



Machine

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

Features

- High Speed / High Efficient machine for engraving and cutting application.
- Original Italian heavy duty air cooled spindle motor with frequency inverter offers stable and maintenance-free performance for long period of time.
- HIWIN brand precision linear motion guideways offer high positional accuracy, heavy work load and long life.
- Accepts standard HPGL & M/G-code commands, compatible with Type3/ArtCam/MasterCam etc. software.
- USB interface - DSP Hand-held Controller for easy & fast parameter setting – jog the machine / perform system test / transfer jobs from computer via Pen Drive – it's so easy!

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

Specifications	'ARSUN' OM 1212	'ARSUN' AKAR 1325	'ARSUN' AGRIM 1325
Overall Table Size	1300 x 1260mm	1440 x 3000mm	1440 x 3000mm
X/Y/Z Working Area	1200x1200x200mm	1300x2500x200mm	1300x2500x200mm
Table Structure	Heavy Duty MS Tube Welded Frame Structure		
X/Y/Z Movement Element	Rack & Pinion, Gearbox, Linear Rail & Ball Screw		
Re-position Accuracy	±0.025mm		
Maximum Travelling Speed	20m/min	20m/min	30m/min
Working Mode (Driving Element)	Stepper Motors	Stepper Motors	Servo Motors (Japan)
Spindle Motor	3kw Italian Air Cooled HSD Spindle Motor	6kw Italian Air Cooled HSD/HITECO Spindle Motor	6kw Italian Air Cooled HSD/HITECO Spindle Motor
Spindle Speed	18000 rpm		
Cutting Tool Diameter	Ø3 to Ø16mm, ER25 Collet	Ø3 to Ø20mm, ER32 Collet	Ø3 to Ø20mm, ER32 Collet
Operating System	DSP Hand Held Controller		
Electric Power Supply	AC 220V/50Hz/1Phase	AC 415V/50Hz/3Phase	AC 415V/50Hz/3Phase
Machine Weight	600kg	1200kg	1500kg

Design & specifications are subject to change without prior notice.

Standard Accessories

Italian Air-Cooled Spindle Motor with Frequency Inverter | Tool Bits: Ø3.175, Ø6, Ø12.7 | Collets: 3 Nos.

Optional Accessories

Dust Collector | Rotary Attachment | Vacuum Bed System with German type Pump | Coolant Pump / Misting Cooling System for Metal Cutting

ARSUN ENGINEERS

56/1 Vithalwadi Industrial Estate, Bhavnagar 364001 (Gujarat) India.
 Phone: 0278-2514076 • Email: sales@arsun.com, info@arsun.com