



# GB100SCNC Giga Bender

CNC Mandrel Machine



## Heavy Steel Structure Provides Rigid Platform and Minimizes Vibration

### FEATURES

- GB100SCNC control of 7 axis with Windows controller
- Ideal for industrial mandrel bending of tube, pipe, square and rectangular profiles to center line radius as small as 1.5D
- Programmable bend angles with independent material springback setting for each bend
- Programmable auto mandrel positioning allows operator to optimize extraction for improved bend quality
- Adjustable clamping, pressure die and boost movements with manual override
- Digital encoders on each axis
- Programmable tail stock interference zone monitors position and avoids workhead collision
- Large capacity hydraulic reservoir with automatic cooling system
- Standard hydraulic ports accept Ercolina patented (KST) clam shell clamp system

## GB100SCNC Capacities & Specifications

<b>Giga Bender Model</b>	<b>GB100SCNCV2 (CNC)</b>
Max. Tube Capacity – Mild Steel	4 $\frac{3}{4}$ " (.187 wall) <i>KST std.</i>
Stainless	4 $\frac{3}{4}$ " (.187 wall) <i>KST std.</i>
Square Tube	4" (.125 wall) <i>KST std.</i>
Max. Pipe Capacity – A36	3" Sch. 40
Max. Bending Radius	16"
Min. Bending Radius	1.5 x Ø
Max. Material Length – Standard table	13'
Hydraulic Clamping	(KST) Clam Shell
(C Axis) Rotation / Bend Angle	CCW / 0° to 180°
(B Axis) Bend Plane Rotation	Auto positioning with
(Y1 Axis) Distance Between Bends	digital display
(X2) Pressure Die Linear Travel	Programmable with digital readout
(Y2) Pressure Die In-feed	
Program Storage	Unlimited with USB
Hydraulic Reservoir	40 gal.
Motor (horse power @ 480V)	30
Power	Three Phase 480V
Dimensions (Height x Width x Length)	55" x 51" x 298"
Weight (Dry)	7,200 lbs.

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 electrical components UL, CSA and CE approved
- Standard programmable internal mandrel lubrication
- Super Bend-Tech SE for Ercolina software included
- Accepts YBC and XYZ input values
- Y - Auto Feeding Hydraulic (CNC only)
- B - Auto Feeding Hydraulic (CNC only)
- C - Bending Hydraulic (NC or CNC)