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F45 ELMO III D



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More flexible and efficient than ever: the Altendorf F 45 ELMO III D.

■ **When nothing but the best will do**, the obvious starting point in sliding table saw technology is the F 45 ELMO. And thanks to Altendorf, the best just got even better: the F 45 ELMO III D includes a **saw unit that can be tilted to 46° in either direction** for even greater flexibility when cutting straightforward bevels and compound mitres. The fact that the saw blade tilts towards the workpiece brings improved ergonomics too, as heavy workpieces can be processed without awkward manipulation. Workpieces with delicate surfaces can be processed with the good side uppermost for even cleaner cutting. Not everything has changed though: motorised axes automatically position the sawblade height, the cutting angle and the rip fence dimension after the values are keyed into the 12" touch screen and the start button is pressed, in true Altendorf F 45 ELMO III style.



Even more generous basic specification: tilt to either side, eye-level control panel, motorised rip fence, infinitely variable speed control.

SPECIFICATIONS – F 45 ELMO III / F 45 ELMO III D

	BASIC SPECIFICATION F 45 ELMO III	F 45 ELMO III D
Motorised rise/fall and tilt adjustment of the main saw blade	■	■
Saw unit tilts 46° to either side		■
F 45 ELMO screen control system with touch screen	■	■
Eye-level control panel with clipboard	■	■
3000 mm sliding table	■	■
Rip fence, motorised adjustment, cutting width 1000 mm	■	■
Crosscut-mitre fence, manual adjustment with length compensation, stops to 3500 mm	■	■
Motor: rated power 5 kW / peak power 11 kW		■
Drive: VARIO infinitely variable speed control, 2000 – 5000 rpm		■
Ready for scoring unit retrofit	■	■
Quick change system for the main saw blade	■	■
Saw blade projection max. 200* mm	■	
Saw blade projection max. 155* mm, optional max. 205* mm		■
840 mm table extension	■	■
USB interface for data and program transfer	■	■
Machine diagnostics and operating hours counter	■	■

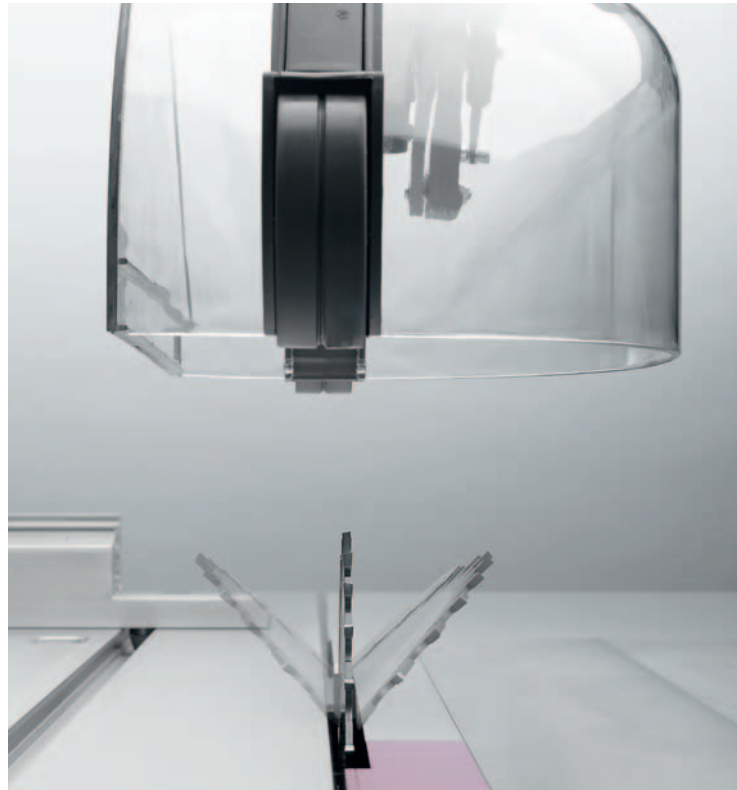
* If a scoring unit is fitted, the scoring saw blade, including front and back flanges, or RAPIDO must be removed.

F 45 ELMO III D



More productive than ever: the Altendorf F 45 ELMO III D basic specification.

■ **90° in a mere 12 seconds:** cut matching angles with virtually unprecedented precision and efficiency thanks to a **saw unit that can be tilted 46° in either direction**. The **powerful drive motor** reduces energy consumption too, a welcome bonus; the **touch screen control system** is wonderfully easy to use; and the **hood change process could hardly be more straightforward**, all of which enables us to claim with confidence: even in its basic specification, the Altendorf F 45 ELMO III D is more productive than ever!



