CNC MINI

The CNC Mini is the latest desktop miniature engraving machine for 2D and 3D engravings, photo images and routing projects complete with easy to learn software.

- Fully guarded for maximum safety.
- CNC Mini Engraver can create or import G-codes for CNC carving programs. This function allows you to use additional software programs, such as ArtCAM and BMP programmes.
- Total engraving area (XYZ travel) 220mm x 160mm x 63mm.
- Maximum material thickness 60mm with a resolution of 0.05mm.
- Small lightweight desktop model with micro switch safety cover for safe operation, making it ideal for use in schools and colleges.
- Table size 320mm x 150mm with full-wrap dust enclosure.
- Brushless 80 watt DC motor for low noise and durability for use with 4mm shank tools.
- Use with hardwoods, softwoods, exotic woods and many synthetic materials such as acrylic and ABS, plastic, foam, modelling wax, styrene, epoxy board. Ideal for use with white, brown and clear acrylic to create highly detailed carvings.

CNC/MINI/1 £1,675.00



APPLICATIONS



OPERATION

Easy to Operate

Four simple steps to create your own signs, plaques and models. Use the game pad to control the movement or the computer interface.

Design

This product has been designed especially for beginners with straightforward and simple operation. Fully enclosed for safety, with micro switch cut out.

Compact and Portable

You can move this compact and portable desktop machine from place to place. You can engrave wherever and whenever you like.

All in One

You can drill, rout, mill, cut, shape and carve with this machine.

Multi-function

Ideal for school and colleges, the hobbyist, for DIY projects and businesses.

SOFTWARE

Graphical User Interface

The vivid interface and simple operation has been designed for any user.

Digital Photo

Engrave your digital photos onto wood and acrylic easily. The EDIT software accepts file formats such as: .bmp, .jpg, .png.

Save Money

With our software suite: EDIT and CNC, there is no need to buy other off-the-shelf software to complete your own engraving project.

High Compatibility

Compatible with ArtCAM and BMP programs.

HOW IT WORKS



1. Choose your picture.



3. Choose your cutter.



2. Mirror and invert.



4. Command and carve using the simple interface.



TO TUNGSTEN MINI ENGRAVER CUTTERS

Description	Dimensions (not to scale)	Profile shape	Engraves material	Tool preset code	Product Ref.	Actual size cutters (for prices see below)
R0.25mm conical radius, two flute up-cut spir	ax. 3.0mm R0.25mm		Wood, Acrylic & ABS	4025C150	S66/1X4MMSTC	
R0.5mm conical radius, two flute up-cut spir	R0.5mm ax. 3.7mm		Wood, Acrylic & ABS	4050C150	S66/2X4MMSTC	One of the second secon
R0.25mm ball nose, two flute up-cut spiral	nax. 1.0mm R0.25mm		Acrylic & ABS	4025A020	S66/3X4MMSTC	MINE CONTRACTOR
R0.5mm ball nose, two flute up-cut spiral	nax.1.0mm R0.5mm		Acrylic & ABS	4050A020	S66/4X4MMSTC	work marketining a second
R0.5mm half conical, m radius single flute flat	R0.5mm R0.5mm R15.0mm		Wood	4050E150	S66/5X4MMSTC	
R1.5mm half radius, single flute flat	3.97mm 15.0mm		Wood	4150E150	S66/6X4MMSTC	
2.5mm end mill, two flute up-cut spiral	2.5mm		Wood, Acrylic & ABS	4250B120	S66/10X4MMSTC	0412-0792-01004119-0000010418-0-0700
3.96mm end mill, two flute up-cut spiral	3.96mm 3.96mm [Wood, Acrylic & ABS	4400B150	S66/11X4MMSTC	or a communication between the common particular and the common partic

TUNGSTEN CARBIDE TIPPED MINI V-GROOVE ENGRAVER CUTTERS Profile Engraves material shape Description Dimensions (not to scale) 30° included 1 angle, two flute 'v' engraver Wood 6.3mm

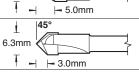
Tool preset code

Product Ref. Actual size cutters (for prices see below)

4635V030 CNCM/1X4MMTC T **⊣**9.0mm 60° included 60° Ţ



6.3mm 'v' engraver 90° included





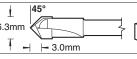


4635V060 CNCM/2X4MMTC



angle, two flute 'v' engraver

angle, two flute





4635V090 CNCM/3X4MMTC Wood



INCLUDES:

1 x USB 2.0 cable 1 x Bravo software disk contains CNC and Edit

1 x Workpiece clamp set (comprising 2 large & 2 small clamps)

1 x USB controller

1 x Support board

1 x Silicon mat

1 x Ball nose carving bit R0.5mm - Ref. S66/4X4MMSTC

1 x Conical radius carving bit R0.5mm - Ref. S66/2X4MMSTC

2 x Brown acrylic sheet 186 x 135 x 2mm 1 x White acrylic sheet 186 x 135 x 2mm

1 x Zeroing point paper

1 x Hex key 2.5mm A/F



TECHNICAL SPECIFICATION:

l able size	320mm x 150mm				
Table load weight	max. 2kg				
Max. movement X-axis 220r	nm, Y-axis 160mm, Z-axis 63mm				
Max. material thickness	60mm				
Engraving speed ma	ax. 2500mm/min, min. 40mm/min				
Resolution	0.05mm				
Power supply inp	ut 220-240v, output DC 24v 4.5A				
Spindle motor	80w DC				
Power consumption	2.0A				
Shank capacity only	4mm				
Operating noise level (standb	y) 39.6dB (A)				
No loading operation noise	< 66dB (A)				
Spindle speed	15000 rpm				
Interface	USB 2.0				
Machine size depth 390n	nm, width 400mm, height 425mm				
Weight	14.9kg				
System requirements:					
PC running Windows XP up to Windows 8					

Acrylic material insert colours.

Ref.TM/IP/B/10 Ref. TM/IP/GSC/8



X 2	





ACCESSORIES

7100001110		
ArtCAM Express	Product Ref.	Price
Upgrade to ArtCAM Express for		
a more fully featured software	CNC/ARTCAM/EXI	P£135.45
CNC Mini Engraver Cutters	Product Ref.	Price
R0.25mm conical radius	S66/1X4MMSTC	£27.12
R0.5mm conical radius	S66/2X4MMSTC	£27.12
R0.25mm ball nose	S66/3X4MMSTC	£27.12
R0.5mm ball nose	S66/4X4MMSTC	£27.12
R0.5mm half conical	S66/5X4MMSTC	£20.60
R1.5mm half radius	S66/6X4MMSTC	£20.60
R2.5mm end mill	S66/10X4MMSTC	£16.25
R3.96mm end mill	S66/11X4MMSTC	£16.25
30° inc. flute 'v'-groove	CNCM/1X4MMTC	£11.67
60° inc. flute 'v'-groove	CNCM/2X4MMTC	£11.67
90° inc. flute 'v'-groove	CNCM/3X4MMTC	£11.67

ER11 Collet Conversion Kit with 3 Collets

1/8", 4mm & 1/4" collets CNCM/ER11/KIT* £84.20 Acrylic Insert Material 10 pack

186 x 135 x 2mm, brown TM/IP/B/10

Decorative Acrylic Insert Material 8 pack 220 x 160 x 3mm gold x 2, silver x 2, transparent* light grey x 2, transparent* dark grey x2 TM/IP/GSC/8

* Note: Reduces Z axis depth of cut to 40mm.

£12.94