

A man wearing safety glasses and a grey work jacket is operating a large industrial saw in a workshop. He is focused on cutting a large piece of light-colored wood. The background is slightly blurred, showing other workshop equipment and a blue vertical structure.

**MY
NEW F 45.**

MY NEW ALTENDORF.



ALTENDORF®

**WE INVENTED THE SLIDING
TABLE SAW. NOW WE ARE
REINVENTING IT.**

YOUR NEW ALTENDORF.

The world has Wilhelm Altendorf to thank for the sliding table saw. His invaluable invention, which first saw the light of day in 1906, enabled users to make a straight trim cut in a plank – an essential precursor to the 90° crosscut – for the first time. Woodworkers all over the world have been reaping the benefits of this remarkable invention ever since, with more than 150 000 Altendorf machines sold worldwide to date. Unsurprisingly perhaps, the intervening years have also seen the Altendorf name become synonymous with the sliding table saw. The new generation redefines the Altendorf F45 all over again: new design, the latest technology, new ease of use and unrivalled precision. Enjoy your new Altendorf!





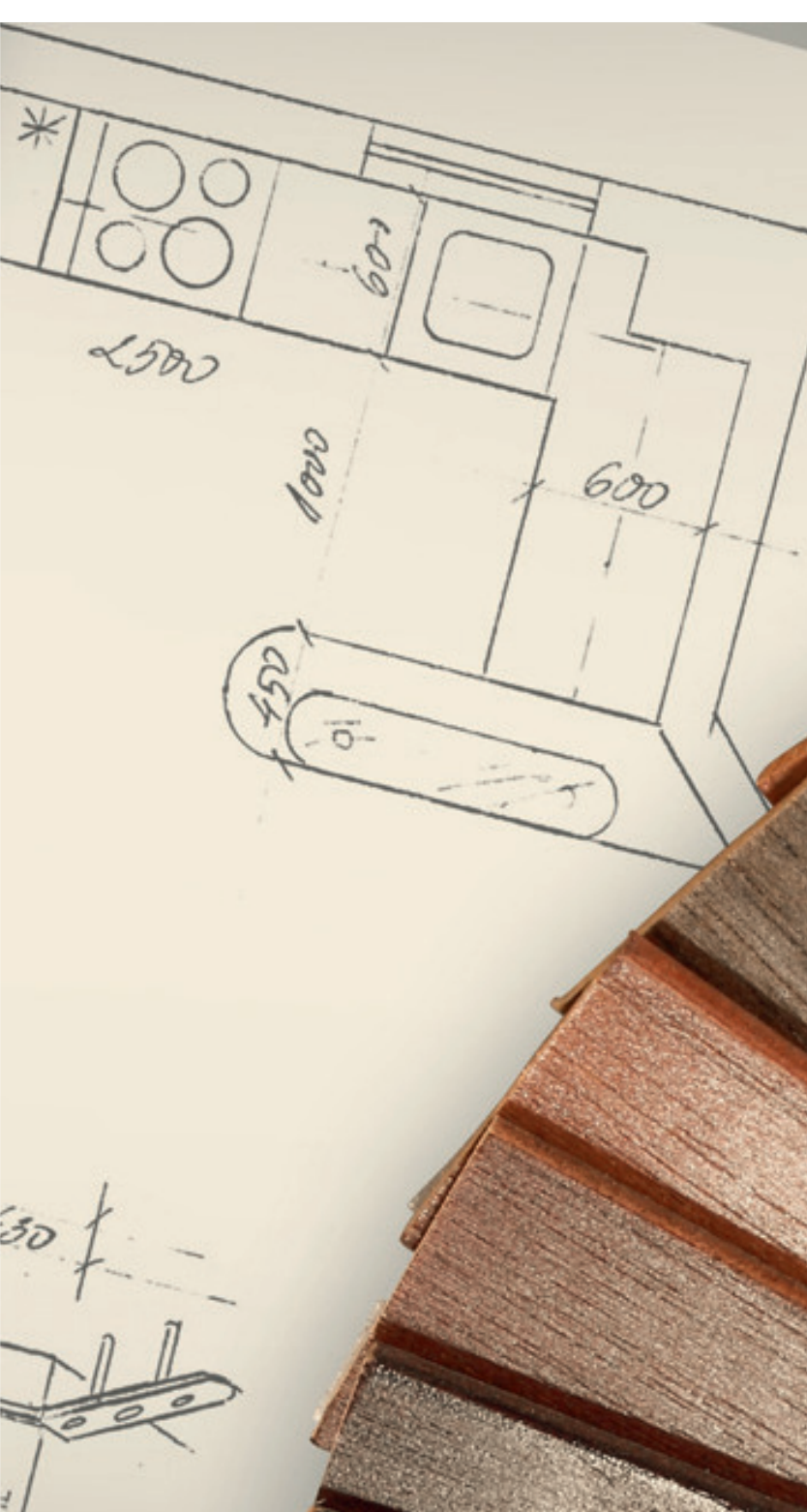
ALTENDORF MINDEN WESTF.



THERE IS STILL ONLY ONE F 45.

YOUR NEW ALTENDORF.

Wave goodbye to compromise: from now on you and only you decide what features your new F 45 will have. Which control unit you work with is entirely up to you, as is the choice of labour-saving features. The most important thing to know is that there are three control units available, every one of which allows you to move up to four axes and tilt the saw unit – to either side. And you can choose exactly the options you need irrespective of the control unit selected. The new F 45 is the first and hitherto only sliding table saw to offer you these options. Only one decision have we taken out of your hands completely: whichever control unit you pick for your new F 45, it will be mounted at eye level. This configuration makes the operator's life much simpler, because the swivel-mounted display is always visible from any working position – even from the right-hand side of the saw blade. Fit out your new F 45 to your precise requirements: it really is time to wave goodbye to compromise.



YOUR NEW F45.



0405

CHOOSE YOUR CONTROL UNIT



OR



OR



F45 ProDrive

F45 EvoDrive

F45 ElmoDrive

CHOOSE YOUR OPTIONAL EXTRAS





THERE IS STILL ONLY ONE F 45.

The great thing about Altendorf's new generation is that we now have just the one model: the F 45. This one model, however, comes with a choice of three completely new control units, all of which enable you to control up to four axes from the centrally-positioned eye-level control panel. Let's start by looking at the basic specification and the choice of control units.

BASIC SPECIFICATION

Motorised rise/fall and tilt adjustment (0–46°) for main saw blade with automatic cutting height correction when saw blade tilted

Eye-level control unit, swivelling

Sliding table, table length 3000 mm

Rip fence, manual adjustment using graduated scale, includes fine adjustment, cutting width 1000 mm

Crosscut fence with fixed 90° angle, manual adjustment using graduated scale up to 3200 mm

Maximum saw blade projection 150 mm, maximum saw blade diameter 450 mm

Motor rating 4 kW (5.5 HP), single speed (4000 rpm)

AKE tool clamping system for the main saw blade

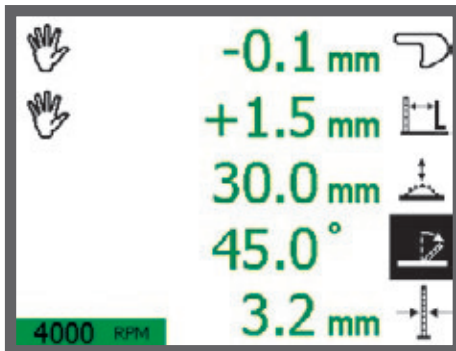


F 45 ProDrive – CONTROL UP TO FOUR AXES AND MORE.

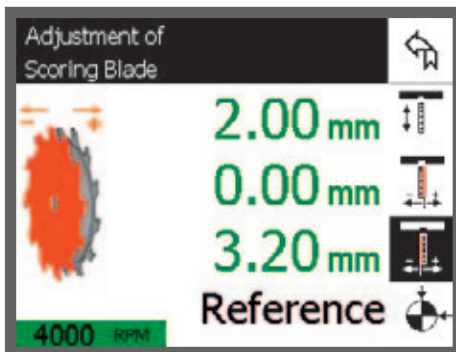
The control unit, which swivels where you want it, offers unprecedented ease of use, clarity, safety and convenience. This basic control unit already provides control of all four axes. All values and functions are displayed clearly on the screen, which has a 90 mm diagonal. The green keys give you access to the following functions: saw blade height and tilt (up to 46° to both sides) plus, depending on machine specification, motorised rip fence, motorised crosscut fence, scorer and VARIO (infinitely variable speed control between 2 000 and 6 000 rpm). The white keys are used to enter the numerical values. Obviously the control unit can only control the options you've chosen, so make sure you choose precisely the configuration you need for your Altendorf.



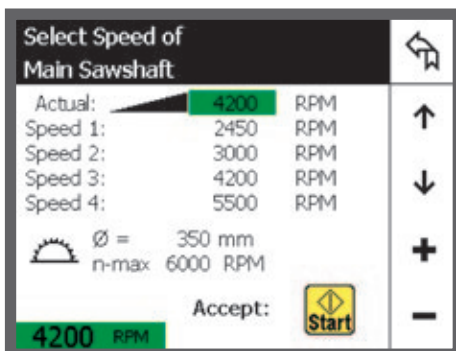
F 45 ProDrive – CONTROL UP TO FOUR AXES AND MORE.



