

LIMAC R2000 Series CNC Router

LIMAC R2000 series CNC Router is used for advertising and woodworking industries, including antique furniture relief carving, wooden crafts, plastics-absorbing light box 3d mold making, aluminum-plastics plate processing, art mural sculpture, stone carving , door and window carving.

LIMAC R2000 CNC Router utilizes latest technology, Italy spindle, and unique controller which is co-developed by LIMAC and USA partner. The machine automatically registers the contour of any image with the use of an intelligent camera head. The machine options include digitize probe, 3D laser scanner, and knife system. These features ensure high-quality and precise cutting and engraving result, improves productivity, and reduces labor cost.



R2000 Series Specifications

Model	R2101	R2102	R2103	R2204
Working area (mm)	1220 x 1220	1220 x 1800	1220 x 2440	1500x3000
Max. speed (m/min)	30	30	30	30
Repeatability (mm)	0.025	0.025	0.025	0.025
Gantry height(mm)	160	160	160	160
Weight (kg)	500	600	600	700

LIMAC R2000 Series Features:

- ✧ Air-cooled high-frequency 3kw spindle as standard, 4.5kw spindle as option
- ✧ Power Requirements: 220v/380v
- ✧ Electricity consumption: 4kw (excluding vacuum pump)

LIMAC R2000 series CNC router body is made of industrial-quality steel by welding. With case structure, the machine encompasses high-loading capacity. Welding stress is eliminated by professional equipment; machine body is made by high-precision planning machine, which makes it not easy to change shape; imported linear guide rail ensures high precision.

LIMAC R3000 Series CNC Router

LIMAC R3000 series CNC router utilizes latest technology, imported spindle from Italy, and advanced Domestic DSP controller. R3000 series CNC Router applications include furniture making, insulated material processing, aluminum processing, wood decoration, wood carving, etc. The machine improves productivity and reduces labor cost.



R3000 Series Specifications

Model	R3103	R3204	R3304	R3306
Working area (mm)	1270 x 2540	1524 x3048	2000 x 3048	2000X 4000
Max. speed (m/min)	40	40	40	40
Repeatability (mm)	0.025	0.025	0.025	0.025
Gantry height(mm)	200	200	200	200

LIMAC R3000 series CNC router features:

- ◇ Domestic controller as standard
- ◇ Stepper motor as standard can be upgraded to servo motor
- ◇ Air-cooled high-frequency spindle 3kw as standard, can be upgraded to 13.5kw
- ◇ Power Requirements: 380V. Electricity consumption: 4kw. (excluding vacuum pump)

LIMAC R3000ATC Series CNC Router



LIMAC R3000ATC series CNC router body is made of industrial steel by welding. With case structure, the machine encompasses high-loading capacity. Welding stress is eliminated by professional equipment; machine body is made by high-precision planning machine, which makes it not easy to change shape; imported linear guide rail ensures high precision.

LIMAC R3000ATC series CNC router utilizes latest technology, imported spindle from Italy, and Taiwan LNC/SYNTEC controller. R3000ATC series CNC Router applications include furniture making, insulated material processing, aluminum processing, wood decoration, wood carving, etc. The machine improves productivity and reduces labor cost.

R3000ATC Series Specifications

Model	R3103ATC	R3204ATC	R3304ATC	R3306ATC
Working area (mm)	1270 x 2540	1524 x 3048	2032 x 3048	2032X 4064
Max. speed (m/min)	40	40	40	40
Repeatability (mm)	0.025	0.025	0.025	0.025
Gantry height(mm)	200	200	200	200

LIMAC R3000ATC Series Features:

- ✧ Stepper motor as standard can be upgraded to servo motor
- ✧ Air-cooled high-frequency spindle 9kw as standard
- ✧ Power Requirements: 380V. Electricity consumption is 10kw (without vacuum pump)

MDS Series CNC Router with 2 vertical spindles (independent & simultaneous move)



