

ARSUN

CNC ENGRAVING MACHINE



COMPACT & PRECISION



CNC ENGRAVING MACHINE ISH 50

'BED TYPE - MOVING TABLE - FIXED GANTRY' construction, comprises of well-ribbed base with integrated bed-ways, thick walled rigidly built gantry and work-table - all these major parts are made of low vibration graded cast iron and the whole machine is mounted on heavy-duty steel fabrication for rigidity and stability.

ISH series comes with stepper motors & micro-stepping drives / ball-screws / LMGs / 24000 rpm water-cooled spindle motor, which all-to-gather with its sturdy construction offers vibration-free smooth movement of all axis 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 PC-based 32bit CNC Controller.
- The controller enables to use EMC2 standard G-Codes / M-codes for 3D operations.
- Allows direct import of DXF, BMP, JPG & HPGL files through LazyCam.
- Visual G-code display.

Technical Data ISH 50

Table		
Table overall size	mm	600x560
Nos. of T-slots / size / center distance	mm	5 / 12 / 105
Table load capacity	kg	100
Moving unit		L M Guideways and Ball Screws (C7) on all axes
Working Range		
X- axis travel	mm	500
Y- axis travel	mm	500
Z- axis travel	mm	150
Axes feed rate	mm/min	0.1 ~ 1500 (depends on material)
Rapid traverse	m/min	4
Spindle speed	rpm	24000
Maximum distance between spindle nose & table	mm	160
Maximum height of the job accommodated on table	mm	150
Electricals		
Axes motors		Stepper motors with micro stepping drives
Spindle motor		2.2kw / 24000rpm / 1Ph AC - water cooled
Coolant pump		0.15HP/1Ph AC
Power supply		230V / 50Hz / 1Ph AC
Tools		End Mills
Type of Collet		ER20 (suitable to hold Ø13 tool)
Machine weight	kg	600 (approx)

Standard Accessories

PC based CNC Controller (without PC) | Machine Lamp | Coolant Pump | Collets 5 nos. | Mounting Pad 4 nos. | Tool Kit | User Manual

Optional : Rotary Axis, Servo Motors & Digital Servo Drives, Ground Ball Screws

Application

Manufacturing of dies, moulds, punches, electrodes for spark erosion, printing-cutting and embossing dies & tools, vacuum forming dies, solid models, control panel plates, name plates, sign making, gift articles, mementos, engraving for rubber stereos, light milling work, etc.

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