Machine in basic specification,
saw blade tilted, manual dimension
correction



Configuring the three-axis scorer*



VARIO
(infinitely variable speed control)*

F 45 ProDrive

- ▶ Motorised rise/fall and tilt adjustment (up to 46° to either side)*
for the main saw blade with automatic height correction and digital display
- ▶ Motorised rip fence adjustment*
- ▶ Motorised crosscut fence adjustment with one motorised axis*
- ▶ Automatic position correction for rip fence and crosscut fence when saw blade tilted
- ▶ Digital speed display or infinitely variable speed control (VARIO)*
- ▶ Motorised scorer unit, two or three axes*
- ▶ Continuous precision axis control using +/- keys*
- ▶ Control of the vacuum clamping system in the sliding table*
- ▶ Easy axis calibration
- ▶ Machine diagnostics
- ▶ Operating hours counter
- ▶ USB interface
- ▶ "Back" function to recall last set of dimensions entered
- ▶ Memory for 99 cutting programmes

MACHINE IN BASIC SPECIFICATION WITH CONTROL UNIT

M18150 F 45 ProDrive

*optional accessory

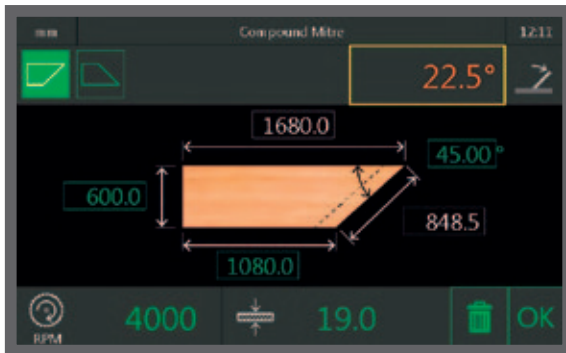
F 45 EvoDrive – EFFICIENCY-BOOSTING FEATURES ALREADY ONBOARD.

The new F 45 EvoDrive has a 7" touch screen with separate keyboard for entering numerical values. It can control up to four axes, including saw blade tilt to either side. What distinguishes it from the F 45 ProDrive is its pre-installed application technology: the F 45 EvoDrive defines, for example, inside and outside dimensions automatically from the material thickness data supplied. You also benefit from grooving, incremental dimension and bevel rip features, which should simplify your work considerably – as, indeed, should the compound mitre function and the tool management system. The F 45 EvoDrive lets you store 999 programmes for rapid retrieval via the keyboard too. The green navigation buttons below the screen allow you to move between functions, access the main menu or go back to the previous page. You can also adjust the display to suit different ambient lighting conditions – dark background or light background – so you always have a good view of everything you need. Try the F 45 EvoDrive and discover how we have already done much of the hard work for you!

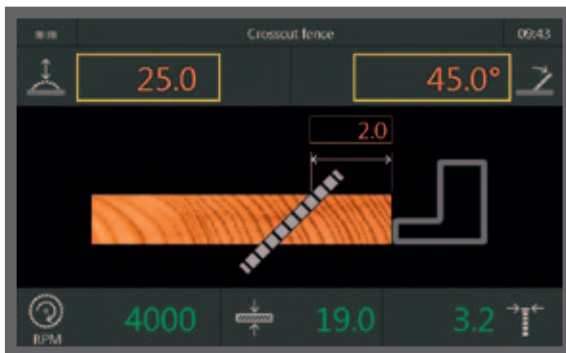


F 45 EvoDrive – EFFICIENCY-BOOSTING FEATURES ALREADY ONBOARD.

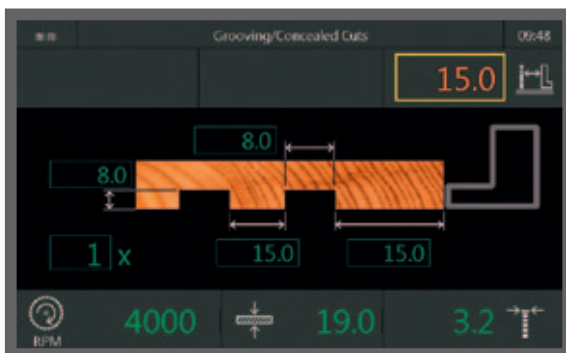
0809



Compound mitre



Bevel rip



Grooving

F 45 EvoDrive

- ▶ The F45 EvoDrive includes all of the functions of the F45 ProDrive control unit (pages 6–7) and more
- ▶ Automatic conversion of inside to outside dimensions for the rip fence and crosscut fence as a function of material thickness and tilt angle
- ▶ Compound mitre function with automatic calculation of missing angles/dimensions
- ▶ Enhanced tool management
 - Scorer position memory (three-axis scorer)*
 - Storage of saw blade plate thickness and cutting width
 - Storage of main saw blade speed
 - Memory for a maximum of 100 saw blades
- ▶ Additional functions
 - Grooving: rip fence positioned automatically step by step to create the groove
 - Incremental dimensions: rip fence moves out or in automatically by a specified distance
 - Bevel rip: the rip fence is set automatically to cut away the required angle from strips pre-cut at 90 degrees, as a function of material thickness and tilt angle
 - Memory for 999 cutting programmes

MACHINE IN BASIC SPECIFICATION WITH CONTROL UNIT

M18151 F45 EvoDrive

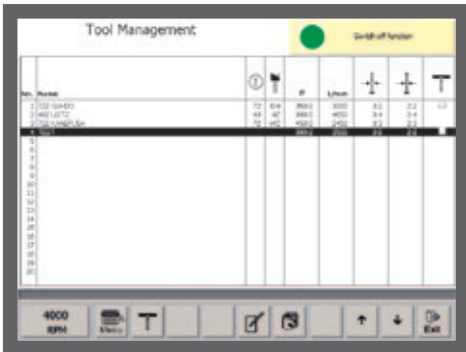
*optional accessory

F 45 ElmoDrive – CONTROL TECHNOLOGY WITHOUT EQUAL.

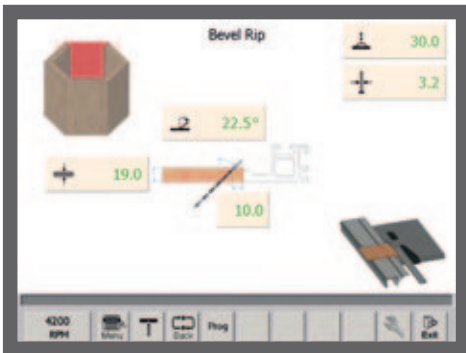
The F 45 ElmoDrive incorporates the most advanced and comprehensive control technology in existence for sliding table saws. Positioned at eye level, it combines optimal ease of operation with practical and ergonomic operation. The calculator, geometric shapes, compound mitre and tool management functions are easily accessed and clearly presented on the 12" touch screen. The F 45 ElmoDrive of course gives you motorised control of all axes and allows you to tilt the saw unit to either side. The lower part of the display can be used to store functions you return to regularly (desktop function) for even more efficient operation. The F 45 ElmoDrive is the only control unit that can be linked with a cut optimisation package. All in all, nothing comes close to the F 45 ElmoDrive for control technology. Day after day.



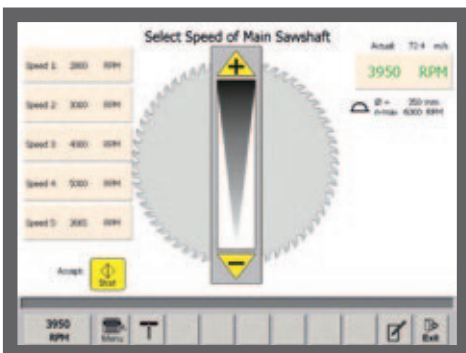
F 45 ElmoDrive – CONTROL TECHNOLOGY WITHOUT EQUAL.



Grooving



Bevel rip



Rotational speed menu

F 45 ElmoDrive

- ▶ The F 45 ElmoDrive includes all of the functions of the F 45 ProDrive and F 45 EvoDrive control units (pages 6–9) and more
- ▶ Calculator function, with results transferred to the relevant axes
- ▶ Geometric shapes with automatic calculation of missing angles/dimensions
- ▶ Mitre joints between pieces of different widths with automatic calculation of missing angles/dimensions
- ▶ Interface for connecting to a PC, for example to allow running of cut optimisation programmes*
- ▶ Memory for 9 999 cutting programmes

MACHINE IN BASIC SPECIFICATION WITH CONTROL UNIT

M18152 F 45 ElmoDrive

*optional accessory

THE F 45 CONTROL UNITS COMPARED.



