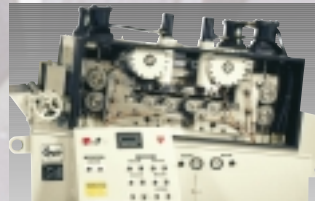
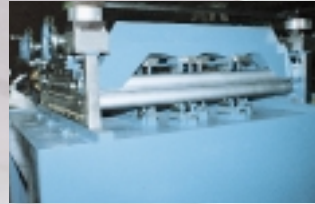


# CWP STRAIGHTENERS

HIGH PERFORMANCE  
PRECISION STRAIGHTENING  
SOLUTIONS



**cooper-weymouth, peterson**

**FORMTEK**

More Productive Metalforming Solutions

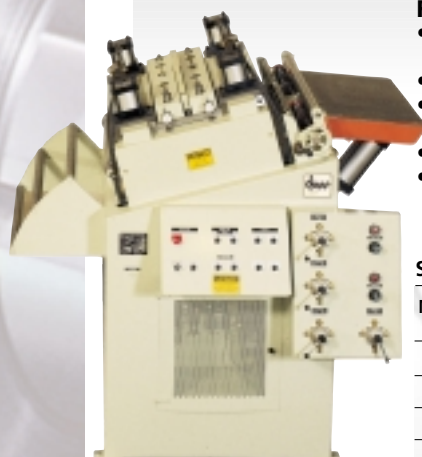
◆ A MESTEK COMPANY

**64HD Series Straightener with rugged, hardened and ground 4" straightening rolls, backed up and mounted in massive 3" thick sideplates.**



# THE FLAT OUT BEST PRECISION STRAIGHTENERS YOU CAN BUY.

The CWP line of high performance, precision straighteners is engineered to maximize your productivity with more standard features that would be considered options on competitive equipment. All units are designed to remove coil set and provide smooth payout of material that translates into improved feeding efficiency and accuracy. CWP stands behind its coil handling equipment and systems with an industry-leading, 2-Year Warranty.



## SERIES B

Single Bank Roll Adjustment. Standard 7 Rolls. Optional 9, 11 or More Rolls.



### Features:

- Modulating drive system with ultrasonic control regulates output speed for smooth delivery of material.
- Bank roll mounting for simple, two-point adjustment.
- Hardened and ground rolls on close centers.
- Split gear train for efficient distribution of power.
- Cluster gearing on pinch rolls ensures proper mesh through thickness adjustments.

### SPECIFICATIONS Inches (mm)

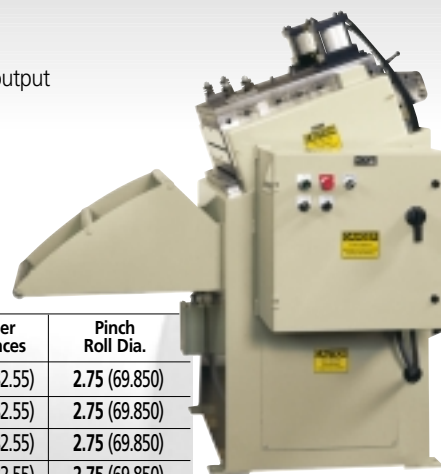
Model	Max. Stock Width	Capacity Mild Steel Min./Max.	Straightening Roll Dia.	Center Distances	Pinch Roll Dia.
6B	6 (152.400)	.018/.125 (.457/3.175)	2 (50.800)	2.5 (63.5)	2 (50.800)
12B	12 (304.800)	.018/.125 (.457/3.175)	2 (50.800)	2.5 (63.5)	2 (50.800)
18B	18 (457.200)	.018/.093 (.457/2.362)	2 (50.800)	2.5 (63.5)	2 (50.800)
24B	24 (609.600)	.018/.078 (.457/1.981)	2 (50.800)	2.5 (63.5)	2 (50.800)
30B	30 (762.000)	.018/.048 (.457/1.219)	2 (50.800)	2.5 (63.5)	2 (50.800)

## SERIES C

Individual Roll Adjustment. Standard 7 Rolls.

### Features:

- Modulating drive system with ultrasonic control regulates output speed for smooth delivery of material.
- Individual upper roll straightening adjustment to enable leverage for roll pressure and maintain parallelism.
- Hardened and ground rolls on close centers.
- Split gear train for efficient distribution of power.
- Cluster gearing on pinch rolls ensures proper mesh through thickness adjustments.



