

# ServoMaster Series 3 Roll Feeds

**COE**  
PRESS EQUIPMENT

ServoMaster Series 3 servo roll feeds provide the speed, precision, and power to meet the demands of medium and heavy gauge material stamping applications. With 3.0" diameter feed rolls, this series of roll feeds can process material from .010" to .250" in thickness, depending on the material width and speed requirements. COE Press Equipment combines modular design, high quality components and precision assembly to produce dependable and versatile servo roll feeds that are the best value in the industry.

## FEATURES & BENEFITS

- High performance AC brushless servo motor
- Low inertia, high torque servo motor and drive
- Kevlar belt and low inertia sheave drivetrain
- Precision cluster gear driven upper feed roll
- Upper roll mounted on pivoting yoke assembly
- Pivoting arrangement maintains gear mesh
- Single air cylinder with built-in stroke adjustment
- Easy adjustment of pilot release roll opening
- Air regulator provides variable roll pressure
- Fully funneled stock path for effective threading
- Quick release vertical edge guide assembly
- 4 roll catenary section for material support
- Press mount bracket with +/-3" adjustment
- Pre-wired cable set in flexible sealtite conduit
- Ergonomic desk-type slant top enclosure
- **ServoMaster Touch™ Controller**
  - User friendly 5.7" VGA color touchscreen
  - Ethernet or serial communications to press
  - "Feed Advisor" feature optimizes performance
  - English or Spanish language capability
  - Inch or Metric programming capability
  - "On the Fly" feed length micro-adjust
  - Optional servo feed automation functions
  - Many other standard features...



## OPTIONS

- Self-centering and independent edge guides
- Adjustable bracket with +/- 3" or with +/- 4" adjustment
- Pull-thru straighteners available

## SERVOMASTER SERIES 3 PROCESSING CAPABILITIES:

- 3.0" diameter feed rolls
- Material thickness from .010"-.250"

**SERVOMaster Series 3**

# SERVOMaster Series 3



## Machine Specifications

| Model CPRF SM-3                          | 12    | 18    | 24    | 30    | 36    | 42    |
|--|-------|-------|-------|-------|-------|-------|
| Maximum Material Width                   | 12.0" | 18.0" | 24.0" | 30.0" | 36.0" | 42.0" |
| Thickness at Full Width                  | .210" | .187" | .156" | .125" | .090" | .060" |
| Maximum Velocity (FPM)                   | 367   | 367   | 367   | 367   | 367   | 367   |
| Maximum Acceleration (FPS <sup>2</sup> ) | 75    | 65    | 55    | 55    | 55    | 55    |
| Standard Drive Ratio*                    | 3:2.1 | 3:2.1 | 3:2.1 | 3:2.1 | 3:2.1 | 3:2.1 |

## Strokes Per Minute

| Model CPRF SM-3                | 12            | 18            | 24            | 30            | 36            | 42            |
|--------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Maximum Thickness @ Full Width | .210" x 12.0" | .187" x 18.0" | .156" x 24.0" | .125" x 30.0" | .090" x 36.0" | .060" x 42.0" |

### — With 180° Press Angle

|                 |     |     |     |     |     |     |
|-----------------|-----|-----|-----|-----|-----|-----|
| 2" Progression  | 232 | 220 | 206 | 204 | 206 | 206 |
| 6" Progression  | 151 | 142 | 132 | 132 | 132 | 132 |
| 12" Progression | 107 | 102 | 96  | 96  | 96  | 96  |
| 18" Progression | 82  | 80  | 76  | 76  | 76  | 76  |
| 24" Progression | 67  | 65  | 63  | 63  | 63  | 63  |
| 30" Progression | 57  | 55  | 54  | 54  | 54  | 54  |
| 36" Progression | 49  | 48  | 47  | 47  | 47  | 47  |

### — With 240° Press Angle

|                 |     |     |     |     |     |     |
|-----------------|-----|-----|-----|-----|-----|-----|
| 2" Progression  | 309 | 293 | 275 | 275 | 275 | 275 |
| 6" Progression  | 201 | 190 | 177 | 177 | 177 | 177 |
| 12" Progression | 142 | 136 | 129 | 129 | 129 | 129 |
| 18" Progression | 110 | 106 | 102 | 102 | 102 | 102 |
| 24" Progression | 90  | 87  | 85  | 84  | 84  | 84  |
| 30" Progression | 76  | 74  | 72  | 72  | 72  | 72  |
| 36" Progression | 65  | 64  | 62  | 62  | 62  | 62  |

\* "Plus" Drive Ratio of 4.0:1 available for increased material capacity and pull-thru straightener applications.

*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 develop solutions that address your manufacturing challenges and simplify your plant floor operations.*

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

All COE products are backed by the COE 5-4-3 Warranty – five year limited coverage on components manufactured by COE; four year limited coverage on mechanical components installed by COE; and three year coverage on the complete system.



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