with a pulloff (CPR-PO 8024) roil reel.

Kenny McLaren, VP of Operations of PSS says that the new equipment made an



Easy to set up, easy to maintain and clean: Perfection Spring and Stamping operates this precision 11 roll power straightener and pulloff reel combination.

Tax Savings Based on \$100,000 Machine



Tax Incentives Still Available

Did you know that your company may still qualify for the 2004 tax deduction when purchasing Coe and SESCO equipment? The Economic Growth Tax Relief Bill can provide over \$15,000 worth of savings in first year tax cuts.

Learn more at:
www.cpec.com/amt_news.htm

Products in Action

Our website now features seven videos featuring our equipment in action.

- Coe Press Equipment Co. — The Company that Feeds an Industry
- SESCO Products Group — Product Overview
- Direct Coil Feed Sys. — Trap
- Direct Coil Feed Sys. — Square
- Three SpaceMaster videos
- New literature available, too

Visit www.cpec.com/marketing.htm to see all available videos and literature brochures.

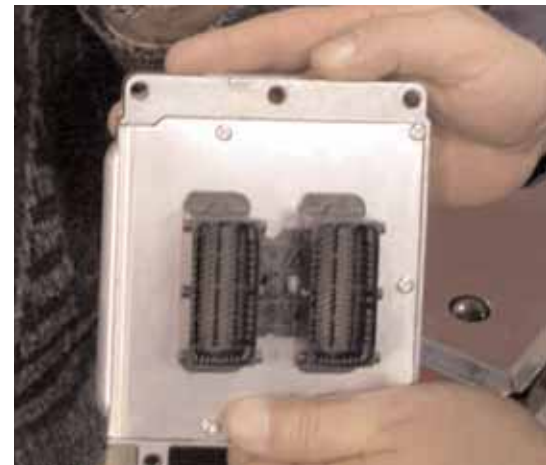
Need a machine fast?

We have several models already in stock for immediate delivery. Email sales@cpec.com to learn which models are available.

immediate improvement to their production line. "In less than a week after we received it, we were able to settle down the manufacturing process to the point where our downtime went from many hours a day to just a portion of an hour a day. What Coe equipment has allowed us to do is run a wider variety of products on the same piece of equipment, because our uptime is increased. This equipment has really allowed us to get a tremendous amount of throughput. We've at least doubled or tripled the amount with it."

Cleanliness of the equipment is also critical to PSS because any small voids or imperfections on the surface could cause the whole board to short circuit.

The easy-opening head on the Coe straightener made it a perfect match for the needs of PSS. Unlike most straighteners that offer a sandwich construction, the Coe straightener has an opening head that allows for



easy cleaning, cutting their cleaning time to just minutes.

"Coe equipment has really allowed us to get a tremendous amount of throughput... doubling or tripling the amount... and greatly improving scrap levels too."

Kenny McLaren
 PSS Corp.

PSS is just one of the many companies in which Coe Press Equipment has been able to solve major production problems. To find out how we can help you, or to

receive a free quote please email sales@cpec.com or call (586) 979-4400.

To read this article in full, visit www.cpec.com/Success-Perfection.htm



Digital upper straightener roll height indicators help PSS to dial in the exact level settings quickly.

How to "Master" Coil Feeding

Mastering higher production, improved quality levels, quicker changeover, and other overall improvements in your pressroom are all key to today's success. Here are a few tools to help you meet those goals...

Our **SpaceMaster Compact Coil Line Series** are new space-saving coil lines that combine the three functions of unwinding, straightening and feeding of coil stock...all in a single unit. The key benefit of the SpaceMaster line is **a drastic space reduction of your stamping room floor, but without compromise in processing speed, reliability, and overall performance.** Standard features include: "hands free" threading capability for faster and safer operations, air-operated coil hold down arm to prevent clockspring, "closed loop" AC servo feed drive/motor and AC inverter uncoiler motor, and true pilot release functionality.