MODEL	R2103MDS	R2204MDS	R3304MDS
Max. Working Area (mm)	1300 x 2500	1500 x 3000	2000 x 3000
Spindle	Two sets of 1.5kw/2hp Chinese Air cooled 18000RPM	Two sets of 1.5kw/2hp Chinese Air cooled 18000RPM	Two sets of 1.5kw/2hp Chinese Air cooled 18000RPM
Table	T-Slot/Vacuum	T-Slot/Vacuum	T-Slot/Vacuum
Material feeding thickness	160mm	160mm	160mm
Max. Travel speed	30m/min	30m/min	30m/min
Max. Cutting Speed	20m/min	20m/min	20m/min
Positioning accuracy	0.025mm/pulse	0.025mm/pulse	0.025mm/pulse
Driving motor	Stepper	Stepper	Stepper
Software	ARTCAM EXPRESS	ARTCAM EXPRESS	ARTCAM EXPRESS

MDT Series CNC Router with two vertical spindles (automatic tool change)



MODEL	R3103MDT	R3204MDT	R3304MDT
Max. Working Area (mm)	1300 x 2500	1500 x 3000	2000 x 3000
Spindle	Two sets of 3kw/5hp Chinese Air cooled 18000RPM	Two sets of 3kw/5hp Chinese Air cooled 18000RPM	Two sets of 3kw/5hp Chinese Air cooled 18000RPM
Table	T-Slot/Vacuum	T-Slot/Vacuum	T-Slot/Vacuum
Material feeding thickness	160mm	160mm	160mm
Max. Travel speed	30m/min	30m/min	30m/min
Max. Cutting Speed	20m/min	20m/min	20m/min
Positioning accuracy	0.025mm/pulse	0.025mm/pulse	0.025mm/pulse
Driving motor	Stepper	Stepper	Stepper
Software	ARTCAM EXPRESS	ARTCAM EXPRESS	ARTCAM EXPRESS

MKT Series CNC Router with 3 vertical spindles (automatic tool change)



MODEL	R3103MKT	R3204MKT	R3304MKT
Max. Working Area (mm)	1300 x 2500	1500 x 3000	2000 x 3000
Spindle	1 set of 3kw/5hp spindles + 2 sets of 1.5kw/2hp spindle18000RPM	1 set of 3kw/5hp spindles + 2 sets of 1.5kw/2hp spindle18000RPM	1 set of 3kw/5hp spindles + 2 sets of 1.5kw/2hp spindle18000RPM
Table	T-Slot/Vacuum	T-Slot/Vacuum	T-Slot/Vacuum
Control	Taiwan PLC	Taiwan PLC	Taiwan PLC
Material feeding thickness	200mm	200mm	200mm
Max. Travel speed	30m/min	30m/min	30m/min
Max. Cutting Speed	20m/min	20m/min	20m/min
Positioning accuracy	0.025mm/pulse	0.025mm/pulse	0.025mm/pulse
Driving motor	Japan AC servo	Japan AC servo	Japan AC servo
Software	ARTCAM EXPRESS	ARTCAM EXPRESS	ARTCAM EXPRESS

MF Series CNC Router with 4 small power spindles (simultaneous move)



MODEL	R2103MF	R2204MF
Max. Working Area (mm)	1300 x 2500	1500 x 3000
Spindle	4 sets of 0.8kw/1hp Chinese 18000RPM	4 sets of 0.8kw/1hp Chinese 18000RPM
Table	T-Slot/Vacuum	T-Slot/Vacuum
Material feeding thickness	200mm	200mm
Max. Travel speed	30m/min	30m/min
Max. Cutting Speed	20m/min	20m/min
Positioning accuracy	0.025mm/pulse	0.025mm/pulse
Driving motor	Stepper	Stepper
Software	ARTCAM EXPRESS	ARTCAM EXPRESS

MFS Series CNC Router with 4 big power spindles (simultaneous move)



MODEL	R2103MFS	R2204MFS	R3304MFS
Max. Working Area (mm)	1300 x 2500	1500 x 3000	2000 x 3000
Spindle	4 sets of 1.5kw/2hp Chinese 18000RPM	4 sets of 1.5kw/2hp Chinese 18000RPM	4 sets of 1.5kw/2hp Chinese 18000RPM
Table	T-Slot/Vacuum	T-Slot/Vacuum	T-Slot/Vacuum
Material feeding thickness	200mm	200mm	200mm
Max. Travel speed	30m/min	30m/min	30m/min
Max. Cutting Speed	20m/min	20m/min	20m/min
Positioning accuracy	0.025mm/pulse	0.025mm/pulse	0.025mm/pulse
Driving motor	Stepper	Stepper	Stepper
Software	ARTCAM EXPRESS	ARTCAM EXPRESS	ARTCAM EXPRESS

