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

Create 3D (flat backed) ornaments and pictures.

Engrave name plaques on a variety of materials.

Transform photographs into engravings for a photo realistic look on acrylic and wood.

Create 3D models for moulds and components (using optional software).

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.

trend routing technology

All prices are exclusive of VAT

STC SOLID TUNGSTEN CARBIDE — 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 spiral	R0.25mm, max. 3.0mm, 15.0mm		Wood, Acrylic & ABS	4025C150	**S66/1X4MMSTC**	
R0.5mm conical radius, two flute up-cut spiral	R0.5mm, max. 3.7mm, 15.0mm		Wood, Acrylic & ABS	4050C150	**S66/2X4MMSTC**	
R0.25mm ball nose, two flute up-cut spiral	R0.25mm, max. 1.0mm, 2.0mm		Acrylic & ABS	4025A020	**S66/3X4MMSTC**	
R0.5mm ball nose, two flute up-cut spiral	R0.5mm, max.1.0mm, 2.0mm		Acrylic & ABS	4050A020	**S66/4X4MMSTC**	
R0.5mm half conical, radius single flute flat	R0.5mm, max. 3.5mm, 15.0mm		Wood	4050E150	**S66/5X4MMSTC**	
R1.5mm half radius, single flute flat	1.5mm, 3.97mm, 15.0mm		Wood	4150E150	**S66/6X4MMSTC**	
2.5mm end mill, two flute up-cut spiral	2.5mm, 12.0mm		Wood, Acrylic & ABS	4250B120	**S66/10X4MMSTC**	
3.96mm end mill, two flute up-cut spiral	3.96mm, 15.0mm		Wood, Acrylic & ABS	4400B150	**S66/11X4MMSTC**	

TCT TUNGSTEN CARBIDE TIPPED — MINI V-GROOVE ENGRAVER CUTTERS

Description	Dimensions (not to scale)	Profile shape	Engraves material	Tool preset code	Product Ref.	Actual size cutters (for prices see below)
30° included angle, two flute 'v' engraver	75°, 6.3mm, 9.0mm		Wood	4635V030	**CNCM/1X4MMTC**	
60° included angle, two flute 'v' engraver	60°, 6.3mm, 5.0mm		Wood	4635V060	**CNCM/2X4MMTC**	
90° included angle, two flute 'v' engraver	45°, 6.3mm, 3.0mm		Wood	4635V090	**CNCM/3X4MMTC**	

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:
Table size	320mm x 150mm
Table load weight	max. 2kg
Max. movement	X-axis 220mm, Y-axis 160mm, Z-axis 63mm
Max. material thickness	60mm
Engraving speed	max. 2500mm/min, min. 40mm/min
Resolution	0.05mm
Power supply	input 220-240v, output DC 24v 4.5A
Spindle motor	80w DC
Power consumption	2.0A
Shank capacity only	4mm
Operating noise level (standby)	39.6dB (A)
No loading operation noise	< 66dB (A)
Spindle speed	15000 rpm
Interface	USB 2.0
Machine size	depth 390mm, 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 — X 10

Ref. TM/IP/GSC/8 — X 2, X 2, X 2 *, X 2 *

ACCESSORIES

ArtCAM Express	Product Ref.	Price
Upgrade to ArtCAM Express for a more fully featured software	**CNC/ARTCAM/EXP**	£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**	£12.94

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**	£26.59

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

All prices are exclusive of VAT