

DPI International
Printing Innovations

TRUE CNC ROUTER

The machine can do engraving, carving,
drilling, cutting, milling, grooving work
& many other related works



Technical Specifications

Model	True CNC -1325	True CNC -1632
Working Size	1300x2500x200mm	1600x3200x200mm
CNC Router Table Size	1450*2950mm	1700*3600mm
Spindle Power	3kw water cool	6kw air cool
Spindle Speed	0-18000RPM	0-24000RPM
Drive Motors	Stepper Motor	Servo Motor (Leadshine 1500w each) / Stepper Motor (optional)
Accuracy	+0.03mm	
CNC Router Table Surface	Aluminium T-slot Table	
Frame	Heavy & Thick Steel Square Structure	
X-Y Structure	Gear and Rack Transmission	
Z Structure	Ball Screw of TBI, Taiwan	
Rapid Feed Rate	25000mm/min	
Maximum Speed Rate	20000mm/min	
Collet System	Highly Precise CNC ER 25 Collet	
Working Voltage	Single Phase 220v 50Hz	

* Specifications are subjected to change without prior notice. This catalogue is not subjected to any legal proceedings. * Under test conditions. * Actual Images may vary.

Parameters	Standard Specifications ABP-1325-PZ	
Operating System	DSP A11	
Computer Interface	USB	
Running Environment	Temperature: 0°C~45°C Relative Humidity: 30%~75%	
Machine Power	5kw	7kw

Advantages

- Structure: Heavy duty
- Spindle: 3kw water cooled
- Machine frame: Thick steel
- Control system: DSP A11
- XYZ axis square rail
- XY axis Helical rack and pinion
- Z axis TBI ballscrew
- Machine working voltage: 220V/380V
- Tool sensor
- Inverter: Best Brand
- Table: Aluminum T-slot table
- Lubrication System

Machine is equipped with heavy steel structure, powerful spindle, highly precise Hiwin linear rails & bearings, highly precise helical racks on the X and Y axis, TBI Ball Screw Z Axis Drive and Brushless Microstepper Motors. It has easy to use DSP or Mach 3(optional) Controller.

Industries:

- ✦ Furniture & Decoration industry
(Woodworking, door, curtainwall, decorative partition)
- ✦ Sign & Advertising
(Signage Indoor & Outdoor, Engraving & Bas-Relief, 3D Letters)
- ✦ Models & Prototyping
- ✦ Plastics & Composites
(ACP, ACM and solid surface material etc)
- ✦ Non-ferrous metals & Marine

Materials:

- ✦ Wood: Plywood, Soft Wood, Hard Wood, MDF, Chipboard, etc
- ✦ Plastic: Acrylic, ABS, HDPE, PVC, UHMW, HDPE, etc



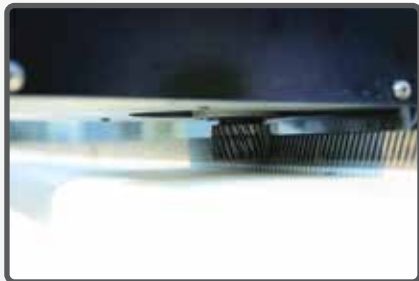
Rich Auto DSP All hand-held Controller(3 Axis)

- ✦ DSP computing core, fast computing speed, strong processing ability
- ✦ 16-button handheld operation, easy to train and operate
- ✦ Built-in screen display to realize full offline operation
- ✦ Intelligent pre-reading of files improves processing efficiency
- ✦ Safety pre-inspection and alarm to ensure safe production
- ✦ Support remote maintenance and system upgrade



XYZ Axis Taiwan Square Rail

The Square rail with higher stability and rigidity makes the Gantry and Spindle moving at high speed & precision and more durability



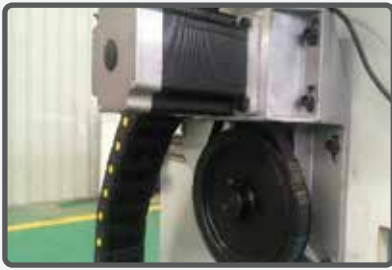
XY Helical rack and pinion

The CNC Router uses precise helical gear racks on the X and Y axis. The mounting of the rack is inverted to help keep dust and debris from building up on the drive system, this assures smooth motion and long term reliability



Z Axis TBI Ball screw

Z axis is with TBI ball screw to ensure the machine with higher precision and longer service life



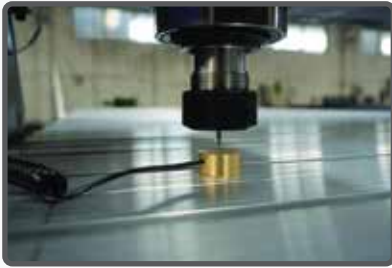
Drive Motors

The CNC Router utilizes brushless micro- Servo motors. These motors require no regular maintenance, therefore reducing any maintenance .downtime



Gantry Support (Uprights)

The Gantry uprights are cast iron with heavy duty gussets formed into the casting. Each support is mechanical for housing the various drive assemblies including motors, bearings, belts, and wiring harnesses



CNC Tool Calibration(tool sensor)

Automatic tool calibration pad allows for easy and accurate “Z” zero position for single and multiple tool changes through the Programme



OMRON photoelectric limit switch

The limit sensor is the second limit protection. Omron is famous brand and the sensor is with high quality. The function of this device is to prevent the machine from overtraveling and avoid unnecessary losses. The sensor is installed on all XYZ axis



Oil Lubrication System

The machine comes the whole lubrication system to make sure all the transmission system is well lubricated which make the machine service life longer



Leveling Base

The leveling base is to adjust to make sure the machine working at the same level



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