■ **Tilt in either direction:** the saw unit tilt mechanism, which allows the unit to tilt 46° in either direction, not only opens up new applications, but also breaks new ground in positioning speed, traveling through 90° in just 12 seconds. The ability to tilt quickly in either direction enables matching angles to be cut precisely and efficiently.



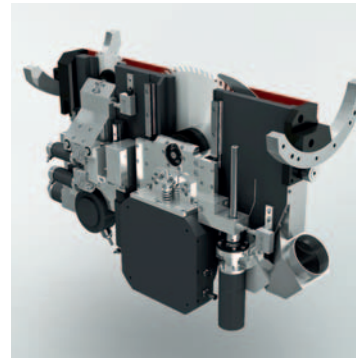
More easy to use than ever: hood, motor and controls.



■ **The extraction hood:** like Altendorf's other sliding table saws, the F 45 ELMO III D features just two safety hoods to ensure safe working. Designed to maintain optimal flow, the hoods use a parallelogram system for easy height adjustment.



■ **The extraction hood, 2 x 46°:** switching between the narrow hood and the wide model is a matter of just a few simple steps and the hood can also be disengaged and swung away one go from the front of the machine for special tasks.



■ **The saw unit:** the ELMO III D drive unit raises the bar for performance and quiet operation and the synchronous servo motors fitted are up to 15% more efficient than the electric motors previously used. How much power the motor draws depends on how hard it has to work, so no energy is wasted. The drive unit, which has power reserves of up to 120%, offers infinitely variable speed control between 2000 and 5000 rpm.



■ **F 45 ELMO III D touch screen control:** the machine's control system already has a proven track record having been used for many years in the F 45 ELMO III, where its straightforward and intuitive operating concept and the 12" touch screen (310 mm diagonal) are highly valued features. The control system has been designed with ease of use to the fore, with only the functions currently in use being displayed on screen, for example, and all axes positioned directly for easy tracking and fast operation. The extension of the tilt range to 92° enables the operator to configure all reference axes exactly as required.







More versatile than ever: Altendorf F 45 ELMO III D options.

■ **Your new angle cutting centre:** add the **sliding table vacuum clamping system**, the **parallelogram cross slide** or the **digital crosscut-mitre fence** to your F 45 ELMO III D and you have a genuine angle cutting centre. The **digital fences** displaying both length and angle make it possible to position the flip stops precisely and with repeatable accuracy time after time. The sliding table vacuum clamping system ensures that workpieces are secured accurately to the table along the entire cutting length and do not slip during sawing. This means that the operator does not have to hold and guide the workpiece manually, which greatly enhances both safety and precision.



■ **Simpler, faster, better:** the F 45 ELMO III D delivers results quickly, efficiently and ergonomically.

Technical specifications.

CUTTING HEIGHTS

SAW BLADE DIAMETER (MM)	250	300	350	400	450*	500* (OPTION)	550* (OPTION)
Cutting height at 90° (mm)	0–55	0–80	0–105	0–130	25–155	50–180	100–205
Cutting height at -45° (mm)	0	0–4	0–38	0–55	18–72	35–89	71–106
Cutting height at +45° (mm)	0–22	0–39	0–73	0–90	18–107	35–124	71–142

* If a scoring unit is fitted, the scoring saw blade, including front and back flanges, or RAPIDO must be removed.

DRIVE RATINGS	RATED POWER	PEAK POWER	SPEED RANGE
Saw unit	5 kW	11 kW	2 000 – 5 000 rpm
Scorer unit, Ø 180 mm	0.5 kW	0.9 kW	6 000 rpm

EXTRACTION SYSTEM CONNECTION

Top connection:	Ø = 80 mm
Bottom connection:	Ø = 120 mm
Vacuum:	1 200 Pa at extraction system main connection, Ø = 140 mm
Airflow:	V _{min} = 1 110 m ³ /h at 20 m/s

Workstation noise level 84.1 dB(A)

All machines illustrated are CE models. Some illustrations of machines depict special equipment that is not included in the basic price. Right of technical modification reserved. © Altendorf 2013. Order number K9690.0595. 04/2013



Wilhelm Altendorf GmbH & Co. KG · Wettinerallee 43/45 · 32429 Minden · Germany
Phone +49 571 9550-0 · Fax +49 571 9550-111 · info@altendorf.de · www.altendorf.com