

## CNC ENGRAVING MACHINE

### Machine

It is a 'FIXED GANTRY - MOVING TABLE - BED TYPE' machine; comprises of well-ribbed bed-ways, thick walled rigidly built gantry and work-table. All these major parts are made of low vibration graded cast iron and the machine is mounted on heavy-duty steel fabrication for rigidity and stability. Comes standard with stepper motors & micro-stepping drives, ball screws, LMGs, 1.5kw x 24000rpm water-cooled spindle motor, which all-to-gather with its sturdy construction offers vibration-free smooth movement of all axes while working.

### Capable of 2D & 3D ENGRAVING

Capable of 2D & 3D Engraving on most of material: i.e. C.I., M.S., Carbon Steel, Aluminum, Copper, Brass as well as Wood, Plywood, MDF, Fiber, Acrylic, Nylon and other plastics.

### CNC Controller

- ▶ Full featured hand-held DSP Controller with high performance core processor.
- ▶ The controller enables to use G-codes / M-codes for 3D operations.
- ▶ Allows direct import of G-code (NC) files.



Table		
Table overall size	mm	380 x 450 (with water channel)
Nos. of T-slots / size / center distance	mm	3 / 10 / 130
Table load capacity	kg	40
Moving unit		LM Guideways & Ball Screws on all axes
Working Range		
X- axis travel	mm	250
Y- axis travel	mm	350
Z- axis travel	mm	100
Axes feed rate	mm/min	1 ~ 1500 (depends on material)
Rapid traverse	m/min	2.5
Spindle speed	rpm	24000
Max dist from spindle nose & table	mm	104
Max job height accommodated	mm	100
Electricals		
Axes motors		Stepper motors with micro stepping drives
Spindle motor		1.5kw / 24000rpm / 1Ph AC - water cooled
Coolant pump		0.15HP / 1Ph AC
Power supply		230V / 50Hz / 1Ph AC
Type of Collet		ER11 (suitable to hold Ø7 tool)
Machine weight	kg	180 (approx)

### Standard Accessories

DSP Controller | Work Lamp | Water Tank with Pump 2 Sets | Collet 3 nos. | Mounting Pad 4 nos. | Tool Kit | User Manual

### Application

Manufacturing of small dies & moulds, punches, electrodes for spark erosion, embossing dies & tools, vacuum forming dies, solid models, name plates, control panel plates, sign making, logo and design creation, gift articles, mementos, engraving for rubber stereotypes, light milling work, etc.

## ARSUN ENGINEERS

56/1 Vithalwadi Industrial Estate, Bhavnagar 364001 (Gujarat) India.  
Phone: 7222 841 841, 94268 16961 | Email: info@arsun.com, sales@arsun.com