

# HD Series Power Straightener

**COE**  
PRESS EQUIPMENT

## A Straightener for the Most Demanding Materials

To meet the challenges of today's AHSS and other high yield materials, we offer our patent-pending HD Series power straighteners with significant design enhancements over previous heavy duty straightener styles. These systems can handle materials of up to 1000 Mpa yield strength and provide hands-free material threading.

No matter what your requirement, COE Press Equipment has a power straightener to fit your need. Featuring modular design and construction, our straighteners are recognized as the "best value in the industry".

### FEATURES & BENEFITS

#### Straightener & Pinch Rolls

- Up to 20% larger journal diameters
- Up to 15% wider gear face widths
- Up to 15% greater bearing load ratings
- Worm gear housing optimizes roll center spacing
- Up to 55% greater straightener roll delivery force
- Up to 40% deeper straightener roll depth penetration

#### Idler Gear Shafts

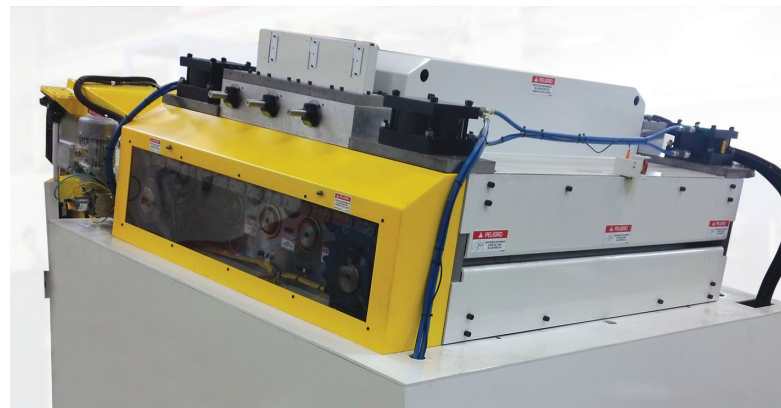
- Up to 40% larger diameter
- 95% greater bearing load rating
- Outboard bearing support of idler shafts

#### Backup Rollers

- Increased strength of bridge support mechanism
- Increased roller diameter for improved rigidity

#### Other

- Improved motor and reducer package with "vector" drive
- More rigid drive chain idler sprocket arrangement
- Modular mounting of all accessory and option features



### HD Series Processing Capabilities

- 3 models available: 306/406/507
- Widths from 1.0" – 84.0"
- Thickness from .010" – .620"
- Coil weights up to 60,000 lbs.
- Yield strengths up to 1000Mpa

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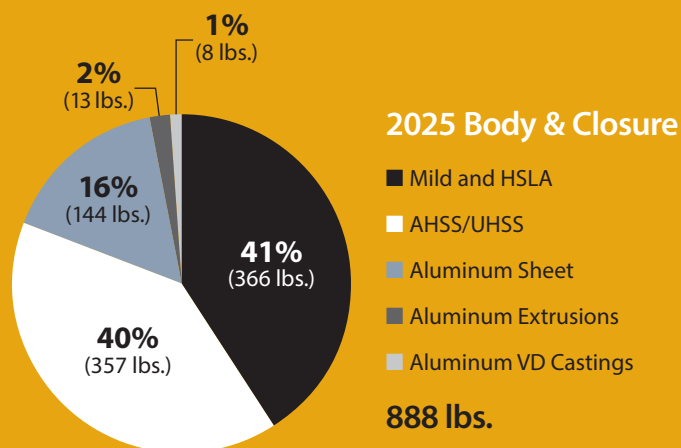
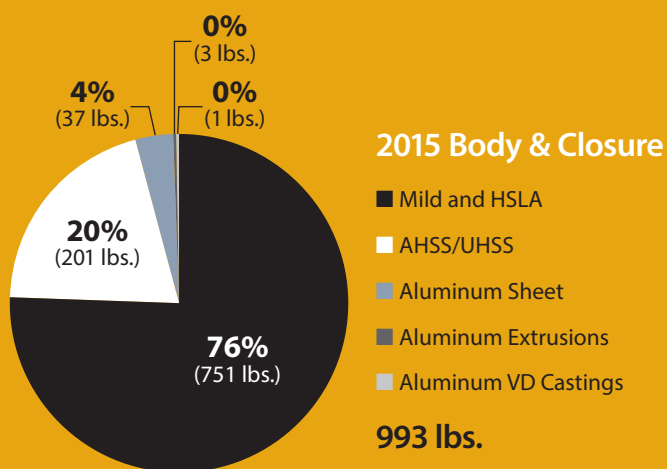
## Technology for today's trends

Improving fuel economy is a major focus for all automakers as they strive to fulfill the NHTSA 2025 mandate of 54.8 average miles per gallon. A key technology focus to accomplish this is the use of lightweight materials, with Advanced High Strength Steels (AHSS) and Ultra High

Strength Steels (UHSS) playing a major role. According to Ducker Research, the usage of these steels is expected to increase to 40 percent\* of body and closure content by 2025 as compared to 13 percent for aluminum.

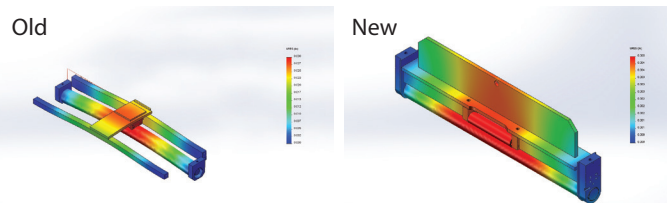
\*not including pickup ladder frames

## Growth Forecast of North American Light Vehicle Material Mix for Body and Closures



Statistics from Ducker Research

COE is staying ahead of the challenge and providing today's stampers and fabricators a technologically-advanced straightener designed specifically to handle tomorrow's Advanced High Strength Steels. We're focused on developing better products based on the science behind the solution.



Straightener roll deflection is reduced by up to 85% with the increased strength and rigidity of the HD Series Straighteners.

*At COE Press Equipment, we believe that there is always a better way. Our goal is to make your operations run smoothly and profitably. We apply our engineering knowledge, materials expertise, and industry experience to consistently provide solutions that address your manufacturing challenges and simplify your plant floor operations.*

## COE'S EXCLUSIVE 5-4-3 WARRANTY

All Heavy Duty Servo Roll Feeds are backed by the COE 5-4-3 Warranty – five year limited coverage on components manufactured by COE Press Equipment; four year limited coverage on mechanical components installed by COE Press Equipment; and three year coverage on the complete system.



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