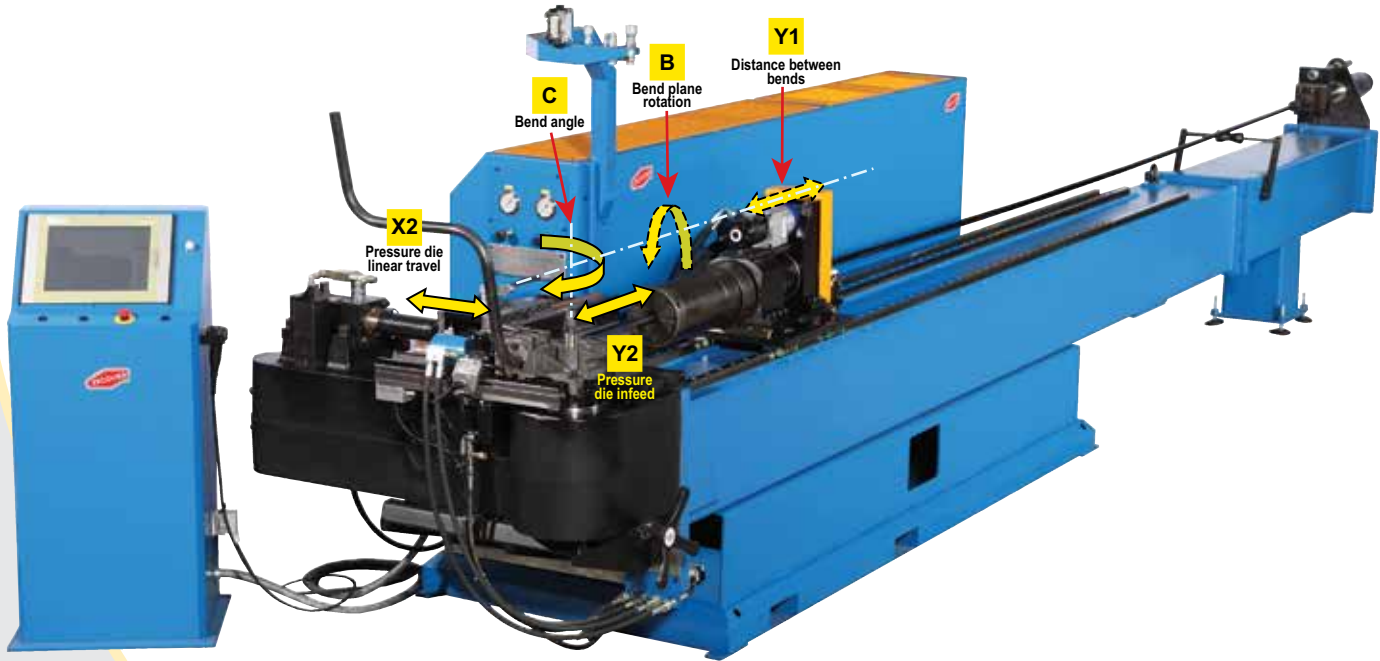


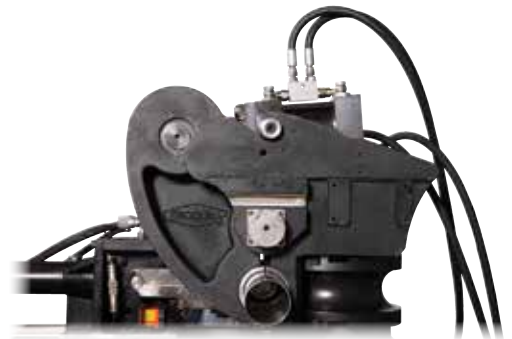


GB90/GB100 CNC Giga Bender

CNC Mandrel Machines
(NC Models Available)



Part# 90SCNC
GB90 standard hydraulic ports
accept Ecolina patented (KST)
clam shell or (FST) finger clamp
systems



GB100 standard hydraulic ports
accept Ecolina patented
(KST) clam shell clamp systems



Heavy Steel Structure Provides Rigid Platform and Minimizes Vibration

FEATURES

- PLC touch screen offers easy access to auto and manual operating modes, system diagnostics and multiple language capability
- Ideal for industrial 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
- GB90 standard hydraulic ports accept Ecolina patented (KST) clam shell or (FST) finger clamp systems

GB90/GB100 CNC Capacities & Specifications

| Model | Giga Bender 90SCNC | Giga Bender 100SCNC |
|--|--|---------------------|
| Max. Tube Capacity – Mild Steel | 3½" (.187 wall) | 4¾" (.187 wall) |
| Stainless | 3" (.150 wall) | 4¾" (.150 wall) |
| Square Tube | 3½" (.138 wall) | 4" (.138 wall) |
| 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' |
| Optional table | 20' | 20' |
| Hydraulic Clamping (specify when ordering) | (FST) Finger or (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 | 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.

- 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 - Feeding Hydraulic
- B - Feeding Hydraulic
- C - Bending Hydraulic CNC