

# STRAIGHTENERS

## LIGHT-DUTY

- Variable Speed Frequency
- Drive 52100 Alloy Rolls RC
- 60/64 Gear Cluster Drive
- Rolls 4340 Alloy Steel with Hardened Teeth

## MEDIUM-DUTY

- Variable Speed Frequency
- Drive 52100 Alloy Rolls RC
- 60/64 Gear Cluster Drive
- Rolls 8620 Alloy Steel with Hardened Teeth

## HEAVY-DUTY

- Variable Speed Frequency
- Drive 52100 Alloy Rolls RC
- 60/64 Gear Cluster Drive Rolls
- 8620 Alloy Steel with Hardened Teeth
- Heavy-Duty anti-friction Roller Bearings

## EXTRA HEAVY-DUTY

- Variable Speed Frequency
- Drive 52100 Alloy Rolls RC
- 60/64 Gear Cluster Drive
- Rolls 8620 Alloy Steel with Hardened Teeth
- Heavy-Duty anti-friction Roller Bearings
- Hardened back-up rolls



**EVERY COLT STRAIGHTENER  
HAS 52100 ALLOY ROLLERS  
GROUND TO RC 60/64**

## EVERY COLT STRAIGHTENER IS BUILT TO EXACTING STANDARDS

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!**

**6 to 84 inches wide  
1000 lbs to 80,000 lbs Coils  
60 to over 100ksi**

## ALWAYS INNOVATING

Using the latest Variable Frequency Drives with Ethernet /IP interface. When integrated with a laser loop sensor, your Colt Straightener and Uncoiler **will run at constant speed**, matching the throughput of the Feeder eliminating the start/stop motion. **This will reduce wear and tear and increase service life of drive components.**



6175 Kestrel Road  
Mississauga, ON, CANADA L5T 1Z2  
CALL: 905-625-6600  
EMAIL: [sales@coltauto.com](mailto:sales@coltauto.com)

[www.coltauto.com](http://www.coltauto.com)



# STRAIGHTENER SCIENCE

## LIGHT-DUTY

### MODEL #CPSL/CPSLA

For straightening certain  
Mild Steel | AHSS | HSLA

2½" (63mm) Straightener & Pinch  
Rolls / 2¾" (70mm) Roll Spacing

- Multiple Drive & Speed Options
- Heavy-Duty Construction

## MEDIUM-DUTY

### MODEL #CPS2

For straightening certain  
Mild Steel | AHSS | HSLA

3½" (89mm) Pinch Rolls / 3½"  
(89mm) Straightener Rolls

- Multiple Drive & Speed Options
- Heavy-Duty Construction

## HEAVY-DUTY

### MODEL #CPSH3/CPSH7

For Straightening 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 #CPSEHIJ/CPSEHIJ2

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



**KEEP YOUR FEED LINE  
RUNNING SMOOTH AND  
MAXIMIZE YOUR UPTIME**

### COLT STRAIGHTENERS BRING EUROPEAN QUALITY AT NORTH AMERICAN VALUE

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 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, resulting in less wear and downtime.

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

Colt only uses 52100 Aviation Grade Alloy for Straightener Roll Construction, once ground and polished Colt Straightener Rolls meet or exceed Rockwell grade 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 extend equipment uptime and life cycle.

### BENEFITS & OPTIONS OF COLT STRAIGHTENERS

- Stronger construction means less downtime
- Optional configurations 7,8,9,11,13 or more roll options to better suit your needs
- Wide range of equipment to process .020 to over .600
- AHSS | Dual Phase | Cold Rolled

6175 Kestrel Road  
Mississauga, ON, CANADA L5T 1Z2  
CALL: 905-625-6600  
EMAIL: [sales@coltauto.com](mailto:sales@coltauto.com)

[www.coltauto.com](http://www.coltauto.com)

