

ARSUN

CNC ENGRAVING & ROUTER MACHINE

2D / 3D



HIGH SPEED & HIGH EFFICIENT



CNC ENGRAVING & ROUTER MACHINE – 2D / 3D

The machine can do both 2D & 3D Engraving work on plastic, fiber, wood, MDF boards, plywood, composites i.e. phenolic, Kevlar, graphite, non-ferrous sheet metal i.e. aluminum, brass, copper, zinc etc.

Machine

- Basic structure/gantry made of high strength steel tube jointing, which offers vibration-free smooth movement of X, Y & Z slides.

Features

- High Speed / High Efficient machine for engraving and cutting application.
- Heavy duty air cooled / water cooled spindle motor with frequency inverter for stable and maintenance free working for a long period of time.
- HIWIN brand precision linear motion guideways offer high positional accuracy, heavy work load and long life.
- Idle speed up to 35meters/min, processing speed can reach to 20meters/min when processing wave-board, it can match 2-3 common type machines.
- Accepts standard HPGL & M/G-code commands, compatible with Mach3/Type3/ArtCam/MasterCam software.
- USB interface - DSP Hand-held Controller for easy & fast parameter setting – jog the machine / perform system test / transfer jobs from computer via USB cable – it's so easy!

Specifications

MODEL	AKAR 1325	AKAR 1530
Overall Table Size	1440 x 3000mm	1720 x 3660mm
X/Y/Z Working Area	1300 x 2500 x 250mm	1500 x 3000 x 250mm
Distance between Bed & Gantry	250mm	250mm
X/Y/Z Movement Element	Rack & Pinion / L M Guideways / Ball Screw	
Re-position Accuracy	0.05mm	
Maximum Travelling Speed	18meter/min	
Spindle Motor	2.2kw-1Ph-AC-24000rpm-ER20 Collet-Water Cooled Spindle Motor (Option: 6kw-3Phase AC-18000rpm-ER32 Collet-Air Cooled ITALY Spindle Motor)	
Spindle Speed	24000 rpm	
Cutting Tool Diameter	Ø3 to Ø13mm for ER20 collet	
Operating System	DSP Hand Held Controller with USB interface	
Driving Element	Stepper Motors with Micro Stepping Drives	
Electric Power Supply	415V/50Hz/3Phase AC	

Specifications and design are subject to change without prior notice.

Standard Accessories

DSP Hand-held Controller | 2.2 kw Water-Cooled Spindle Motor with Frequency Inverter | Tool Bit: Ø3.175, Ø6, Ø12.7 | Holding Clamps | Vibration Pads | Electricals suitable for 415V/50Hz/3Ph AC

Optional Accessories

Higher HP Spindle | Dust Collector | Rotary Attachment | Servo Motors & Drives | Vacuum Bed System | Coolant Pump for Metal Cutting

Application

- Solid surface machining
- 3-Dimensional (3D) machining - sign, plastics, wood, molds, etc.
- Plastic sheet and composite machining - graphite, phenolic, Kevlar etc.
- Non-ferrous sheet metal machining (aluminum, brass, copper, zinc)
- Furniture & cabinet making, doors panel and general woodworking manufacturing
- Store fixture, display manufacturing
- Sign and graphics design fabrication work

ARSUN ENGINEERS

56/1 Vithalwadi Industrial Estate, Bhavnagar 364001 (Gujarat) India

Phone: +91-278-2514076 | Email: sales@arsun.com

www.arsun.com