



## 310 SERIES SPECS

WDM Model \_310-6-48\_ New all electric drive initial pinch sheet & plate bending machine has a nominal top roll diameter of \_6\_inches.

The rated rolling capacity for this machine is \_0.32\_” mild steel plate to \_24\_” diameter, by \_4\_’ wide.

Special rolling capacity for this machine is \_0.25\_” mild steel plate to \_12\_” diameter, by \_4\_’ wide.

This machine weighs approximately \_2,500\_ pounds.

### SPECIFICATIONS

- \_5\_hp TEFC main drive motor
- \_3\_hp TEFC PBA motor
- NEMA 12 electrical enclosures
- Electrics to NFPA 79 Specifications
- 230/460-volt 3 phase 60 hertz electrics
- 1045 steel rolls
- 20 FPM rolling speed

### STANDARD FEATURES

- All gear drive
- Sealed ball & roller bearings on all rolls and idler gears
- Unique all electric drive via gear motors
- Infinitely variable speed via variable frequency drives
- No Hydraulics
- 30% more effective than hydraulic machines
- Independent adjustment of the pinch roll via a handwheel-wedge-screw arrangement
- Steel bearing cases and bronze wedges
- Bending roll adjusted with handwheel via bronze worm gear/alloy steel screw arrangement, tiltable for cone rolling.

- Instant start, stop, and reverse via guarded foot pedal
- Safety cable on three sides of the machine
- Swing out top roll for easy work piece removal with new easy unlock feature
- Starting groove in pinch roll to facilitate rapid work piece pre-bending and rolling.
- Aluminum scale and pointer to show bending roll position
- Haze gray epoxy and safety blue enamel finish

#### COMPONENT SUPPLIERS

SKF, Hoffman, Red Lion, McGill, SEW Eurodrive, Yaskawa, Smalley, Standard, INA, G&C, Saginaw, ABB, SSC, and others.

#### TERMS AND CONDITIONS OF SALE

F.O.B. Spencer, TN

Delivery \_\_12\_\_ to \_\_14\_\_ weeks A.R.O subject to workload at time of order

Terms:

1/3 with order

1/3 prior to shipment

1/3 net 30 days

#### AVAILABLE OPTIONS FOR THE 310 SERIES

- Cone Attachment - \$2,050
- Hardened and Polished Rolls - \$2,300
- Circular Grooves 3/8, 1/2, 5/8 - \$950
- Additional Starting Groove - \$175
- Third Roll Drive - \$2,050
- Electric Digital Readout - \$2,600
- Power Bending Adjustment - \$3,450
- Power Disconnect - \$950
- Single Axis Side Support (manual) - \$3,600
- Overhead Support 8' Max (manual) - \$5,650

FOR 3105 AND 3106

- Extended Shafts - \$2,000
- Section Dies - \$3,200
- Pipe/Profile Dies 3.5" wide - \$2,500
- Guide Roll Attachment - \$1,500
- Anti-Twist Attachment - \$1,500

**EXTENDED SHAFT CAPACITY**  
(310-5 and 310-6 models only)

Material	310-5	310-6	Options Required
Angle Leg In	1-1/4 x 1/4`	1-1/2 x 1/4	ES, SD, GRA, ATA
Angle Leg Out	1-1/4 x 1/4	1-1/2 x 1/4	ES, SD, GRA
Square Bar	1-1/8	1-1/4	ES, SD
Flat on Flat	1/2 x 4	1/2 X 6	ES, SD
Flat on Edge	3/4 x 1-1/2 or 1/2 x 1-3/4	3/8 X 2-1/4	ES, SD
Pipe	1-1/4 Schedule 80	1-1/2 Schedule 40	ES, PRD
Round Bar	1-3/8	1-3/8	ES, PRD

WARRANTY

Waldemar Design & Machine L.L.C. guarantees for a period of one year from the date of original purchase all necessary repairs and parts replacements to this unit occasioned by defective workmanship and/or material. Should any failure occur during this time period, purchaser agrees to return defective part to factory for repair or replacement at factory's option.

We thank you for your interest in Waldemar Design & Machine L.L.C., and we look forward to receiving your valued order. If you have any questions, please do not hesitate to contact us.

Regards, Waldemar Design & Machine L.L.C.