



High Precision CNC Router S5



Field of application:

Advertising industry: advertising identification, sign making, acrylic engraving and cutting, crystal word making, showcase, display, and other advertising materials derivatives making.

Woodwork industry: furniture, furniture decoration, woodworking decoration, musical instrument, wooden handicraft, sewing machine table, machine cabinet panel, sporting equipment, wooden door etc.

Mould industry: wooden mould, aluminum mould, and aviation wooden mould.

Music instrument: three-dimensional wood carving in relief, and profile cutting.

Applicable material:

Wood, acrylic, double-color board, PVC, EVA, ABS board, stone, imitation stone, metal, Aluminum Mold etc.

Features:

1. Gantry moving design, Y-axis dual motors with precision grinding helical gear transmission to ensure the accuracy of the machine;
2. Equipped with high-precision 5.5KW water cooling spindle, rotating speed 24000rpm / min, higher power and precision.
3. Adopted whole set Taiwan DELTA servo motors and drivers, working speed up to 20000mm / min;
4. Original NC Studio control system, easy to operate and control;
5. Dry rotary vane vacuum pump, power 7.5kw air pump plus vacuum table section design makes the smaller material can be processed at any time.



Parameters:

NO.	Description	Parameter
1	Working Area (XY)	1300x2500mm
2	Z travel height	200mm; Z with coupling
3	Traveling Positioning Accuracy	±0.05/300mm
4	Repositioning Positioning Accuracy	±0.05mm
5	Lathe Structure	Annealing heavy-duty structure
6	Guide	Original Germany ROUST
7	Z Structure	Original TAIWAN TBI Ball Screw transmission
8	Table	5 zones vacuum plus aluminum T-slot table
9	Vacuum pump	7.5KW air vacuum pump
10	Max. Speed	35000mm/min
11	Max. Working Speed	20000mm/min
12	Spindle Power Motor	5.5KW water cooling spindle
13	Spindle cooling	Industry water chiller
14	Spindle Speed	24000RPM
15	Cutting bits cooling	ATC spray cutting fluid
16	Drive Mode	TAIWAN DELTA servo motors & drivers
17	Inverter	FULING 5.5KW
18	Reducer	Japan SHIMPO reducer
19	Lubrication system	Automatic lubrication system
20	Workpiece loading	Feeding auxiliary roller
21	Working Voltage	380V/50Hz/3 phases
22	Command	G Code, *uoo, *mmg, *plt
23	Operating System	Original NC Studio PM95A controller
24	Tool setting	ATC tool sensor
25	Collet	ER25
26	Software	Type3/Artcam
27	Computer	Whole set in English Version
28	Dust cleaning system	Including dust collector, spindle cover, Bracket and pipe
29	Weight	1800KG