SPINDLE MOULDERS

Spindle Moulders

Fimal T 160 / T 160 C / T 160 L / T 160 CL / T 160 CF

Series of spindle moulders with a fixed spindle, in five versions: the T 160 base model, the T 160 C with a side tenoning carriage, the T 160 L with table extensions and front support bar, the T 160 CL combining both, and the T 160 CF with a front tenoning carriage. Motorised spindle height adjustment, six speed settings up to 10000 rpm and a 5.5 kW motor.

MODEL T 160

180 mm	230 mm	10000 rpm	5.5 kW
MAX. SPINDLE PROJECTION	SPINDLE TRAVEL	MAXIMUM SPEED	MAIN MOTOR



/ Application & Use

The Fimal T 160 series comprises spindle moulders with a fixed spindle in five versions: the T 160 base model with a 1200 x 780 mm worktable, the T 160 C with a side tenoning carriage and an 1800 x 780 mm table, the T 160 L with a 2500 x 780 mm table, front table extension and front support bar, the T 160 CL combining the tenoning carriage and the extended table, and the T 160 CF with a front tenoning carriage and a 1200 x (475+260) mm table.

The spindle has a maximum projection of 180 mm above the table and a vertical travel of 230 mm, with motorised height adjustment and mechanical position readout; an electronic height readout with magnetic scale is optional. It runs at 1500, 3000, 4500, 6000, 8000 or 10000 rpm, driven by a 5.5 kW main motor. The opening in the table takes tools up to Ø 320 x 50 mm. The machine has a quick tool clamping and release system.

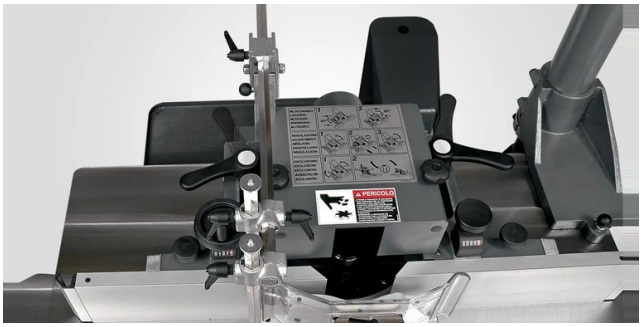
/ Key Features

- Worktable 1200, 1800 or 2500 x 780 mm (T 160 CF: 1200 x (475+260) mm)
- Maximum spindle projection above the table 180 mm, vertical travel 230 mm
- Speeds 1500 / 3000 / 4500 / 6000 / 8000 / 10000 rpm
- Main motor 5.5 kW
- Maximum table opening Ø 320 x 50 mm
- C / CL: side tenoning carriage 900 x 370 mm, travel 900 mm; CF: front tenoning carriage 1200 x 310 mm, travel 1100 mm

/ Standard Equipment

- Motorised spindle height adjustment with mechanical position readout
- Mechanically adjustable fence with two position indicators, quick retraction system
- Anodised aluminium infeed and outfeed plates
- Sliding table section in front of the spindle, single-handle adjustment
- Quick tool clamping and release system
- Control panel with membrane keys
- CE guards for fence work, spindle work and tenoning

/ Machine Details



SPINDLE MOULDER FENCE WITH TWO POSITION INDICATORS



SLIDING TABLE SECTION IN FRONT OF THE SPINDLE

/ Options on Request

- Higher-power motor
- Motor overload protection
- Interchangeable spindles with No. 5 Morse taper (MK5)
- Spindle rotation reversal
- LED indicator of the selected speed
- Electronic readout of the spindle height
- Variable spindle speed 900–10000 rpm via frequency inverter
- Electronic programmer for two axes, on board or on a pendant control panel
- Power feeder on a fixed support or mounted on the pendant column
- Aluminium fence plates
- Glazing bead recovery unit with pneumatic stroke and four-position drum

/ Technical Data

Model	T 160 / T 160 C / T 160 L / T 160 CL / T 160 CF
Spindle configuration	Non-tilting spindle
Usable spindle length	180 mm (maximum spindle projection above the table)
Vertical spindle travel	230 mm
Spindle tilt	none
Spindle speed	1500 / 3000 / 4500 / 6000 / 8000 / 10000 rpm (6 speed settings); 900–10000 rpm with optional frequency inverter
Maximum tool dimensions for lowering below the table (Ø x H)	Ø 320 x 50 mm (opening in the table)
Main motor power	5.5 kW (higher-power motor optional)
Spindle height adjustment	motorised, with mechanical position readout; electronic height readout with magnetic scale optional
Spindle moulder fence	mechanically adjustable, two position indicators (fence and infeed plate); quick retraction system clearing the worktable; anodised aluminium infeed / outfeed plates
Sliding table section in front of the spindle	adjusted without tools by a single handle (unlock, position, lock), also with the tool mounted
Control system	control panel with membrane keys; electronic programmer for two axes, on board or on a pendant control panel, optional
Noise emission	83.9–87.3 dB(A) (LAeq, ISO 7960, moulding)
Dust emission — declared value	0.47 mg/m³ (DIN 33893)

/ Versions

	T 160	T 160 C	T 160 L	T 160 CL	T 160 CF
Worktable	1200 x 780 mm	1800 x 780 mm	2500 x 780 mm	2500 x 780 mm	1200 x (475+260) mm
Front table extension	—	—	400 mm	400 mm	—
Tenoning carriage	—	900 x 370 mm	—	900 x 370 mm	1200 x 310 mm
Carriage travel	—	900 mm	—	900 mm	1100 mm
Net weight	460 kg	700 kg	640 kg	800 kg	480 kg

Data refer to the standard T 160 configuration. The supplied configuration and included options are defined in the quotation. Technical data may be updated without prior notice. Images are illustrative.

SUPPLIER

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