

ARSUN

CNC ENGRAVING MACHINE



COMPACT & PRECISION



CNC ENGRAVING MACHINE ISH 35

Machine

'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 35

| Table | | |
|---|--------|---|
| Table overall size | mm | 470x470 |
| Nos. of T-slots / size / center distance | mm | 5 / 12 / 100 |
| Table load capacity | kg | 100 |
| Moving unit | | LM Guideways and Ball Screws (C7) on all axes |
| Working Range | | |
| X- axis travel | mm | 350 |
| Y- axis travel | mm | 350 |
| Z- axis travel | mm | 150 |
| Axes feed rate | mm/min | 1 ~ 1500 (depends on material) |
| Rapid traverse | m/min | 2.5 |
| 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/3Ph AC |
| Power supply | | 230V / 50Hz / 1Ph AC |
| Tools | | |
| Type of Collet | | ER20 (suitable to hold Ø13tool) |
| Machine weight | kg | 500 (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 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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