SURFACER-THICKNESSERS

Combined Surfacer-Thicknesser

Fimal DR 53

Combined surfacer-thicknesser for solid wood: 530 mm planing width, 2300 mm ribbed cast iron surfacing tables, 3–250 mm thicknessing capacity and electric thicknessing table adjustment with electronic readout.

MODEL DR 53

530 mm	2300 mm	3–250 mm	4 kW
PLANING WIDTH	SURFACING TABLES	THICKNESSING	MAIN MOTOR



/ Application & Use

The Fimal DR 53 is a combined surfacer-thicknesser for surface planing and thicknessing of solid wood. It has a planing width of 530 mm, surfacing tables with a total length of 2300 mm and a thicknessing capacity of 3 to 250 mm workpiece thickness.

The cutterblock has a diameter of 120 mm and four knives and runs at 4800 rpm, driven by a 4 kW motor. The thicknessing table is raised on four lifting screws with double fixing, with electric height adjustment by jog control, fine adjustment and an electronic readout. The thicknessing feed speeds are 5, 7, 9 and 12 m/min; the maximum depth of cut in thicknessing is 7 mm.

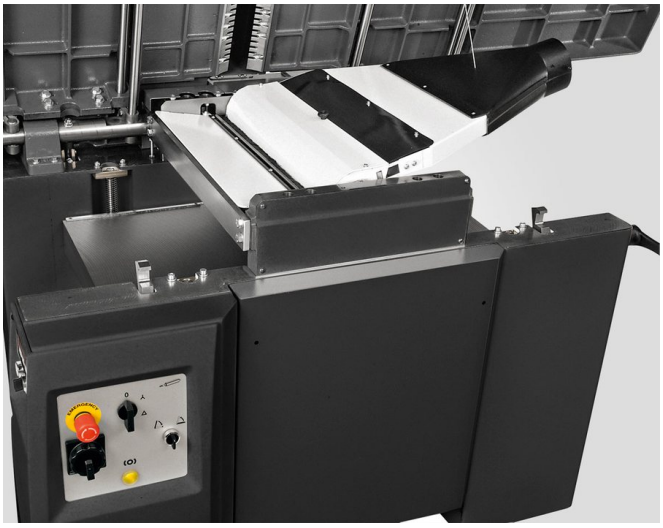
/ Key Features

- Planing width 530 mm; surfacing tables 2300 x 530 mm
- Thicknessing capacity 3–250 mm, max. depth of cut 7 mm
- Cutterblock Ø 120 mm, 4 knives, 4800 rpm
- Main motor 4 kW
- Thicknessing feed speeds 5 / 7 / 9 / 12 m/min
- Electronic readout of the thicknessing height

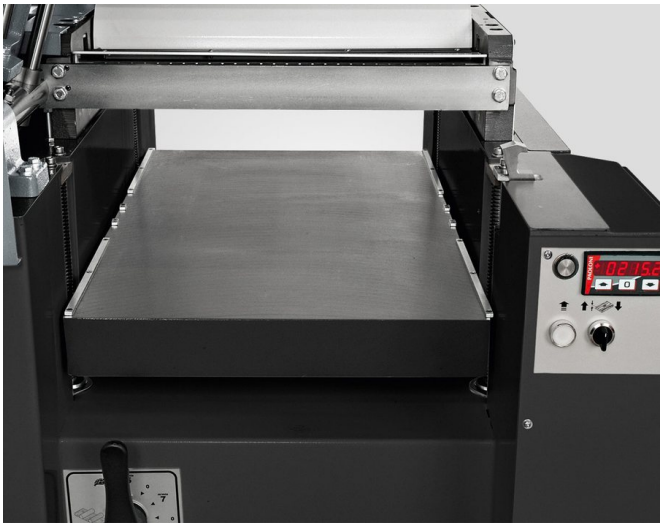
/ Standard Equipment

- Ribbed cast iron surfacing tables with parallelogram adjustment; the table lip stays at the same distance from the cutterblock
- Anodised aluminium fence 1200 x 175 mm, tilting 0–45°, scale and stops at 0° and 45°; moves on a recirculating ball bushing and two wheels, with quick locking
- Electric thicknessing table adjustment on four lifting screws with double fixing, jog control and fine adjustment
- Electronic readout of the thicknessing height
- Simultaneous electric raising of the surfacing tables for changeover; easy positioning of the cutterblock guards
- One extraction hood for surfacing and thicknessing

/ Machine Details



CONTROL PANEL AND EXTRACTION HOOD, SURFACING TABLES RAISED



THICKNESSING TABLE AND ELECTRONIC READOUT

/ Technical Data

Specification	DR 53
Model	**DR 53**
Planer type	**Combined surfacer-thicknesser**
Maximum planing width	**530 mm**
Surfacing tables: total length × width	**2300 x 530 mm; ribbed cast iron**
Surfacing table adjustment	**parallelogram linkage; the table lip stays at the same distance from the cutterblock**
Maximum depth of cut, surfacing	**8 mm (CE version)**
Surfacing fence: tilt / dimensions	**0–45°; 1200 x 175 mm; anodised aluminium; graduated scale and stops at 0° and 45°; moves on a recirculating ball bushing and two wheels, with quick locking**
Thicknessing capacity, min.–max. workpiece thickness	**3–250 mm**
Maximum depth of cut, thicknessing	**7 mm**
Thicknessing table: height adjustment and readout	**electric height adjustment with jog control and fine adjustment; electronic readout; raised on four lifting screws with double fixing**
Feed speed	**5 / 7 / 9 / 12 m/min (thicknessing)**
Cutterblock: diameter / knife number and type	**Ø 120 mm; 4 knives**
Cutterblock speed	**4800 rpm**
Main motor power	**4 kW**
Changeover between surfacing and thicknessing	**simultaneous powered lifting of the surfacing tables; easy positioning of the cutterblock guards; one extraction hood for both operations**
Motor brake	**optional (electromagnetic brake)**
Noise emission	**surfacing 77.5–86.3 dB(A), thicknessing 79.3–85.9 dB(A) (LAeq, ISO 7960)**
Dust emission — declared value	**surfacing 1.65 mg/m³, thicknessing 0.66 mg/m³ (DIN 33893)**
Machine weight	**750 kg, net**

/ Options on Request

- Auxiliary fence for narrow, low-profile workpieces
- Monobloc cutterblock with reversible knives
- Two adjustable idler rollers in the thicknessing table
- Motorised floating outfeed roller
- Segmented toothed feed roller
- Rubber-coated roller
- Electromagnetic brake
- Increased motor power
- Eccentric or pneumatic clamp arm
- Wescott chuck
- Mortising attachment (70 kg): table 560 x 270 mm, strokes 145 / 170 / 210 mm (cross / longitudinal / vertical)

Data refer to the standard DR 53 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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