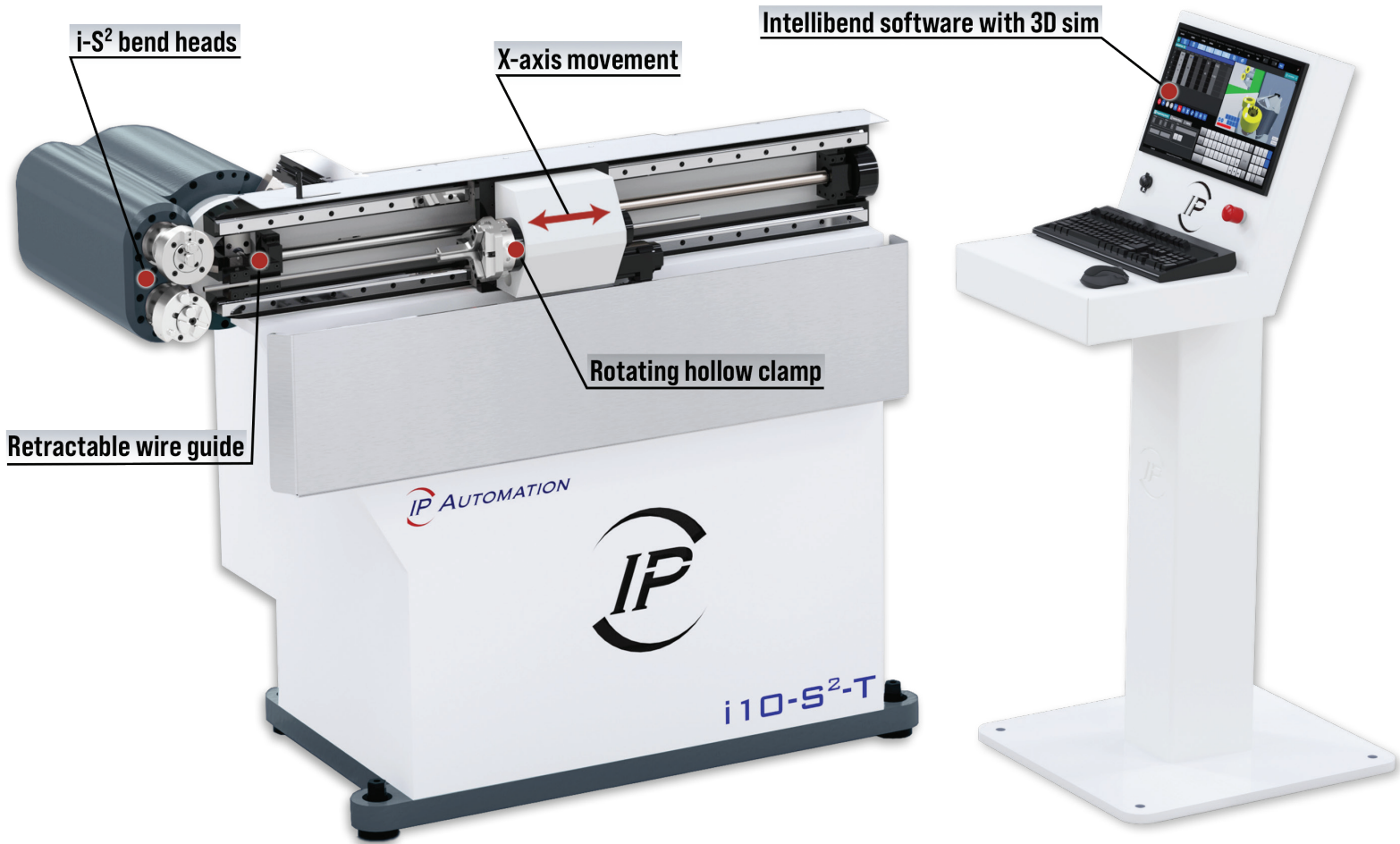
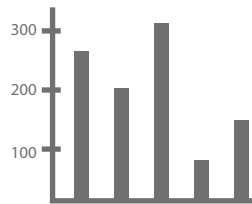