F 45 ProDrive



F 45 EvoDrive



F 45 ElmoDrive

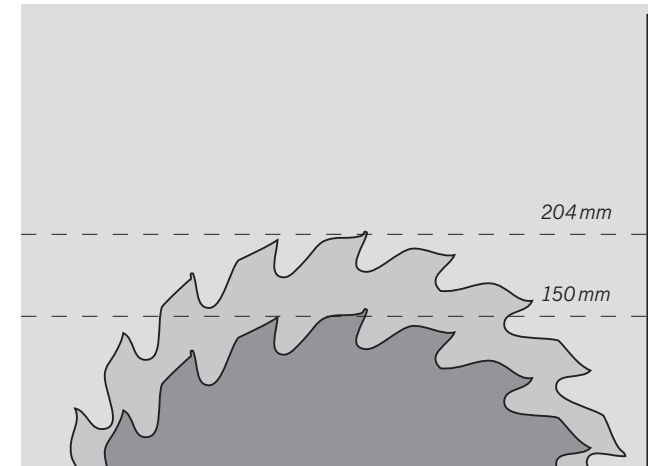
OVERVIEW OF THE CONTROL UNITS*	F 45 ProDrive	F 45 EvoDrive	F 45 ElmoDrive
Main saw blade height adjustment	●	●	●
Main saw blade tilt adjustment, one-way	●	●	●
Main saw blade tilt adjustment, two-way	○	○	○
CNC rip fence	○	○	○
UNO 90 CNC crosscut fence	○	○	○
DUO 90/DUO Flex CNC crosscut-mitre fence	—	○	○
Vacuum table	○	○	○
TIP-SERVO-DRIVE	○	○	○
Programmes	99	999	9999
Inside/outside dimension function for rip fence	—	●	●
Inside/outside dimension function for crosscut fence	—	●	●
Tool management	—	100	100
Compound mitre	—	●	●
Groove/chain groove	—	●	●
Incremental dimension function for rip fence	—	●	●
Bevel cut with oversize allowance	—	●	●
Mitre joints between pieces of different widths	—	—	●
Geometric shapes	—	—	●
Calculator function	—	—	●
Job time recording	—	—	●
USB interface for programmes and data	●	●	●
Cut optimisation interface/link	—	—	○

● *standard*○ *option*— *not included** *if part of machine specification*

A close-up photograph of a man with short dark hair and black-rimmed glasses, focused on his work. He is wearing a white collared shirt and a dark vest. He is holding a piece of wood with both hands, and a circular saw blade is visible in the foreground, partially obscuring the view. The background is a blurred workshop environment.

**THE FUNDAMENTALS: SAW
UNITS AND SLIDING TABLES**

TWO-WAY TILT: ALWAYS PRACTICAL.



Saw unit tilts up to 46° to either side. The ability to tilt the saw unit up to 46° to either side makes the F 45 an even more versatile cutting machine. It saves time too: there is no need to adjust the extraction hood, which simply moves with the saw unit, and the F 45 completes the entire 90° movement, from full tilt on one side to full tilt on the other, in just 12 seconds. One of the main applications for the two-way tilt function is the sawing of internal mitres, which can be done easily and safely using the crosscut fence. Just as straightforward are simple bevel cuts and compound mitres. It saves time too: there is no need to change the extraction hood, you simply slide it between the left and right tilt positions.

The new Altendorf saw unit features impressively robust tilt quadrants incorporating the traditional Altendorf tongue-and-groove connection system too, enabling it to tilt easily and with absolute precision just as you would be entitled to expect. The standard drive for this unit is a 5 kW (6.8 HP) motor with infinitely variable speed adjustment (VARIO, 2 000–5 000 rpm), but a more powerful 6.5 kW (8.8 HP) motor is available as an option. The synchronous servo motors fitted are up to 15% more efficient than conventional alternatives with a power reserve of up to 120%, which means peak power points of 11 kW for the 5 kW motor and 15 kW for the 6.5 kW motor.

M18500 incl. 5 kW (6.8 HP) VARIO motor

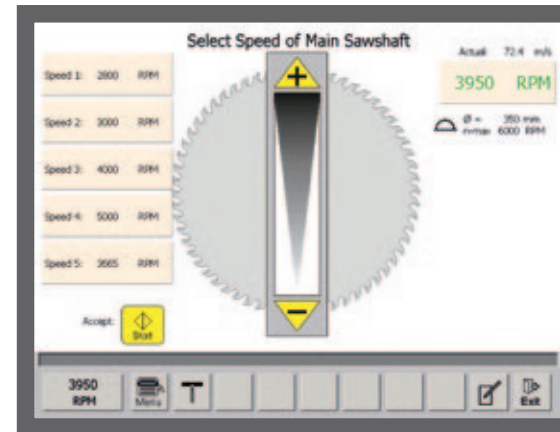
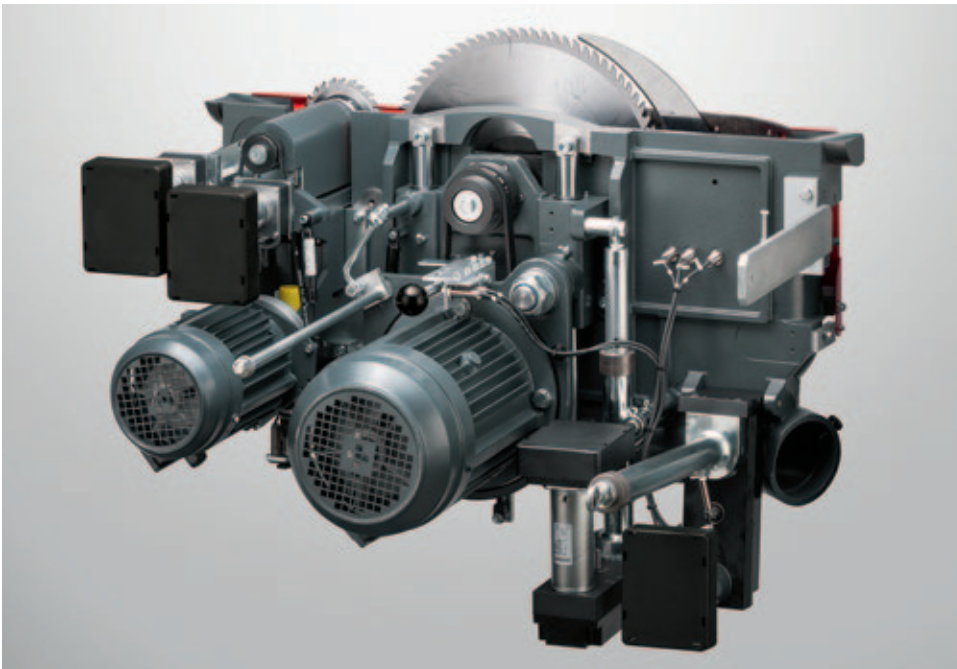
M51059 Additional charge for 6.5 kW (8.8 HP) VARIO motor

Extended cutting height for two-way tilt. The maximum saw blade projection of 204 mm is achieved with a saw blade diameter of 550 mm. We recommend you choose the more powerful 6.5 kW (8.8 HP) motor.

M64079

Special voltages on request.

SAW UNITS: HIGH TORQUE WITH POWER TO SPARE.



Drives for one-way tilt with manual speed adjustment. The motors are manufactured specially to Altendorf's specifications and have been optimized for use in sliding table saws. They provide up to 20% more torque than conventional electric motors with no increase in power consumption. The three-speed units operate at 3000, 4000 and 5000 rpm and are adjusted manually.

4.0 kW (5.5 HP), single speed
M51100 5.5 kW (7.5 HP), three speeds
M51101 7.5 kW (10 HP), three speeds
M51102 11 kW (15 HP), three speeds

basic specification

VARIO drive for one-way tilt. This drive offers infinitely variable speed control between 2000 and 6000 rpm. Matching speed precisely to the material increases not just cutting quality, but also the service life of your saw blades, which, in turn, helps to reduce your costs.

M51103 5.5 kW (7,5 HP)

M51104 7.5 kW (10 HP)

Extended cutting height for one-way tilt. This option is fitted out for one-way tilt with a large extraction hood for a maximum saw blade diameter of 550 mm and a saw blade projection of no greater than 204 mm. The maximum saw blade diameter when used in combination with a scorer unit is 500 mm. Only in combination with a motor rating of at least 5.5 kW (7.5 HP)

M64080

ADMIRER FOR ITS SMOOTH RUNNING, PRECISION AND SAFETY.



Sliding table. The Altendorf sliding table is renowned for its smooth, precise running. The large dumbbell rollers guide the moving table with absolute precision between the hard-chromed guide bars. Robust though it is, the table responds to even a light touch, gliding smoothly and securely as if on rails. And it retains this ease of movement even after decades of hard work, dust and dirt.

M34201 Table, length 2 250 mm
Table, length 3 000 mm

M34204 Table, length 3 200 mm

M34205 Table, length 3 400 mm

M34206 Table, length 3 800 mm, with floor support

M34207 Table, length 4 300 mm, with floor support

M34208 Table, length 5 000 mm, with floor support

M37003 On/off switches on sliding table (not in combination with TIP-SERVO-DRIVE)

840 mm table extension

M41011 1 200 mm table extension

M41012 1 600 mm table extension, with floor support

M41013 2 000 mm table extension, with floor support

basic specification

basic specification

TIP-SERVO-DRIVE. The motorised servo drive for the sliding table moves even the heaviest of workpieces back and forth easily during cutting, taking the physical strain off your body – and your back in particular. The electronic sensor control handle responds to the lightest of touches, so you can maintain an upright and relaxed posture throughout the cutting operation. The TIP-SERVO-DRIVE cannot be used in combination with the on/off switches on sliding table option or the vacuum clamping in sliding table option.

