ERCOLINA® HANDRAIL FABRICATION SYSTEM

Ercolina’s handrail professional series package includes:

- Erco Bender three axis CNC automatic bending machine
- 1-1/4” pipe schedule 40 set complete
- 1-1/2” pipe schedule 40 set complete
- 1-1/2” tube for .120 wall set complete
- Auto mandrel lubrication pump
- Bendtech software for external computer
- Machine training on-site

- Produce handrail to design in minutes
- Dramatically reduce operator handling and shop labor cost
- Improve quality to your customers providing mandrel quality bends in steel, stainless and aluminum
- Eliminate additional cost of weld elbows, material waste, weld, grind and finish operations
- Control your production time and process
- Quickly store and recall previous handrail programs
- Ercolina’s tool set data files maintain machine start position enabling the operator to quickly change to the next job
- Optional software available directly imports properly formatted IGES and Dxf engineering files from compatible CAD programs
- Create your own data with optional Bend-Tech software
- Professional on-site machine training included
Interactive CNC Control Panel

Interactive Touch Screen Control

- Graphic Simulation
- Part Layout
- Main Screen
- Touch Screen Programming
- Bend Angle & Springback
- Store All Tool Set Information
- Store Material Information

Interactive CNC Control
Available on these Models:

- Erco Bender 65
- Erco Bender 76
- GB100 Giga Bender
- GB130 Giga Bender
- GB200 Giga Bender
**EB65 & EB76 Erco Bender**

Automatic 3 Axis Mandrel Machines

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**FEATURES**

- Extended bending head capable of bending complex shapes and profiles
- Automatic or manual bend sequencing
- Independent pressure and clamp die adjustment
- Programmable carriage movement for tight radii
- Interactive touch screen with auto and manual operating modes, system diagnostics and multiple language capability
- Standard right hand bending direction
- Programmable material springback settings for each bend angle
- Programmable auto mandrel positioning allows operator to optimize extraction for improved bend quality
- Programmable tail stock interference zone monitors position and eliminates workhead collision
- USB for unlimited program memory storage and communication

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Space underneath the work head completely free!

Part# EB76CNC6V5

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**Fully Automatic – Cost Effective**

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ercolina-usa.com
### EB65 & EB76 Capacities & Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>EB65</th>
<th>EB76</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Tube Capacity</td>
<td>2½&quot; (.083 wall)</td>
<td>3&quot; (.083 wall)</td>
</tr>
<tr>
<td></td>
<td>2½&quot; (.065 wall)</td>
<td>3&quot; (.065 wall)</td>
</tr>
<tr>
<td>Max. Pipe Capacity</td>
<td>1½&quot; Sch. 40</td>
<td>2&quot; Sch. 40</td>
</tr>
<tr>
<td>Max. Bending Radius</td>
<td>9.8&quot;</td>
<td>9.8&quot;</td>
</tr>
<tr>
<td>Min. Bending Radius</td>
<td>1.5 x Ø</td>
<td>1.5 x Ø</td>
</tr>
<tr>
<td>Max. Shaft Rotation</td>
<td>210°</td>
<td>210°</td>
</tr>
<tr>
<td>Max. Bending Angle</td>
<td>185°</td>
<td>185°</td>
</tr>
<tr>
<td>Max. Tailstock Capacity</td>
<td>2½&quot;</td>
<td>3&quot;</td>
</tr>
<tr>
<td>Interactive Touch Screen Control</td>
<td>10&quot; color screen</td>
<td>10&quot; color screen</td>
</tr>
<tr>
<td>Max. Material Length  – Standard table</td>
<td>13’</td>
<td>13’</td>
</tr>
<tr>
<td>Optional Table Extension</td>
<td>21’</td>
<td>21’</td>
</tr>
<tr>
<td>Minimum Underhead Swing Clearance</td>
<td>14.5&quot;</td>
<td>15.5&quot;</td>
</tr>
<tr>
<td>Length of Bending Head</td>
<td>59&quot;</td>
<td>59&quot;</td>
</tr>
<tr>
<td>Maximum Carriage Travel</td>
<td>125&quot;</td>
<td>125&quot;</td>
</tr>
<tr>
<td>Number of Programs</td>
<td>Unlimited</td>
<td>Unlimited</td>
</tr>
<tr>
<td>Precision of Bend Angle</td>
<td>+/- .5°</td>
<td>+/- .5°</td>
</tr>
<tr>
<td>Power</td>
<td>Three Phase 480V</td>
<td>Three Phase 480V</td>
</tr>
<tr>
<td>Dimensions (Height x Width x Length)</td>
<td>52&quot; x 44&quot; x 205&quot;</td>
<td>52&quot; x 44&quot; x 205&quot;</td>
</tr>
<tr>
<td>Weight</td>
<td>7,200 lbs.</td>
<td>7,400 lbs.</td>
</tr>
</tbody>
</table>

Contact CML USA for complete technical specifications.

All capacities based on mild grade materials; heavy wall and high tensile materials reduce machine capacity.

- Hand-held remote bending control, certified class 3 safety and all electrical components UL, CSA and CE approved
- Graphic bend simulation software included
- Programmable internal mandrel lubrication (3 settings)
- High capacity with auxiliary hydraulic oil cooling
- Quick-change tooling system
- Standard 13’ table, extension available
- Tail stock with through spindle accepts longer material
- Accepts YBC and XYZ input values
- Y - Feeding Electric Servo
- B - Rotation Electric Servo
- C - Bending Hydraulic CNC