STANDARD FEATURES
- 1045 Steel rolls machined to 63 micro inches
- Total hydraulic operation
- Instant start-stop-reverse
- Roll speed infinitely variable 0 to 22 FPM
- 2 Roll drive
- 3 Phase 230/460 Volts
- Electrics to NFPA-79 specifications
- 120 Volt Control Circuit
- Overload protected
- TEFC motor
- Quiet hydraulic system
- Haze gray epoxy and blue enamel finish (V.O.C. compliant)
- Sealed spherical roller bearings on all main points
- Rolls tilt for cone rolling
- Rolls driven through efficient spur gear drives or planetary speed reducers
- Dial pointer type roll position indicators
- Horizontal starting groove in pinch roll (Optional at no charge)
- Hydraulically actuated drop-end
- Accurately machined, compact, streamlined, all welded steel frame
- 1 year warranty
- Made in Liberty, KY, USA using components from American and worldwide companies

STANDARD OPTIONS
- Hardened and polished rolls 28-32 Rc. (4140 HT)
- Hardened and polished rolls 55-60 Rc. (1045 flame hardened)
- Other alloys and finishes are available, inquire
- Squaring grooves in lower rolls
- Circular grooves in rolls for rolling rods or sheets with wire edges 3/8, 1/2, and 5/8
- Other special circular grooves for extrusions etc.
- Forward & reverse guarded foot pedal for roll rotation
- Cone attachment
- Third roll drive
- Heavy duty cone attachment
- Side supports
- Overhead supports
- Ejectors
- DRO for roll position instead of dial pointer indicator (Series 421)
- Same as above on both ends of rolls (Series 422)
- DRO with 2-preset stops for roll position indicators and control (Series 423)
- Same as above with an additional DRO to show position of outboard end of roll (Series 424) useful for cone rolling
- DRO length indicator to show length rolled to facilitate forming of flat-radius-flat, etc. type workpiece (Series 1)
- Same as above with 2 presets (Series LP)
- Same as above with 6 presets (Series LP6)
- Electric roving pendant control to replace manual valves on machine housing
- Moveable console electric control to replace manual valves on machine housing

CAPACITY AND RATING SPECIFICATIONS
<table>
<thead>
<tr>
<th>Model</th>
<th>Rated Capacity</th>
<th>Capacity 12x Top Roll Dia</th>
<th>Nominal Top Roll Diameter</th>
<th>Horse-power</th>
<th>Size L x W x H</th>
<th>Approximate Weight</th>
<th>Bar on Edge</th>
<th>Capacity Angle</th>
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</thead>
<tbody>
<tr>
<td>K-5-5</td>
<td>.060 x 8</td>
<td>.140 x 8</td>
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</tbody>
</table>

- Automatic cycle PLC controlled for high production (Series 425-4)
- Independent roll rotation and roll adjustment speed control (standard on larger machines K-12 and above)
- Side supports
- Overhead supports, feed tables, automatic feeders, manual and automatic ejectors
- Special electrics
- Special customer-supplied paint

**NON-STANDARD OPTIONS**

- Chromed rolls
- Special extra smooth rolls
- Special grooves in rolls
- High-speed version

**TRAINING**

Waldemar Design & Machine L. L. C. strongly encourages the dealer and/or customer to visit our plant upon completion of the machine to receive free training on the machine operation and maintenance.

**WARNING**

We have incorporated safety features into this machine. It is the responsibility of the owner / employer to provide point-of-operation guards or operating procedures necessary to adequately protect operator.