M35201 Table, length 2 250 mm

M35203 Table, length 3 000 mm

M35204 Table, length 3 200 mm

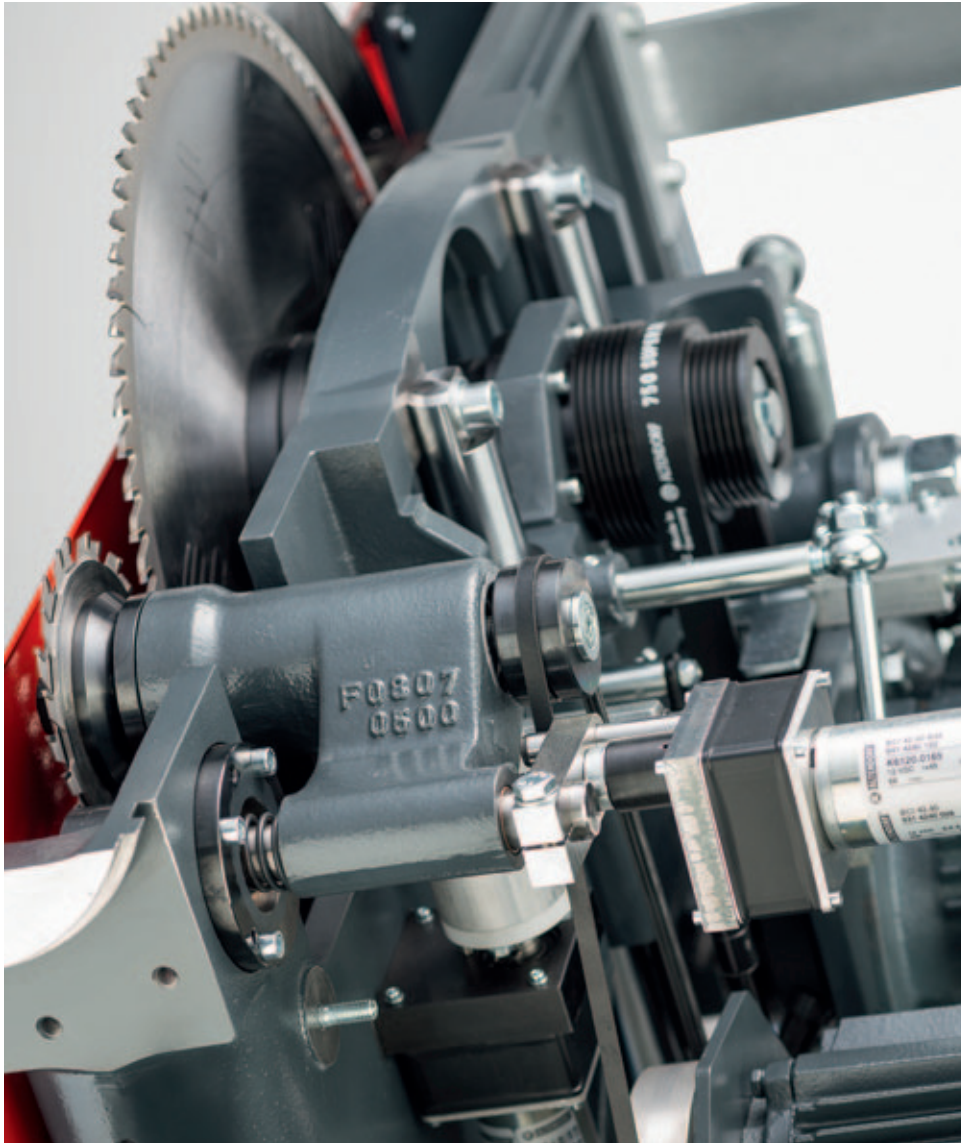
M35205 Table, length 3 400 mm

M35206 Table, length 3 800 mm

M35207 Table, length 4 300 mm

M35208 Table, length 5 000 mm

SCORER UNITS: CHIP-FREE AND SAFE.



Two-axis scorer unit with electronic vertical and lateral adjustment, programmable scorer blade height, rapid deploy and retract and 0.75 kW (1 HP) motor (8200 rpm). For retrofitting only to machines designed to accommodate a scorer unit.

- M24030** One-way tilt
- M24034** Two-way tilt
- M24038** Scorer-unit ready

Three-axis scorer unit (RAPIDO Plus) with motorised vertical, lateral and cutting width adjustment, including saw blade, programmable scorer blade height, rapid deploy and retract, saw blade width display and 0.75 kW (1 HP) motor (8200 rpm). For retrofitting only to scorer-unit-ready machines.

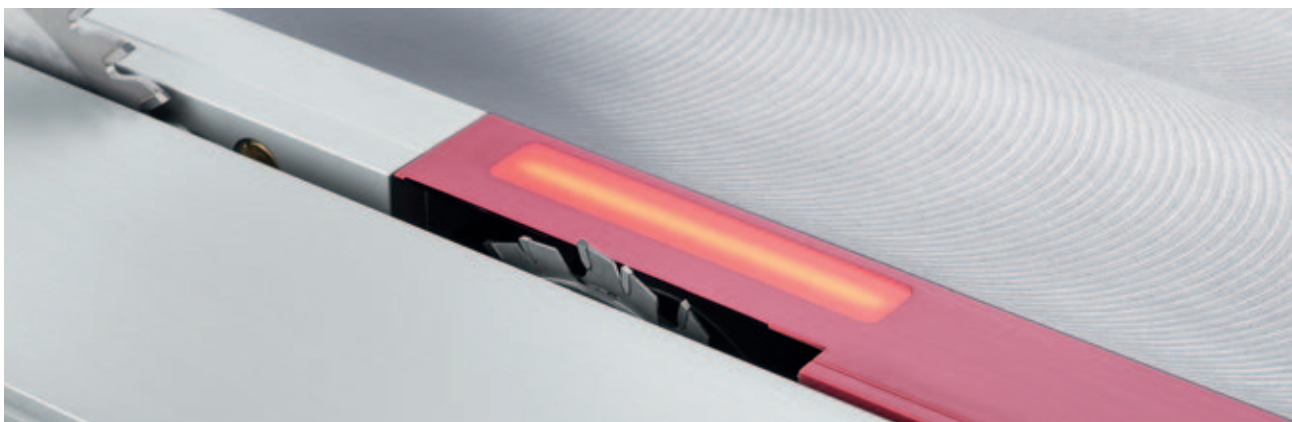
- M24032** One-way tilt
- M24036** Two-way tilt
- M24038** Scorer-unit ready



RAPIDO scoring system. The scorer ensures chip-free undersides when working with laminated panels. The RAPIDO system makes adjusting the cutting width straightforward and enables this step to be completed in no more than three minutes. This can save you up to 30 minutes as compared with conventional scorer systems because it does away with the tedious process of mounting two-part scorer blades with spacer disks entirely. Adjustment is continuous and precise, so the RAPIDO can be fine-tuned to match any main blade. Range: 2.8–3.8 mm.

M24031 One-way tilt, $\varnothing = 120$ mm

M24035 Two-way tilt, $\varnothing = 180$ mm



LED illumination: particularly energy-efficient LEDs render the hazard area around the scorer highly visible.

M24037

A man with short brown hair and blue eyes, wearing a dark grey zip-up jacket, is leaning forward in a factory or workshop. He is looking intently at a large, curved metal part that is in the foreground, which is slightly out of focus. The background shows a blurred industrial environment with various pieces of machinery and equipment. The lighting is bright and even, highlighting the man's features and the metallic surfaces.

**PRECISION TO THE RIGHT OF
THE BLADE:
ANALOG, DIGITAL, OR CNC?**

THE ALTENDORF RIP FENCES: UNSURPASSED PRECISION.



Rip fence with manual fine adjustment. Setting the fence manually is easy; the precision fine adjustment makes for great accuracy. The hard-chromed round bar system ensures the fence moves smoothly. The rip fence can be swung away below table level in one action when preparing to divide large panels.

