

030 3 AXIS MANDREL BENDER®



Programmable hydraulic mandrel retraction.

Digital display of linear and rotational position.



Part# **030-A3/H76**
Mandrel Capacity: 3" Tube
1½" Sch. 40 Pipe
 (10' table displayed – 5' & 20' tables
 not available with base enclosure)

Dimensions & Specifications

Max. Tube Capacity - Mild Steel	3" (.125 wall)
Stainless	3" (.065 wall)
Square Tube	2" (.125 wall)
Max. Bending Radius	7 ⁷ / ₈ "
Min. Bending Radius	1.3" x Ø
Max. Shaft Rotation	210°
Max. Bending Angle	180°
Max. Tailstock Capacity	2 ³ / ₈ " (3" with adapters)
Max. Material Length - 5' table	59"
10' table	118"
20' table	240"
Minimum Distance Between Bends	Consult Factory
Nominal Hydraulic Pressure	150 bar
Mandrel Table (available in 5'-10'-20' lengths)	165"
Maximum Carriage Travel	Consult Factory
Number of Programs	(30) Standard
Precision of Bend Angle	+/- .5°
Three-phase Motor 208V/480V at 50/60 Hz	2.2 kW 16 Amp @ 220V
Dimensions (Height - Width - Length)	44" x 32" x (83"-260")
Weight	1600 lbs.

* Contact CML USA for complete technical specifications.
 All capacities based on mild grade materials; heavy wall and high tensile materials reduce machine capacity.



Operator-friendly control pad.
 Step-by-step programming with
 multi-language capability.

Refer to **Page 19** for Standard Mandrel Tooling

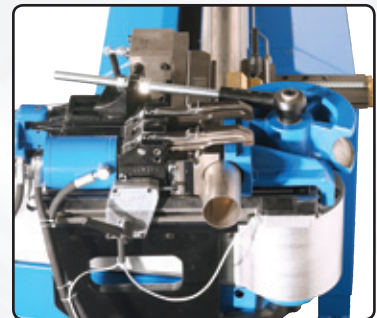
030 3 AXIS MANDREL BENDER®



Features

- Bending capacity to 3"
- Ideal for prototype or small production applications
- Bend to CLR as small as 1.5D
- NC programmable C axis with manual X & Y positioning
- Variable bending speed
- Ideal for bending thin wall mild steel, stainless steel, aluminum and other materials
- Programmable bend sequencing and mandrel retraction
- Independent clamp and pressure die adjustment
- Reinforced tool mounting shaft with heavy duty swing arm for maximum rigidity
- Micrometer wiper die adjustment
- Secondary hydraulic pressure die stabilization system
- Quick change tooling reduces setup time
- Tables available in 5', 10' or 20' lengths; standard with pneumatic material clamping and DRO system for linear and rotational positioning
- Bending software available for easy part layout
- One (1) year limited warranty

Independent hydraulic pressure die support.



Patented hydraulic clamping system minimizes distance between bends.

Reinforced bending arm.



Mega Bender 030 with Mandrel System

Part#	Description
030-A15/H76	Mega Bender® 030 with 5' table
030-A3/H76	Mega Bender® 030 with 10' table*
030-A6/H76	Mega Bender® 030 with 20' table
A15/H76	(5') mandrel table only
A3/H76	(10') mandrel table only
A6/H76	(20') mandrel table only

*10' table displayed – 5' & 20' tables not available with base enclosure