

Wire Bending



The World's first Desktop CNC Wire Bender

What is a D.I.Wire?

The D.I.Wire is a small machine that bends wire into elaborate shapes by following simple vector drawings. The bent wires can then be assembled to make just about any 3D structure.

Ease of Use

First design the shape you require in any design software that outputs .dxf or .svg files – TechSoft 2D Design is ideal (see page 12). Next, drag and drop the file into the Wireware software provided. (Alternatively, script mode can be used to create complex programs using conversational script or G-code.)

Wireware tells you the length of the wire needed and detects any points in the image that the machine cannot bend. Simply connect the D.I.Wire to your computer with a USB cable, load the wire and then press "Bend" in the software to bend your shape in just minutes.

How Does It Work?

Wire is loaded into one end, where a series of feeding rollers ensure it's straight before sending it to a bending head. The machine is capable of forming curves and angles up to 135° (180° for D.I.Wire Pro) while rotating the wire in any direction, giving users freedom in their designs.

Creative Designs

Individual bent wires can be soldered or clipped together to create fantastic 3D structures. D.I.Wire provides endless possibilities for Art and Design students.

D.I.Wire Pro

The new D.I.Wire Pro can work with heavier materials (up to 4.8mm) and can form tighter bend radii with closer parallels, and overlapping shapes such as springs and helices. D.I.Wire Pro bridges the gap between time-consuming hand-bending and expensive large-scale, mass production CNC wire bending.

Specification

	D.I.Wire Plus	D.I.Wire Pro
Dimensions:	241(W) x 368(D) x 171(H)mm	410(W) x 290(D) x 330(H)mm
Weight:	10.8 kg	45.3 kg
Diameter Range:	1.6 mm to 3.2mm	0.7 mm to 4.8mm
Materials:	Steel, Stainless Steel, Aluminium, Brass, Copper, Cold Bend Plastic	Variety of Steels, Aluminium, Brass, Jacketed Wire, Copper, Cold Bend Plastic and more
Maximum Bend Angle:	135°	180°
Interface:	USB	USB

Whats Included?

Software

D.I.Wire Wireware 2.0 Software. Imports DXF and SVG files to output to the wire bender.

Warranty

UK Mainland & Ireland: 1 Year Return to Base
Elsewhere: 1 Year Return and Collect

Prices £*

*See Pricing Information on page 2

TM-DW18	D.I.Wire Plus CNC Wire Bender. Includes 1/8" bend head and feed wheels and D.I.Wire Wireware software	
TM-DWPRO	D.I.Wire Pro CNC Wire Bender. Includes one bend head/ring and one set of feed wheels made-to-order, allen wrench, torque wrench, bolt cutter, calibration plate, sample fixture clips and D.I.Wire Wireware software	

Rods

TAW3-PK1	Mixed Pack of 10 rods, 3m length, diameter 1/8". 4 bright mild steel, 3 brass, 3 aluminium	
TAW3-BMS8-10	Pack of 10 Bright Mild Steel Rods 1/8" diameter, 3m length.	
TAW3-BR8-10	Pack of 10 Brass Rods 1/8" diameter, 3m length.	
TAW3-AL8-10	Pack of 10 Aluminium Rods 1/8" diameter, 3m length.	

Clips

TMP-DW-PCC100	Pack of 100 Pre-Cut Parallel Joint Clips Cut to 3/8"	
TMP-DW-UCC10	Pack of 10 Uncut Parallel Joint Clips 12" long	
TMP-DW-UMC10	Pack of 10 Universal Metal Clips Metal fixture clips for 1/8" wire	

Wire Cutters

TMP-DW-MBC	D.I.Wire Mini Wire/Bolt Cutters 8-inch Lever Action Mini-Bolt Cutter with Notch	
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Recommended Software

2D Design V2 (page 12)