

F3121 Pro



- | Cast iron portal racks
- | All-welded frame made of thick-walled metal profile
- | Portal made of profile pipe 12 mm
- | Milled seats for guides and racks in one installation
- | System of automatic alignment of perpendicularity of a portal
- | Hiwin HGR20 guides on all axes
- | Powerful NEMA34 stepper motors with gearbox
- | Stroke speed up to 25 m/min
- | Helical rack on the X, Y, ball screws 2005 on the Z axis
- | All-metal Z-axis carriage (casting)

SPECIFICATIONS

Working table, mm	1300x1300, 1600x1600, 2600x1300, 2600x1600, 3100x1600, 3100x2100, 4100x2100
Axis Z	250 mm
Spindle	3.5 kW ER20 HQD (default) 4.5 kW ER20 HQD (option) 6.0 kW ER20 HQD (option)
Controller	Richauto B11 Richauto B18 (for Router with Rotary axis)
Variation speed	Up to 25 m/min
Positioning Accuracy	±0,05 mm
Working table material	Dense high-strength PVC and aluminum T-slot for mechanical clamping
Motors	Powerful NEMA34 stepper motors with gearbox Helical rack on the X, Y, ball screws 2005 on the Z axis
Guides	Precision prismatic guides Hiwin HGR20 (series of the increased loading capacity)
Sensor limits	Omron, Japan
Voltage	220 V 380 V – for vacuum pump

ADDL. OPTIONS

- Rotary axis
- Hybrid stepper motors or servo motors (up to 40m / min)
- Water circulating pump 5.5 kW or 7.5 kW (depending on the size of the working field)
- Extended travel on the Z axis
- Installation of 2 or more spindles

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SPECIFICATIONS

Working Area	3100 x 2100 mm
spindle speeds	0 - 18000 U/min
rated capacity	HQD 4.5 KW
colletstyp	ER 20
movement longitudinal X	3100 mm
movement cross Y	2100 mm
movement in Z	250 mm
rapid feed X/Y/Z-axis	25 m/min
worksgitchwindigkeit min - max.	0 - 20 m/min
control system	Masso N3
weight	1.750,00 kg
dimensions	3600 x 2700 x 1700 mm

