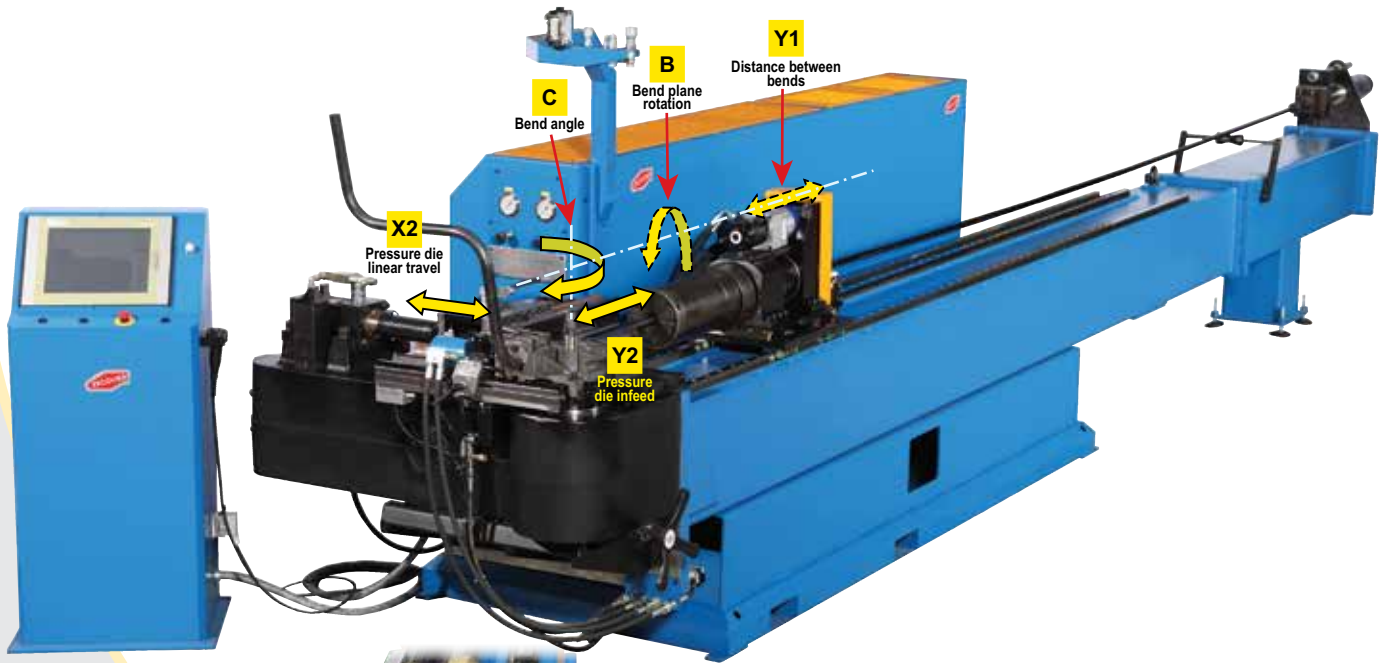


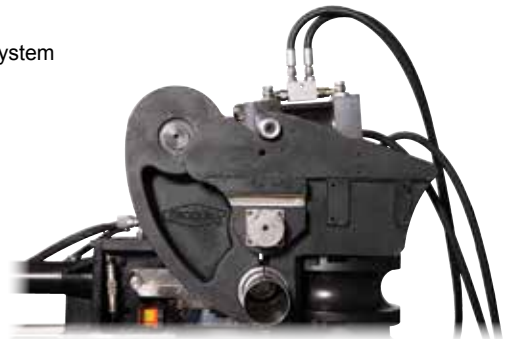


# GB90NC/GB100CNC Giga Bender

NC and CNC Mandrel Machines



(FST) finger clamp system for tube to 3" OD



Ercolina patented (KST) clam shell clamp systems recommended for heavy profiles



## GB Line Heavy Steel Structure Provides Rigid Platform and Minimizes Vibration

### FEATURES

- GB90NC PLC touch screen offers easy access to auto and manual operating modes, system diagnostics and multiple language capability
- GB100CNC 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

# GB90NC/GB100CNC Capacities & Specifications

<b>Giga Bender Model</b>	<b>GB90SNCL4V1 (NC)</b>	<b>GB100SCNCV2 (CNC)</b>
Max. Tube Capacity – Mild Steel	3" (.120 wall) <i>with FST</i>	NA
	3½" (.187 wall) <i>with KST</i>	4¾" (.187 wall) <i>KST std.</i>
Stainless	2" (.120 wall) <i>with FST</i>	NA
	3" (.187 wall) <i>with KST</i>	4¾" (.187 wall) <i>KST std.</i>
Square Tube	2" (.120 wall) <i>with FST</i>	NA
	3½" (.125 wall) <i>with KST</i>	4" (.125 wall) <i>KST std.</i>
Min. Tube Capacity	½"	1"
Max. Pipe Capacity – A36	2½" Sch. 40	3" Sch. 40
Max. Bending Radius	12"	16"
Min. Bending Radius	1.5 x Ø	1.5 x Ø
Max. Material Length – Standard table	13'	13'
Hydraulic Clamping <i>(specify when ordering)</i>	(FST) Finger <i>or</i> (KST) Clam Shell	(KST) Clam Shell
(C Axis) Rotation / Bend Angle	CCW / 0° to 180°	CCW / 0° to 180°
(B Axis) Bend Plane Rotation (Y1 Axis) Distance Between Bends	Manual	Auto positioning with digital display
(X2) Pressure Die Linear Travel (Y2) Pressure Die In-feed	Programmable with digital readout	
Program Storage	Unlimited with USB	Unlimited with USB
Hydraulic Reservoir	40 gal.	40 gal.
Motor (horse power @ 480V)	30	30
Dimensions (Height x Width x Length)	55" x 51" x 298"	55" x 51" x 298"
Weight (Dry)	6,800 lbs.	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.

- GB90 standard hydraulic ports accept Ercolina patented (KST) clam shell or (FST) finger clamp systems
- GB100 standard hydraulic ports accept Ercolina patented (KST) clam shell clamp systems
- 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)