

**Streamline Your Wire Bending:**  
Automate your wire bending process to reduce cost & training while increasing your productivity & quality.

**In-House Efficiency:**  
Save money by producing faster & in-house, avoiding supply chain woes.

## Transform your wire bending process

### Configurable

Tooling is customized to your specs, wire size & material

### Automated

Produce thousands of repeatable parts with low labor

### Precise

Accurate parts to your specifications

### Art to part in minutes

Quick programming allows you to create one-off prototypes, patient specific parts or small batch production

### Versatile

One machine adapts to a wide variety different parts & wire sizes

### User-friendly

Intuitive software allows new employees to be productive on the first day

### Benchtop size

Easy to move, accommodates to your space constraints & workflow

### Easy to set up

Plug it in, turn it on, you're up & running quickly

## We make it easy!

- 1 Consultative sales process
- 2 Team training support
- 3 Customer support from our team of experts
- 4 Quick lead times

## About Pensa Labs

We are a team of innovation-driven experts who are passionate about helping businesses to unlock their full potential through automation. Our customers are looking to replace manual methods with a more automated workflow. We provide accessible, precise and configurable digital fabrication solutions that simplify workflows, reduce labor costs, training costs and the loss of institutional knowledge, while creating new possibilities.

We have envisioned a new approach to manufacturing. Our equipment enables both the positives of industrialization (low cost, highly repeatable and accurate parts) as well as the advantages of craftsmanship (bespoke customization and specialization).

## Contact

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Learn more at [PensaLabs.com](https://PensaLabs.com)



## Features & Capabilities

### D.I.Wire Pro

### C64

Can it make my part?		
Bend Capabilities	2D	2D + 3D
Wire Dimensions	0.45 mm (0.018") - 4.7 mm (0.1875")	0.4 mm (0.016") - 6.4 mm (0.250"), for other sizes please inquire
Solid wire (stainless steel, spring steel, titanium)	✓	✓
Coated wire, Coax, thick wall tubing, wires with assemblies		✓
Feed	Feed Wheel Driven	Collet Driven
Maximum Die Size	8.2 mm (0.322")	44 mm (1.73")
How accurate is it? Will it make the same part over and over?		
Motors	Open loop stepper driven axes	Closed loop servo motor driven axes
Feed Error	+/- 0.4 mm (0.016")	< +/- 0.01 mm (0.0004")
Bend Pin Error	+/- 0.5°	+/- 0.2°
How easy is it to use?		
Program in simple script language	✓	✓
Part Preview	Limited preview	Animated
Spring Back Compensation	✓	✓ *advanced
Import Format	SVG	CSV, 3D DXF, 3D IGES
Does it fit within my workflow?		
Size	41 cm x 29 cm x 33 cm (16.25" x 11.25" x 13")	102 cm x 46 cm x 70 cm (40" x 18" x 27.5")
Weight	45.3 kg (100 lbs)	109 kg (240 lbs)
Power	100-240 V, 10 A, 50-60 Hz	110/220 V, 450W, 50-60 Hz

Can I expand my automation?		
Cut Capabilities	Optional: 0.45 mm (0.018") - 2.0 mm (0.080")	Included: 0.4 mm (0.016") - 6.4 mm (0.250")
Wire straightener up to 2 mm (0.080")	✓	
How fast can I get one?		
Order now, production lead time:	4-6 weeks	6-8 weeks
How much does it cost?		
Machine	Inquire with sales for a quote	Inquire with sales for a quote
Software	Free software with purchase	Software with purchase, free for first year

\*Indicates higher accuracy and reduced calibration times

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### Learn More

**Want to see our machines in motion? Want to learn more about our Software?**

For more info or to place an order please email [sales@PensaLabs.com](mailto:sales@PensaLabs.com) or visit [PensaLabs.com](http://PensaLabs.com)

