THICKNESSERS

Thicknesser

Fimal S 53 N

Thicknesser for solid wood with a planing width of 530 mm, workpiece thickness 3–310 mm, motorised table height adjustment with push-button control, feed speed 6–20 m/min with the optional frequency inverter and a 4 kW motor.

MODEL S 53 N

530 mm	3–310 mm	8 mm	4 kW
PLANING WIDTH	WORKPIECE THICKNESS	MAX. DEPTH OF CUT	MAIN MOTOR



/ Application & Use

The Fimal S 53 N is a thicknesser for solid wood, with a planing width of 530 mm. It planes workpieces from 3 to 310 mm thick, with a maximum depth of cut of 8 mm per pass and a minimum workpiece length of 250 mm. The 530 x 1030 mm thicknessing table is raised on four lifting screws supported at both ends. Height adjustment is motorised and controlled by push-button; an electronic table height display (0.1 mm) is available as an option.

The cutterblock has a diameter of 120 mm and four knives and runs at 4800 rpm, driven by a 4 kW motor. The workpiece is fed by three large-diameter rollers, each on an independent linkage and running in ball bearings; with the optional frequency inverter, the feed speed is continuously variable from 6 to 20 m/min.

/ Key Features

- Planing width 530 mm; table 530 x 1030 mm
- Workpiece thickness 3–310 mm, max. depth of cut 8 mm
- Cutterblock Ø 120 mm, 4 knives, 4800 rpm
- Main motor 4 kW
- Feed speed 6–20 m/min with the optional frequency inverter

/ Standard Equipment

- Motorised table height adjustment on four lifting screws supported at both ends
- Two adjustable shoe-type side guides
- Push-button table control
- Three large-diameter feed rollers on independent linkages, in ball bearings
- Top cover opening from the front, double chamber, noise-reduction devices at front and rear
- CE electrical system: main switch, front and rear emergency stops, electromagnetic brake, safety microswitch on the top cover
- Ø 150 mm extraction outlet, right or left

/ Machine Details



CONTROL PANEL WITH PUSH-BUTTON TABLE CONTROL AND DIGITAL READOUT



THICKNESSING TABLE ON FOUR LIFTING SCREWS

/ Technical Data

Specification	S 53 N
Model	**S 53 N**
Planer type	**Thicknesser**
Maximum planing width	**530 mm**
Thicknessing capacity, min.–max. workpiece thickness	**3–310 mm**
Maximum depth of cut, thicknessing	**8 mm**
Thicknessing table: height adjustment and readout	**530 x 1030 mm (width x length); motorised height adjustment on four lifting screws supported at both ends; two adjustable shoe-type side guides; push-button control; optional: electronic table height display (0.1 mm), electronic table positioning**
Feed speed	**6–20 m/min with the optional frequency inverter**
Feed rollers	**three large-diameter feed rollers, each on an independent linkage and running in ball bearings; minimum workpiece length 250 mm**
Cutterblock: diameter / knife number and type	**Ø 120 mm; 4 knives**
Cutterblock speed	**4800 rpm**
Main motor power	**4 kW; optional: 7.5 hp, 10 hp, 12.5 hp or 15 hp**
Motor brake	**electromagnetic brake**
Dust extraction connections	**Ø 150 mm; 1650 m³/h at 26 m/s; outlet on the right or left**
Noise emission	**74–81.9 dB(A) (LAeq, ISO 7960)**
Dust emission — declared value	**0.62 mg/m³ (DIN 33893)**
Overall dimensions (L × W × H)	**1130 x 1030 x 1200 mm**
Machine weight	**650 kg, net**

/ Options on Request

- Higher-power motor (7.5 / 10 / 12.5 / 15 HP)
- Monobloc cutterblock with reversible knives or helical cutterblock
- Sectional toothed feed roller
- 1 or 2 rubber-coated feed rollers
- 1 or 2 adjustable table rollers
- Pneumatic adjustment of feed roller pressure
- Outfeed table extension 530 x 650 mm
- Electronic table height display
- Electronic table positioner
- Frequency inverter, 6–20 m/min

Data refer to the standard S 53 N configuration. The supplied configuration and included options are defined in the quotation. Technical data may be updated without prior notice. Images are illustrative.

SUPPLIER

PROMACH LTD, Str. Kolednitsa 2, et. 1, 7002 Ruse, Bulgaria — VAT No. BG 208556296

CONTACT

www.promach-machinery.com | contact@promach-machinery.com | BG +359 87 6832151 | RO +40 755 023 024