M44420 Cutting width 800 mm
Cutting width 1 000 mm

M44422 Cutting width 1 300 mm

M44423 Cutting width 1 600 mm

basic specification



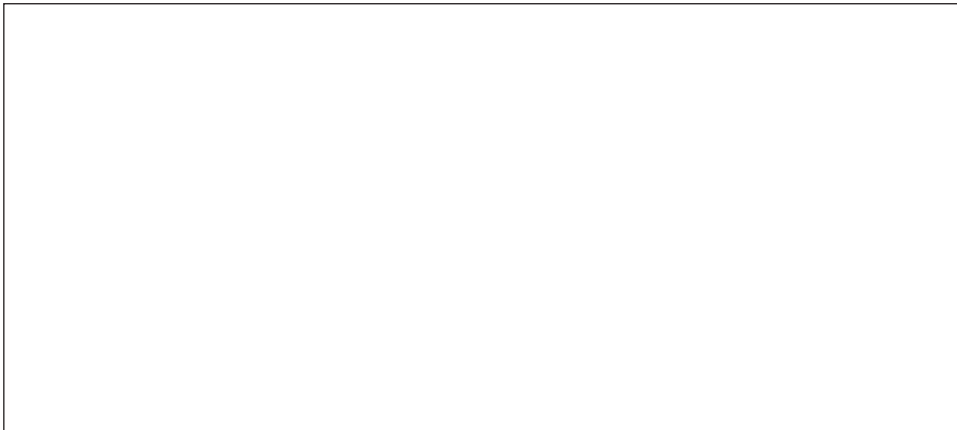
DIGIT X: digital cutting width display for the rip fence with manual fine adjustment. This electronic measuring system ensures rapid and precise adjustment of the rip fence. Recurring dimensions can be reproduced exactly and checked on the DIGIT X display. The correction for the rip fence position is shown digitally on the machine control unit's LCD display when working with the saw blade tilted. The system is not subject to wear and is unaffected by dust. Dimensions are corrected automatically when the fence is switched between the upright and the flat position.

M44430 Cutting width 800 mm

M44431 Cutting width 1 000 mm

M44433 Cutting width 1 300 mm

M44434 Cutting width 1 600 mm





CNC rip fence. The CNC rip fence has a traverse speed of 250 mm/sec. and an accuracy of $\pm 1/10$ mm. The high-precision five-point recirculating ball screw system is low maintenance and, along with the motor, is well protected by its integration into the aluminium profile. The fence detects its position automatically, especially in the danger area around the saw blade, and has an emergency cut-out to prevent the risk of crushing. Dimensions are corrected automatically when the fence is switched between the upright and the flat position or when working with the saw blade tilted.

M44440 Cutting width 800 mm

M44441 Cutting width 1 000 mm

M44443 Cutting width 1 300 mm

M44444 Cutting width 1 600 mm

**SQUARE CUTS AND
ANGLE CUTS: PRECISION
AND ERGONOMICS TO
THE LEFT OF THE BLADE.**



CROSSCUT FENCES WITH FIXED 90° ANGLE: EVERYDAY ACCURACY.



Crosscut fence with fixed 90° angle. The crosscut fence with fixed 90° angle allows precision cuts on workpieces of different lengths and formats. The fence can be easily slid from the front to back position without lifting. The basic specification includes stops to 3200 mm, adjustable using the graduated scale.

M44400 Stops to 2500 mm
Stops to 3200 mm

basic specification



Crosscut fence with DIGIT L: for 1/10mm accuracy when setting the length dimension. The display shows all stop settings applied. The central measuring and display unit calibrates the entire system in one operation. High-capacity batteries and a charger are included.

M44401 Stops to 2500 mm

M44403 Stops to 3200 mm

Additional cross slide with floor support roller. This accessory is well worth considering if you plan to be sizing large and heavy workpieces of up to 250 kg. Recommended floor rail: flat steel, 10 x 60 mm (length = 2x table length + 500 mm). The floor rail is to be provided by the customer.

M64056



Pull-out cross slide extension. This option makes it easier to cut longer/wider workpieces and increases the width of the support area for the manual crosscut fence.

M64085

CROSSCUT-MITRE FENCES: PRECISION, PLAIN AND SIMPLE.

Crosscut-mitre fence. This patented Altendorf fence, with integral length compensation, can make both square cuts and mitre cuts. The mitre angle can be adjusted continuously over a range of 49° with a graduated scale and the robust, free-sliding zero-play flip stops can be positioned individually at any distance up to a maximum of 3 500 mm. The outer stop docks into the roller-stabilised telescopic extension for distances longer than about 1 700 mm. When cutting mitres, length compensation means measurements to the stops are accurate whatever the angle. Simply slide the fence to the desired angle, line up the pointer with the same angle on the length compensation scale, then set the flip stop to the length required.

M44404



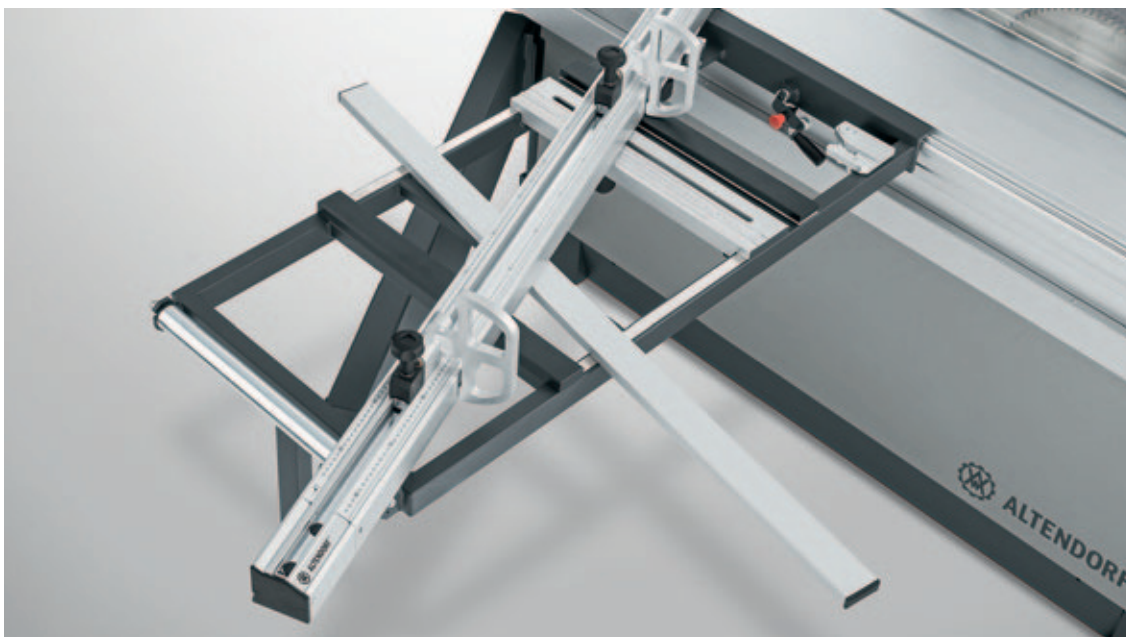
Crosscut-mitre fence with DIGIT L and DIGIT LD: for 1/10 mm accuracy when setting the length dimension. The display shows all stop settings applied. The central measuring and display unit calibrates the entire system in one operation. High-capacity batteries and a charger are included. The DIGIT LD also displays the angle digitally, enabling a level of precision of $\pm 1/100^\circ$. The length dimension is calculated automatically as a function of the mitre angle. With integral length compensation. Including two flip stops and fine adjustment.

M44406 With DIGIT L

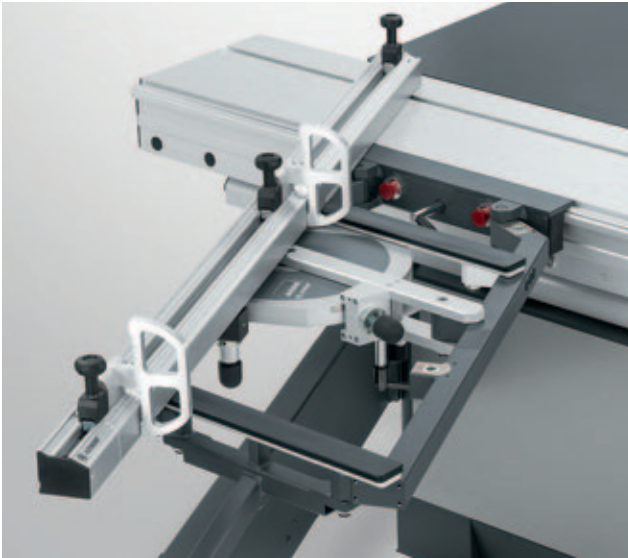
M44408 With DIGIT LD

Pull-out cross slide extension. This option makes it easier to saw longer/wider workpieces and increases the width of the support area of the crosscut-mitre fence. It extends to a distance of 650 mm.

M64085

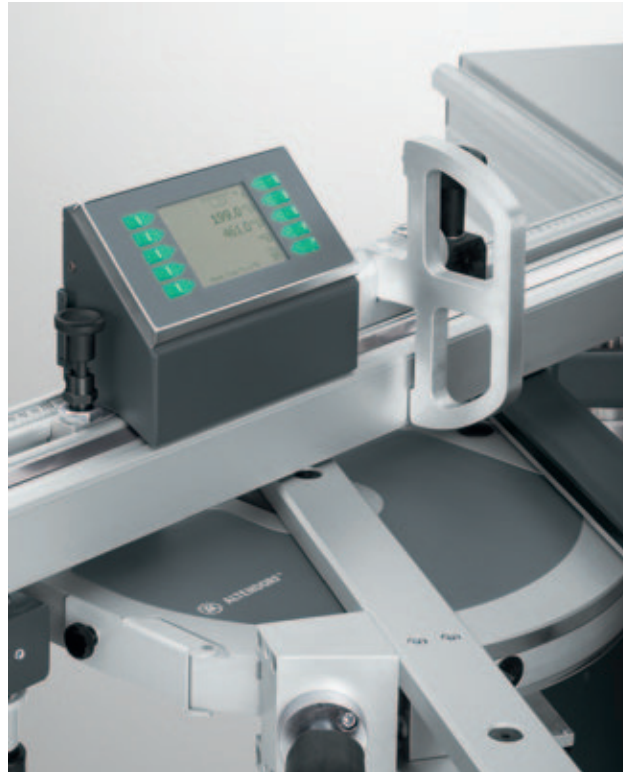


PARALLELOGRAM CROSS SLIDE: EASY ANGLES EVERY TIME.