### SPECIFICATIONS Inches (mm)

Model	Max. Stock Width	Capacity Mild Steel Min./Max.	Straightening Roll Dia.	Center Distances	Pinch Roll Dia.
6C	6 (152.400)	.021/.187 (.533/4.750)	2.75 (69.850)	3.25 (82.55)	2.75 (69.850)
6HDC	6 (152.400)	.021/.312 (.533/7.925)	2.75 (69.850)	3.25 (82.55)	2.75 (69.850)
12C	12 (304.800)	.021/.187 (.533/4.750)	2.75 (69.850)	3.25 (82.55)	2.75 (69.850)
12HDC	12 (304.800)	.021/.250 (.533/6.350)	2.75 (69.850)	3.25 (82.55)	2.75 (69.850)
18C	18 (457.200)	.021/.187 (.533/4.750)	2.75 (69.850)	3.25 (82.55)	2.75 (69.850)
24C	24 (609.600)	.021/.187 (.533/4.750)	2.75 (69.850)	3.25 (82.55)	2.75 (69.850)
30C	30 (762.000)	.021/.125 (.533/3.175)	2.75 (69.850)	3.25 (82.55)	2.75 (69.850)
36C	36 (914.400)	.021/.093 (.533/2.362)	2.75 (69.850)	3.25 (82.55)	2.75 (69.850)

## SERIES D

Single Bank Roll Adjustment. Backed-Up. Standard 7 Rolls. Optional 9, 11 or More Rolls.

### Features:

- Modulating drive system with ultrasonic control regulates output speed for smooth delivery of material.
- Hardened and ground rolls on close centers that are backed-up.
- Backed-up rolls prevent deflection and handle broad range of stock widths and thicknesses.
- Bank roll mounting for simple, two-point adjustment.
- Pneumatic entry/exit pinch rolls provide powerful clamping without manual adjustment.

### SPECIFICATIONS Inches (mm)

Model	Max. Stock Width	Capacity Mild Steel Min./Max.	Straightening Roll Dia.	Center Distances	Pinch Roll Dia.
30D	30 (762.000)	.021/.156 (.533/3.962)	2.80 (71.120)	3.25 (82.55)	4.20 (106.680)
36D	36 (914.400)	.021/.125 (.533/3.175)	2.80 (71.120)	3.25 (82.55)	4.20 (106.680)
42D	42 (1066.800)	.021/.125 (.533/3.175)	2.80 (71.120)	3.25 (82.55)	4.20 (106.680)
48D	48 (1219.200)	.021/.093 (.533/2.362)	2.80 (71.120)	3.25 (82.55)	4.20 (106.680)
48HDD	48 (1219.200)	.021/.156 (.533/3.962)	2.80 (71.120)	3.25 (82.55)	4.20 (106.680)
54D	54 (1371.600)	.021/.078 (.533/1.981)	2.80 (71.120)	3.25 (82.55)	4.20 (106.680)
60D	60 (1524.000)	.021/.062 (.533/1.575)	2.80 (71.120)	3.25 (82.55)	4.20 (106.680)
60HDD	60 (1524.000)	.021/.125 (.533/3.175)	2.80 (71.120)	3.25 (82.55)	4.20 (106.680)
72HDD	72 (1828.800)	.021/.125 (.533/3.175)	2.80 (71.120)	3.25 (82.55)	4.20 (106.680)

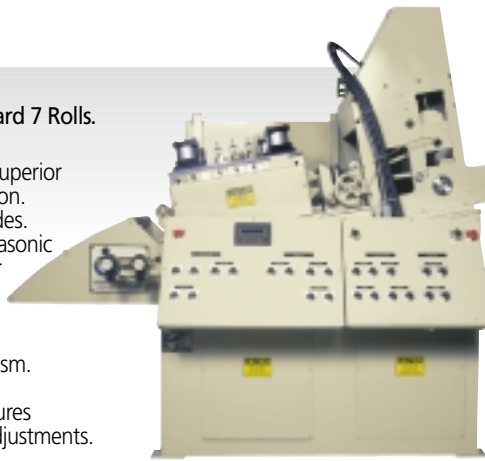


### SERIES 3.5

Individual Roll Adjustment. Standard 7 Rolls.

#### Features:

- Motor driven helical gearbox for superior performance and power distribution.
- Heavy-duty hand wheel edge guides.
- Modulating drive system with ultrasonic control regulates output speed for smooth delivery of material.
- Individual upper roll straightening adjustment to enable leverage for roll pressure and maintain parallelism.
- Pneumatic entry/exit pinch rolls.
- Cluster gearing on pinch rolls ensures proper mesh through thickness adjustments.



#### SPECIFICATIONS Inches (mm)

Model	Max. Stock Width	Capacity Mild Steel Min./Max.	Straightening Roll Dia.	Center Distances	Pinch Roll Dia.
12-3.5	12 (304.800)	.028/.312 (.711/7.925)	3.50 (88.900)	4.50 (114.300)	3.5 (82.55)
18-3.5	18 (457.200)	.028/.281 (.711/7.137)	3.50 (88.900)	4.50 (114.300)	3.5 (82.55)
24-3.5	24 (609.600)	.028/.250 (.711/6.350)	3.50 (88.900)	4.50 (114.300)	3.5 (82.55)
30-3.5	30 (762.000)	.028/.219 (.711/5.563)	3.50 (88.900)	4.50 (114.300)	3.5 (82.55)
36-3.5	36 (914.400)	.028/.187 (.711/4.750)	3.50 (88.900)	4.50 (114.300)	3.5 (82.55)

### SERIES 64

Single Bank Roll Adjustment. Standard 7 Rolls.  
Optional 9, 11 or More Rolls.