MG Series CNC Router with 2 gantries and 6 spindles



MODEL	R2103MG	R2204MG	R3304MG
Max. Working Area (mm)	1300 x 3000	1500 x 3600	2000 x 3600
Spindle	Two sets of 1.5kw/2hp Chinese Air cooled 18000RPM	Two sets of 1.5kw/2hp Chinese Air cooled 18000RPM	Two sets of 1.5kw/2hp Chinese Air cooled 18000RPM
Table	T-Slot/Vacuum	T-Slot/Vacuum	T-Slot/Vacuum
Material feeding thickness	160mm	160mm	160mm
Max. Travel speed	30m/min	30m/min	30m/min
Max. Cutting Speed	20m/min	20m/min	20m/min
Positioning accuracy	0.025mm/pulse	0.025mm/pulse	0.025mm/pulse
Driving motor	Stepper	Stepper	Stepper
Software	ARTCAM EXPRESS	ARTCAM EXPRESS	ARTCAM EXPRESS

MT Series CNC tenoner machine



MODEL	R2103MT	R2204MT	R3304MT
Max. Working Area (mm)	1300 x 2500	1500 x 3000	2000 x 3000
Spindle	3kw/5hp Chinese Air cooled 18000RPM	3kw/5hp Chinese Air cooled 18000RPM	3kw/5hp Chinese Air cooled 18000RPM
Material feeding thickness	160mm	160mm	160mm
Max. Travel speed	30m/min	30m/min	30m/min
Max. Cutting Speed	20m/min	20m/min	20m/min
Positioning accuracy	0.025mm/pulse	0.025mm/pulse	0.025mm/pulse
Driving motor	Stepper	Stepper	Stepper
Software	ARTCAM EXPRESS	ARTCAM EXPRESS	ARTCAM EXPRESS

RE Series with rotary axis



MODEL	R2103RE	R2204RE
Max. Working Area (mm)	1300 x 2500	1500 x 3000
Spindle	3kw/5hp Chinese Air cooled 18000RPM	3kw/5hp Chinese Air cooled 18000RPM
Rotary axis	Up to 250mm diameter, 2500mm long	Up to 250mm diameter, 3000mm long
Z axis clearance	200mm	200mm
Max. Travel speed	30m/min	30m/min
Max. Cutting Speed	20m/min	20m/min
Positioning accuracy	0.025mm/pulse	0.025mm/pulse
Driving motor	Stepper	Stepper
Software	ARTCAM EXPRESS	ARTCAM EXPRESS

MUT Series Multi-function CNC woodworking machine



MODEL	R2103MUT	R2204MUT	R3304MUT
Max. Working Area (mm)	1300 x 2500	1500 x 3000	2000 x 3000
Spindle	3kw/5hp Chinese Air cooled 18000RPM	3kw/5hp Chinese Air cooled 18000RPM	3kw/5hp Chinese Air cooled 18000RPM
Table	Half vacuum and half for clamping	Half vacuum and half for clamping	Half vacuum and half for clamping
Material feeding thickness	160mm	160mm	160mm
Max. Travel speed	30m/min	30m/min	30m/min
Max. Cutting Speed	20m/min	20m/min	20m/min
Positioning accuracy	0.025mm/pulse	0.025mm/pulse	0.025mm/pulse
Driving motor	Stepper	Stepper	Stepper
Software	ARTCAM EXPRESS	ARTCAM EXPRESS	ARTCAM EXPRESS

R3000D series with 1 vertical + 1 horizontal spindle for door making



MODEL	R3103D	R3204D
Max. Working Area (mm)	1300 x 2500	1500 x 3000
Spindle	One horizontal and one vertical 3kw/5hp Chinese Air cooled 18000RPM	One horizontal and one vertical 3kw/5hp Chinese Air cooled 18000RPM
Z axis clearance	200mm	200mm
Max. Travel speed	30m/min	30m/min
Max. Cutting Speed	20m/min	20m/min
Positioning accuracy	0.025mm/pulse	0.025mm/pulse
Driving motor	Stepper	Stepper
Software	ARTCAM EXPRESS	ARTCAM EXPRESS