Parallelogram cross slide (PQS). Accurate and wear-free, this system features a robust 90° locking mechanism that ensures the right-angle position is absolutely repeatable. The fence can be angled by up to 47° in either direction. The integrated digital display shows the angle with an accuracy of 1/100° for optimal precision. Also included is length compensation, which is simply set using a scale when the fence is angled. Stops to 3500 mm.

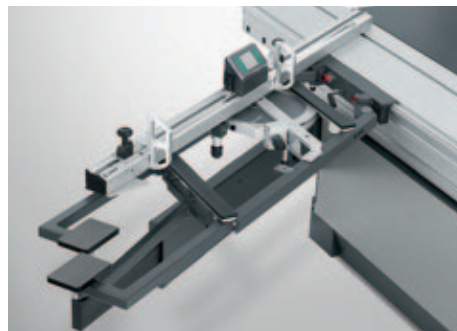
M44409



Parallelogram cross slide with DIGIT L and DIGIT LD. Developed specifically for the new parallelogram cross slide (PQS), this display unit (90 mm diagonal) shows the distance to all stops digitally at the same time. Length compensation is straightforward once the fence has been set to the required angle. The fine adjustment of the distance to the stops is accurate to 1/10 mm and the angle is displayed as in the standard parallelogram cross slide. This reduces set up time to an absolute minimum. The high-capacity batteries can be recharged very quickly using the integral charger provided. The DIGIT LD displays the angle digitally, enabling a level of precision of $\pm 1/100^\circ$. The length dimension is calculated automatically as a function of the mitre angle. Including two flip stops and fine adjustment of the angle.

M44411 With DIGIT L

M44412 With DIGIT LD

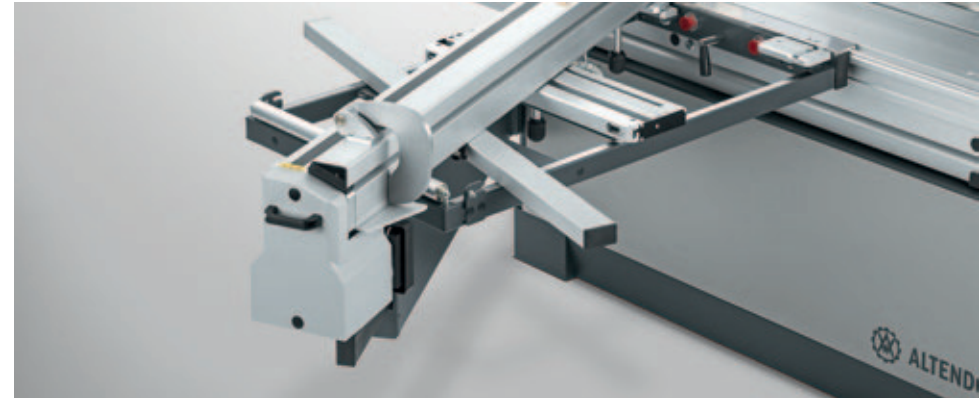
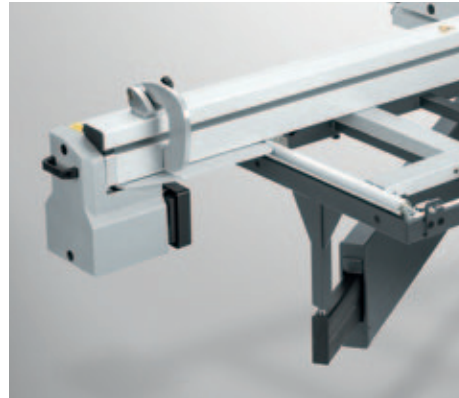
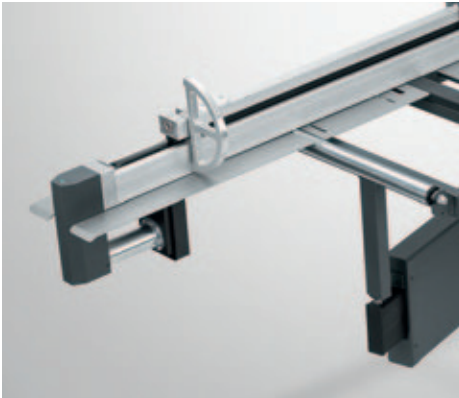


Cross slide extension. The fixed cross slide extension (up to 650 mm) with two separate supports makes it easier to saw wider/longer workpieces.

M64086

CNC CROSSCUT FENCES: MOTORISED FOR PERFORMANCE.

3031



CNC crosscut fence UNO 90. The CNC crosscut fence UNO 90, which is fixed in the 90° position, makes it possible to complete both square cuts and mitre cuts with great precision. The flip stop has a maximum travel of 1 900 mm. If greater length is required, the extension supplied can be fitted manually to give a maximum dimension of 2 900 mm.

M44413

CNC crosscut fence DUO 90. This fence features two CNC stops with a maximum travel of 3 500 mm. It is fixed in the 90° position. Workpieces can be positioned against either side of the fence. The CNC crosscut fence DUO 90 is not compatible with the F 45 ProDrive control unit.

M44414

CNC crosscut-mitre fence DUO Flex. The DUO Flex fence can be angled manually by up to 47° for easy and convenient square cut and mitre cuts. It includes automatic length compensation and two motorised flip stops (travel to 3 500 mm). It is not necessary to lift the fence to switch between the front and rear positions on the cross slide. Workpieces can be positioned against either side of the fence, which makes it possible to complete compound mitres and mitre cuts at acute or obtuse angles in a single operation. The CNC crosscut fence DUO Flex is not compatible with the F 45 ProDrive control unit.

M44415

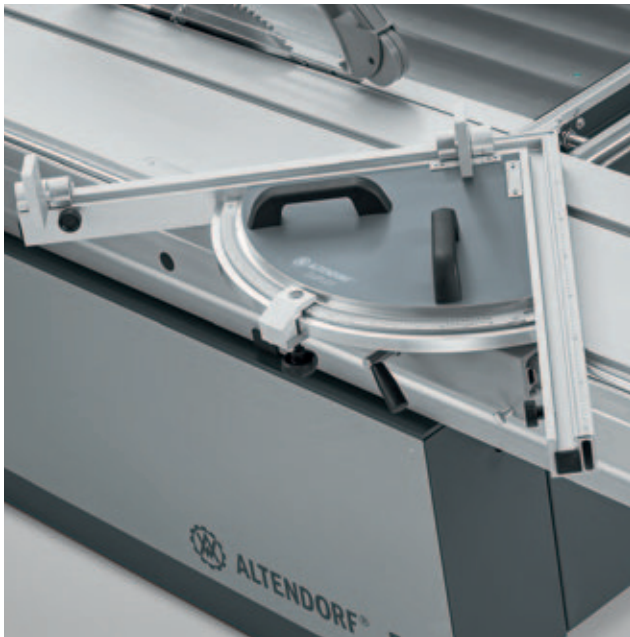
Cross slide extension. The cross slide extension makes it easier to saw wider/longer workpieces. Total extension to 650 mm.

M64085 UNO 90 (pull-out)

M64087 DUO 90 (fixed)

M64088 DUO Flex (pull-out)

DOUBLE-SIDED MITRE FENCES: TWICE AS USEFUL.



DUPLEX double-sided mitre fence. DUPLEX fences make it possible to make mitre cuts at any angle between 0 and 90° with speed and precision. At 45° a mitre cut can be made on both sides of the workpiece without moving the fence. Dimensions are set using a magnifier, a measuring scale and a length compensation scale for frequently recurring angles. All DUPLEX fences can be positioned anywhere along the entire length of the sliding table.

M64060 Stops to 1 350 mm

M64061 Stops to 2 150 mm

DUPLEX D. The DUPLEX D provides the same functionality as the DUPLEX plus a digital angle display that shows values to an accuracy of 1/100°. Digital angle display and analogue length scale for adjustment, integral length compensation for frequently recurring angles. Batteries included.

M64062 Stops to 1 350 mm

M64063 Stops to 2 150 mm



DUPLEX DD. The DUPLEX DD, which has been patented worldwide, not only eliminates tedious calculations and measurement checking completely, but even removes the need for test cuts. Developed exclusively by Altendorf, the high-precision electronics in the DUPLEX DD calculate the length dimension as a function of the mitre angle on both sides of the fence and display both values digitally. Digital angle display and digital length display for adjustment, automatic length compensation. Batteries included.