SpaceMaster is designed and built for precision coil stock feeding to all types of stamping presses. Competitive pricing and various standard features make the SpaceMaster Series a great fit for use in many different industries. Available in three size ranges and offers a total of 18 different model/sizes:



- **Series 1**
 - 12", 16", 20" and 24" maximum coil widths
 - Coil thicknesses to .125"
 - Coil weights to 6,600#
- **Series 2**
 - 12", 16", 20", 24", 32", 40" and 52" maximum coil widths
 - Coil thicknesses to .187"
 - Coil weights to 15,000#
- **Series 3**
 - 16", 20", 24", 32", 40", 52", and 64" maximum coil widths
 - Coil thicknesses to .250"
 - Coil weights to 30,000#

Visit www.cpec.com/IndEquip-SpaceMaster.htm for more information.



The **ServoMaster Series Servo Roll Feeds** set the industry's precision feeding standards in today's light, medium, and heavy gauge material stamping operations. A wide range of standard features and exceptional quality of components make **this series of servo roll feeds the "best value/precision/speed combination in the industry."** Some models are available from stock. Choose from a variety of roll diameters and widths:

- **Series 1**
 - 2.25" diameter rolls
 - Max. processing range of .156" x 6" wide to .045" x 30" wide materials
- **Series 2**
 - 2.65" diameter rolls
 - Max. processing range of .187" x 6" wide to .060" x 30" wide materials
- **Series 3**
 - 3.0" diameter rolls
 - Max. processing range of .210" x 12" wide to .060" x 42" wide materials
- **Series 4**
 - 4.0" diameter rolls
 - Max. processing range of .250" x 12" wide to .040" x 56" wide materials

Visit www.cpec.com/IndEquip-ServoMaster_feeds.htm to learn more.

We've also unveiled a new **"Step Programmable" Controller** for use with the ServoMaster Servo Feed Series. It is an updated version with **functionality suited to specific metalforming applications that require programmable outputs and "series of moves" repetition.**

Visit www.cpec.com/PR-ServoMasterControl.htm



For a free, quick response quote on the ServoMaster and SpaceMaster product lines email sales@cpec.com — or talk to your local distributor (see back page).

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Recent Orders and Shipments —

Midwest Stamping (Maumee, OH)

Another space saving application that is perfectly suited to the SpaceMaster Series 3 line... a machine that combines the functions of unwinding, straightening and feeding all on a single machine. This contract stamper's typical applications include maximum material thicknesses and widths like .220" x 12" and .156" x 30" widths. The line is capable of handling coil weights to 20,000 lbs. Machine features include: fast and precise processing (feed up to 80 fpm, driven by closed loop AC servo feed drive/motor and AC inverter uncoiler motor), pivoting type head for piloting operations, motorized passline height adjustment, seven straightener rollers (3.5" dia) for optimized straightening performance, and a powerful Yaskawa controls package with a ServoMaster controller.



Industrias Acros Whirlpool (Apodaca, N.L. Mexico)

Coe recently shipped a complete line to this appliance leader to process parts for both steel and non-marking aluminum jobs. The line processes materials in the range of 0.012" to .080" thickness and up to 48" widths. It features a heavy-duty CPRF-548 servo roll feed with stock lubricator and full width, #5 matte chrome finish feed rolls for scratch free performance. The line's CPPS-350-48 power straightener includes a fast 80 fpm performance, digital roll height indicators, and peeler/threader/hold down with motorized endwheel. And the CPR-PO-20048 coil reel can handle up to up to 48" widths, 20,000# coils. Hands-free coil threading is aided by the CPTT-4810 (48" x 10') dual sided threading table (surface is covered in nylon).



E&E Manufacturing (Plymouth, MI)

This order includes two separate 72" servo roll feeds that are programmed to run in dual modes. The line processes .125" x 72" wide materials — in "blank" mode and up to .250" x 24" wide in progressive mode. The primary roll feed has anti-backup rollers and is intended to run in "blank" mode, running in sequence with a Coe-built oscillating profile shear press and conveyor/blank rotate station system that feeds a 2,000 ton AIDA transfer press. The secondary roll feeder running is used to run in "progressive" mode to continuously feed strip into a prog die. The line also includes a Coe heavy-duty, free standing power straightener and 60,000# coil weight capacity coil reel/traveling coil car (both for pull off operations), as well as a hands-free dual sided threading table. The line features Allen Bradley Control Logix based controls and (8) servo controlled machine axis.



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