## Multiple bend head 3D CNC bender for precut materials



Pre-formed Parts



High Mix/Low Volume



Heating Elements



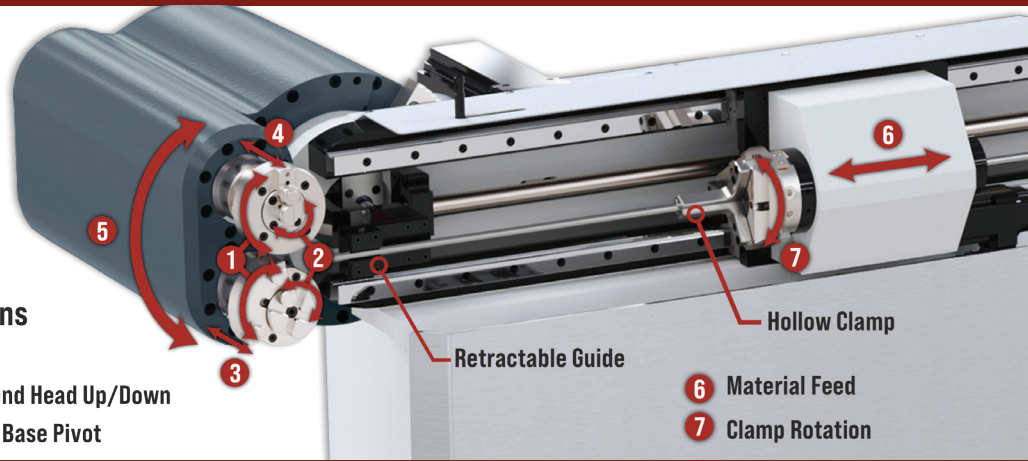
Mandrel Bent Loops

# i-S<sup>2</sup>-T SERIES

## Single Piece Multiple Bend Head CNC Wire Bender

www.ipautomationinc.com  
Phone: (630)656-1215  
Email: sales@ipautomationinc.com  
5220 Thatcher Rd, Downers Grove, IL, 60515

The i-S<sup>2</sup>-T offers a multitude of bending options in a single part format for low volume, high mix production, pre-cut tubing, end forming parts, heating elements and any materials that do not come in coils.

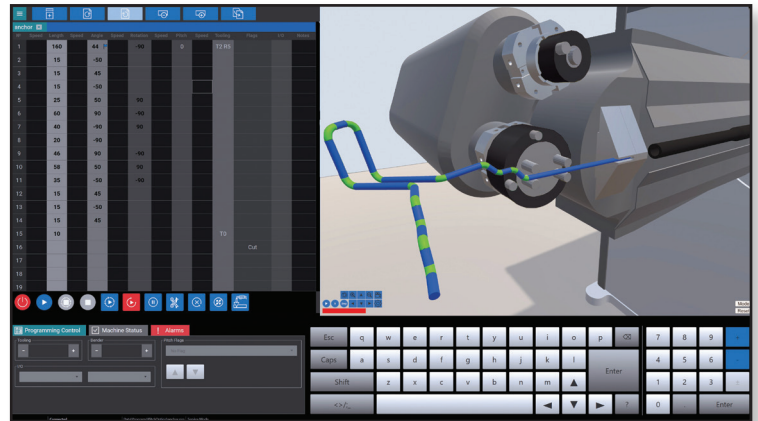


**7 Axis Servo Controlled Motions**

- 1 Bender Rotation
- 2 Center Tool Rotation
- 3 P1 Bend Head Up/Down
- 4 P2 Bend Head Up/Down
- 5 Head Base Pivot
- 6 Material Feed
- 7 Clamp Rotation

**Software Features**

- Intellibend software on Windows 10 operating system with 3D simulation and collision detection
- Length-Rotation-Angle CNC program format
- Remote connectivity through secure VPN tunnel
- OPC-UA protocol for industry 4.0 and IIOT
- Custom I/O functions available



**Bending Features**

- S<sup>2</sup> (S-squared) bend heads
- Two heads with up to 16 radii or custom bending tools
- On-demand re-positioning to either bend head for mandrel, nose, and generated bending
- Servo-controlled bend head height allows for multi-layered tooling
- Out-of -sequence bending is possible with absolute positioning of bend head
- Off-plane positioning facilitates tube bending and mandrel style bending

**Technical Data**

Model	i8-S <sup>2</sup> -T	i10-S <sup>2</sup> -T	i13-S <sup>2</sup> -T
Wire Diameter (Tensile)	2.5-8mm (620 N/mm <sup>2</sup> )	3-10mm (620 N/mm <sup>2</sup> )	4-13mm (620 N/mm <sup>2</sup> )
Bend Radii	up to 16	up to 16	up to 16
# of Servos	7	7	7
Installed Power KVA	8 KVA 3ph 460VAC	8 KVA 3ph 460VAC	10 KVA 3ph 460VAC

Phone: (630)656-1215

Email: sales@ipautomationinc.com

Website: www.ipautomationinc.com

**Headquarters**

5220 Thatcher Rd,  
Downers Grove, IL, USA

**Global Locations**

- Querétaro, Mexico
- Czechia