#### Features:

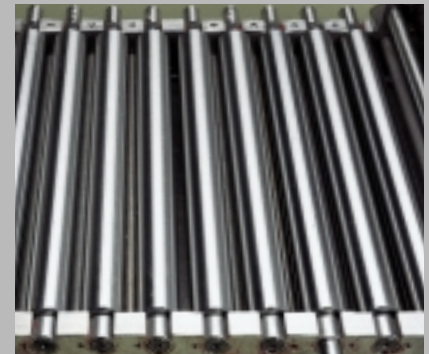
- Motor driven helical gearbox for superior performance and power distribution.
- Heavy-duty hand wheel edge guides.
- Modulating drive system with ultrasonic control regulates output speed for smooth delivery of material.
- Powered head adjustment.
- Hydraulic operated entry/exit pinch rolls provide unparalleled traction.

#### SPECIFICATIONS Inches (mm)

Model	Max. Stock Width	Capacity Mild Steel Min./Max.	Straightening Roll Dia.	Center Distances	Pinch Roll Dia.
12-64	12 (304.800)	.048/.375 (1.219/9.525)	4 (101.600)	6 (152.400)	6 (152.400)
18-64	18 (457.200)	.048/.328 (1.219/8.331)	4 (101.600)	6 (152.400)	6 (152.400)
24-64	24 (609.600)	.048/.281 (1.219/7.137)	4 (101.600)	6 (152.400)	6 (152.400)
30-64	30 (762.000)	.048/.250 (1.219/6.350)	4 (101.600)	6 (152.400)	6 (152.400)
36-64	36 (914.400)	.048/.219 (1.219/5.563)	4 (101.600)	6 (152.400)	6 (152.400)
42-64	42 (1066.800)	.048/.187 (1.219/4.750)	4 (101.600)	6 (152.400)	6 (152.400)
48-64	48 (1219.200)	.048/.156 (1.219/3.962)	4 (101.600)	6 (152.400)	6 (152.400)
54-64	54 (1371.600)	.048/.140 (1.219/3.556)	4 (101.600)	6 (152.400)	6 (152.400)
60-64	60 (1524.000)	.048/.140 (1.219/3.556)	4 (101.600)	6 (152.400)	6 (152.400)
72-64	72 (1828.800)	.048/.125 (1.219/3.175)	4 (101.600)	6 (152.400)	6 (152.400)

Model 64HD (Heavy Duty) Straightener also available with powered roll adjustment, digital roll position read-outs and backed-up rolls for heavier applications as shown.

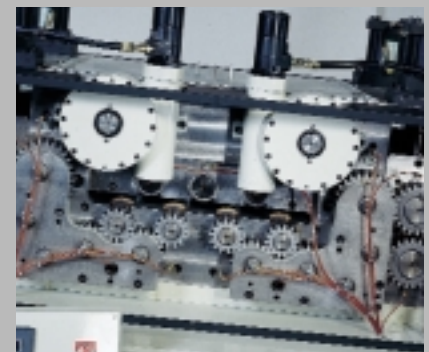
86 SERIES Straighteners available with 8" diameter pinch rolls and 6" diameter straightening rolls for special applications. Features and specifications upon request.



*Small diameter, closely centered work rolls ensure precision flatness over a wide range of materials and thicknesses.*



*Heavy duty, precision-machined straightening rolls, heat treated to 58-62 Rockwell and backed up to prevent deflection.*



*Heavy duty, power-driven split gear train distributes power evenly and efficiently to lower straightening rolls and entry/exit pinch rolls.*



*Popular and economical hand valve controls provide machine assist in the threading-up process of heavy and wide coil applications. Consolidated pushbutton and touch screen controls are optional.*



### Control Automation

CWP provides a variety of high performance control options, including user friendly Total System Control (TSC) technology. 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.



### 17-Roll Straightener

CWP developed the high performance 17-roll straightener that can process a 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, permitting exceptional straightening quality.



### Cradle Straightener

Equipped with hold-down arm and peeler/threader system for materials up to .187" thick. Ideal for progressive die or blanking operations.



### 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.



### Straightener/Feeder

Ideal solution for limited floor space conditions. Extremely cost-effective configuration for heavy blanking or cut-off operations. Model 86-60 Series (shown) handles up to 1/2" thick high yield material.



### Combination Coil Catcher, Peeler and 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.



### Total System Solutions

CWP designs and manufactures rugged coil handling system solutions to accommodate stock up to 84" wide x .500" thick and coils weighing up to 80,000 lbs.

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