M64064 Stops to 1 350 mm

M64065 Stops to 2 150 mm

A man with glasses and a mustache, wearing a dark jacket, is leaning over a large sheet of light-colored material in a workshop. He is looking intently at the material. In the background, there is a large piece of machinery, possibly a saw, with a circular blade. The scene is lit with warm, industrial lighting.

**FURTHER OPTIONS FOR
EVEN GREATER FLEXIBILITY**



RETAIN WORKPIECES SECURELY FOR SAFER WORKING.



Manual quick-action clamp: the alternative to the pneumatic clamp. The manual quick-action clamp can be positioned on the sliding table easily and is equally easy to fix in place, ensuring the workpiece is reliably retained on the table and against the crosscut fence. It has a clamping height of up to 200 mm and provides extra safety at very little extra cost.

M64090

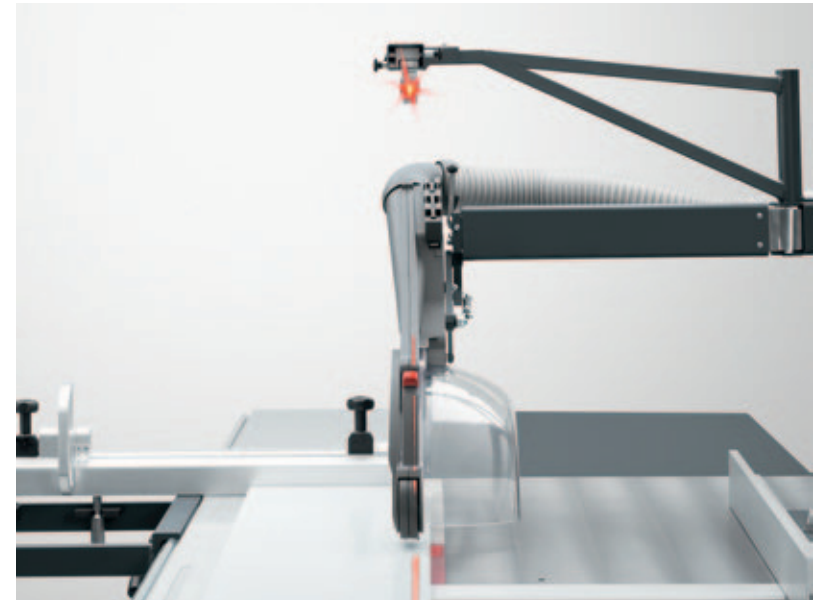


Quick-action pneumatic clamp: secures the workpiece in place on the sliding table. Activated by radio remote control, the quick-action clamp exerts a clamping force of up to 1 000 N to securely retain the workpiece against the crosscut fence. It can clamp workpieces up to 170 mm thick. Available with one or two clamping units. Pneumatic connection to be provided by customer (6 bar).

- M64091** With one clamping unit (clamping range 0–90 mm)
- M64092** With two clamping units (clamping range 0–90 mm)
- M64093** With one clamping unit (clamping range 80–170 mm)
- M64094** With two clamping units (clamping range 80–170 mm)

Laser cutting line marker. The laser cutting line marker shows the cutting line clearly for all cut lengths, which is useful when trimming or cutting marked jobs such as steps. Use it to save both time and materials.

M64066





Vacuum clamping system in the sliding table. Altendorf is the first in the world to apply proven vacuum clamping technology to sliding table saws. The system, which is integrated into the sliding table itself, has at its heart a powerful vacuum pump that generates a vacuum via pairs of suction grippers arranged in the sliding table. The various suction zones positioned along the length of the sliding table can be activated individually at the touch of a button, allowing the vacuum to be matched optimally to each workpiece. Panels of wood, plastic and non-ferrous metals remain securely in position on the sliding table throughout even complex cuts such as angles, long mitres and cuts to an outside dimension. Another touch of a button is all it takes to release the workpiece. Vacuum clamping improves reliability, precision and convenience and helps to eliminate manual operating errors. All table lengths feature the same five pairs of suction grippers. Each pair can be activated separately. Additional pairs of suction grippers are available on request. Not compatible with TIP-SERVO-DRIVE.

M64095



Pneumatic pressure beam. This is an ideal solution for securely retaining workpieces of up to 80 mm thick, making it particularly useful when working with long and thin materials such as veneers. It comes in two separately-controlled pieces. A 6 bar pneumatic connection is required.

M64070 For 2 250 mm table, clamping length 1 975 mm

M64071 For 3 000 mm table, clamping length 2 725 mm

M64072 For 3 200 mm table, clamping length 2 925 mm

M64073 For 3 400 mm table, clamping length 3 125 mm

M64074 For 3 800 mm table, clamping length 3 525 mm

EVEN MORE WAYS TO SIMPLIFY YOUR WORK.



Toolbox. The practical toolbox is a closable container capable of holding up to six tool carriers (maximum saw blade diameter 550 mm) ready for use. This option requires a minimum sliding table length of 3 000 mm. The basic toolbox includes 4 saw blade carriers.

M44453

STEG. The STEG second support makes sizing large panels more straightforward for the user.

M44452



Clipboard: Mounted on the eye-level control panel, the clip board allows you to attach your cutting lists so you have your ongoing jobs in view at all times.

M62003



Infeed support roller. The 300 mm-wide infeed support roller is particularly useful when cutting longer workpieces against the rip fence. It folds away under the sliding table (minimum length 3 000 mm) when not required.

M44450





PALIN. Used in combination with the crosscut fence, the PALIN makes it possible to complete parallel and conical cuts in long, narrow workpieces with absolute accuracy. The measuring system butts against the side of the workpiece rather than the end, so no cutting length is lost and workpieces of differing lengths can quickly be cut exactly parallel without the PALIN having to be moved. The PALIN can be used as an additional workpiece support too if the measuring system is removed. Also available is the PALIN D model, which offers digital measurement display and fine adjustment.

M64058 Graduated scale for adjustment

M64059 Digital measurement display with fine adjustment, batteries included

Perfect cutting results with nonferrous metals and plastics too: as thousands of Altendorf sliding table saws at companies all over the world can attest, the F45 cuts much more than just wood.



Coolant spray device. Use of a coolant spray device is recommended when working with plastics with a low melting point and for certain light metal alloys. Your Altendorf will cut nonferrous metals and plastics cleanly, with sharp contours, to within a tenth of a millimetre.

M64067



OPTION PACKS

1415

We have always offered an almost limitless range of feature options to help you make an Altendorf your very own, but the addition of the three new control units vastly increases the choices available to you. Every single option in the Altendorf range is compatible with each of the three control units. Such a wealth of choice delivers real benefits for our customers, not least because of the enormous versatility it provides. But on the other hand it might leave you spoiled for choice! So for this reason we have brought together the four most commonly ordered option combinations in a set of handy predefined packages. This allows you to profit from the preferences of your woodworking colleagues worldwide – although you are of course still more than welcome to modify your preferred package as necessary to meet your own specific requirements.

FLEXIBILITY IS THE KEY.

YOUR F 45 PACK 1.

This F 45 includes additional ease-of-use features on top of the standard system. All F 45 control units are installed at eye level, so you can easily see all of the data displayed while sawing. The **crosscut-mitre fence** with integral length compensation provides convenience and flexibility, enabling you to cut angles and mitres precisely with one function. Length compensation is effected as part of the same work step. The **digital display (DIGIT X)** ensures fast and precise setting of the rip fence. The corrected measurement for the end stop is displayed digitally on the control unit screen for safety when working with the saw blade tilted. The **infeed support roller** on the right-hand side is ideal when handling longer workpieces. The practical **toolbox** is a closable container capable of holding up to six tool carriers (maximum saw blade diameter 550 mm) ready for use.



OPTION PACK 1



Crosscut-mitre fence



DIGIT X rip fence



Infeed support roller



Toolbox

ENHANCED PRECISION AND ERGONOMICS.

YOUR F45 PACK 2.

Greater customer expectations demand a more richly featured machine for even higher quality processing. This option package is all about enhanced precision and ergonomics. The powerful **5.5 kW (7.5 HP) motor** offers a choice of three speeds (3 000/4 000/5 000 rpm). Selecting the required speed is a quick manual task. The **crosscut-mitre fence with digital display (DIGIT L)** and integral length compensation allows the length dimension to be set with 1/10 mm accuracy, which is easily achieved thanks to the fine adjustment feature, while the **CNC rip fence** ensures precision on the opposite side of the saw blade. The positioning of the rip fence is corrected automatically when the saw unit is tilted. The practical **clipboard** on the control unit display allows you to keep an eye on your working documents as you cut.



OPTION PACK 2



Motor rating 5.5 kW
(7.5 HP), three speeds



Crosscut-mitre fence
with DIGIT L



CNC rip fence



Clipboard

SAVE TIME THROUGH EASE OF OPERATION.

YOUR F45 PACK 3.

Time is money – and never more so than today. We assembled our third suggested package of features with this realisation in mind to produce an F45 that really respects the value of time. The **clipboard** mounted at eye level on the control unit is convenience itself, enabling you always to keep your job documents in easy reach. The **VARIO drive with infinitely variable speed control** (2 000–6 000 rpm) allows you to match speed perfectly to your material with the barest minimum of set-up time and as an added bonus the service life of your sawblades between sharpenings is increased considerably. The **parallelogram cross slide (PQS)** makes it easier to manage large workpieces and ensures maximum precision for all angle cuts. Absolute repeatability avoids miscuts. On the right-hand side of the saw blade, the **CNC rip fence** assumes the specified position within seconds of you entering the figures on the control unit display. This can generate overall time savings of 25% every day, a gain you can undoubtedly put to good use.



OPTION PACK 3



**VARIO drive with 5.5 kW
(7.5 HP) drive rating**



**Parallelogram cross slide
(PQS)**



CNC rip fence

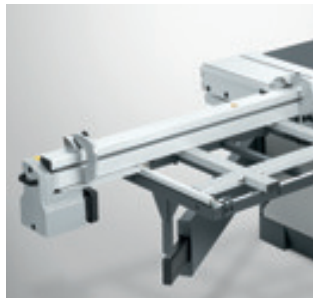


Clipboard

MAKE WORK A PLEASURE.

YOUR F45 PACK 4.

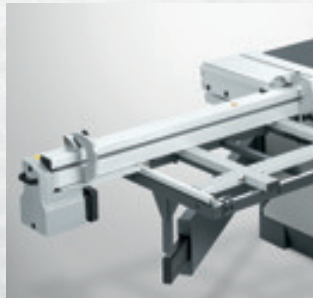
Altendorf's design engineers have been developing and refining the sliding table saw incessantly ever since Wilhelm Altendorf designed the first one in 1906. This F45 package contains the highest standard of convenience, precision and safety features a modern sliding table saw can offer. Choose the F45 ElmoDrive to extract the very best from this package and enjoy straightforward control of the saw unit height and tilt settings via the 12" touch screen. Match speed perfectly to your material and slash your set-up time with the infinitely variable speed control of the **VARIO drive** (2000–6000 rpm). Position the **CNC rip fence** and the stops on the **CNC crosscut fence DUO 90** too. The **clipboard** keeps your job documents in view, the practical **toolbox** holds up to six tools ready to use. Treat yourself to Altendorf's convenience and positioning technology features for the ultimate in ease of use!



OPTION PACK 4



**VARIO drive with 5.5 kW
(7.5 HP) drive rating**



**CNC crosscut fence
DUO 90**



CNC rip fence



Clipboard



Toolbox

ALTENDORF ONLINE: EQUALLY GOOD WITH PC, TABLET OR SMART PHONE.

YOUR CONSTANT LINK TO YOUR F45.

The **current Altendorf website** works equally well accessed from a PC, a tablet or a smart phone: images and text are automatically adapted to suit your device, so you can find out more about the F45 and, of course, the rest of what Altendorf has to offer – training, warranties, maintenance and other services – wherever you happen to be. **Keep in touch!**



A nighttime photograph of a modern building's entrance. The building features a large glass facade with a balcony above the entrance. The interior is warmly lit, and the balcony has several chairs. The entrance has a glass door with the 'ALTENDORF' logo above it. The foreground shows a paved area with some low-level lighting.

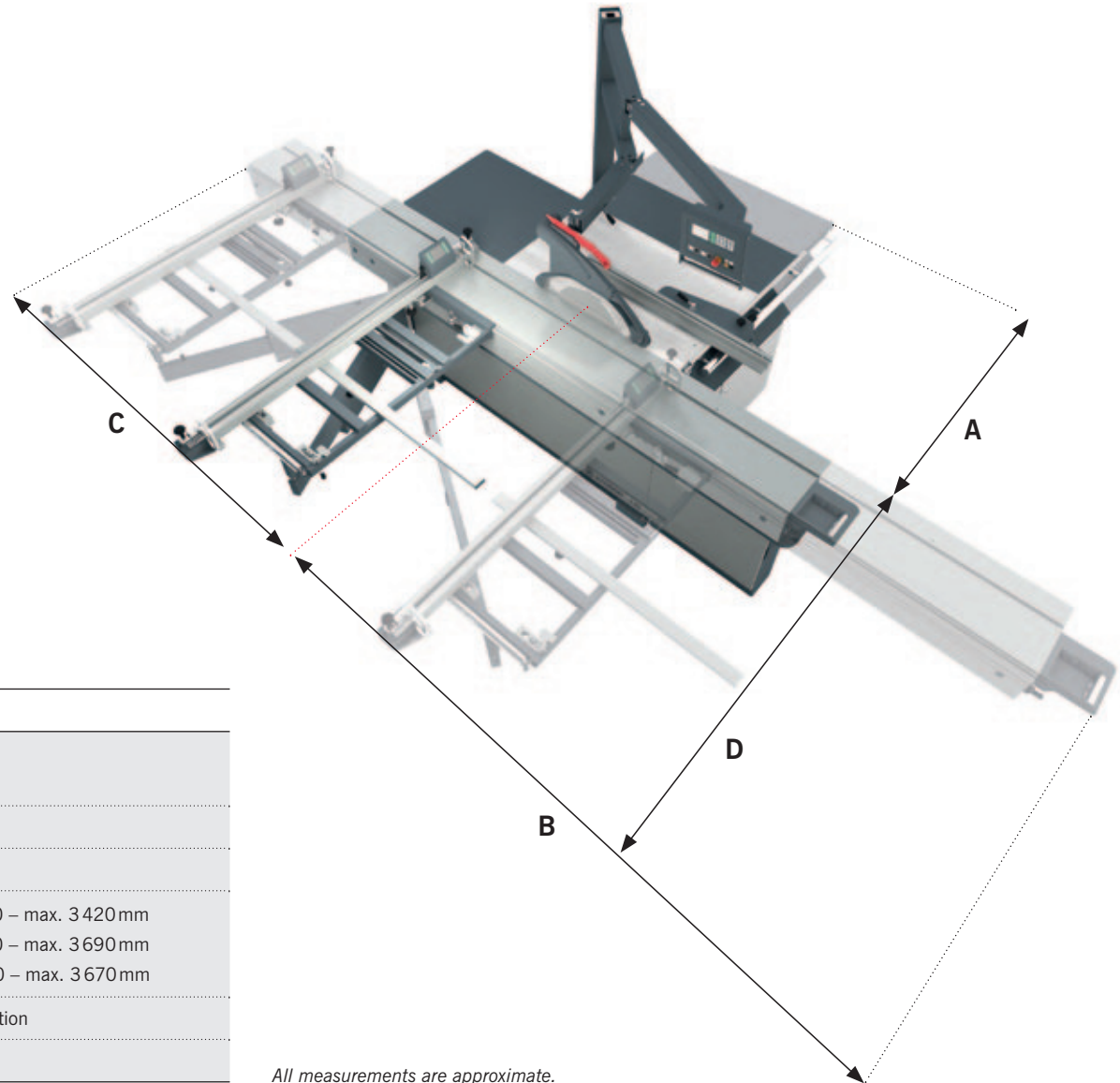
**FOR FRIENDS OF ALTENDORF:
THE “ALTENDORF
INFORMATION FORUM”.**

THE HOME OF YOUR SAW.



The Altendorf sliding table saw has led the way ever since Wilhelm Altendorf developed and built the very first saw of the type in 1906. His invention has since gone on to conquer the world, attracting over 150 000 grateful devotees. The company marked its centenary by opening the Altendorf Training Centre, which exhibits a few of the very earliest sliding table saws as well as, more practically, the current models. Thousands of friends of the Altendorf brand come together here every year to attend demonstrations and training events: our technical development never stops, so there is always something new to discover. If you think you might be in the area some time or would like to give your employees the chance to refresh their knowledge, a warm welcome awaits you at the Saw School!

TECHNICAL SPECIFICATIONS.



IN SIMPLE TERMS, YOUR F45 NEEDS:

A	Manual adjustment: Cutting width + 280 mm Motorised adjustment: Cutting width + 360 mm
B	Table length + 360 mm
C	Table length + 290 mm
D	Crosscut fence: 1890 – max. 3 420 mm Crosscut-mitre fence and PQS: 1960 – max. 3 690 mm CNC crosscut fence UNO/DUO: 2200 – max. 3 670 mm
	Machine weight between 870 and 1 170 kg, depending on configuration
	Table height 910 mm

All measurements are approximate.

SLIDING TABLE CUTTING LENGTHS Maximum cutting lengths when using clamping shoe or crosscut fence. Not valid for crosscut fence, stops to 2500mm.

Table length (mm)	2250	3000	3200	3400	3800	4300	5000
Cutting length (mm) with WA, WGA, PQS and UNO	2155	2905	3105	3305	3705	3705	3705
Cutting length (mm) DUO and DUO Flex	2100	2850	3050	3250	3650	3650	3650

TIP-SERVO-DRIVE

Cutting length (mm) without scoring saw blade	1840	2590	2790	2990	3390	3870	3870
Cutting length (mm) with scoring saw blade	1725	2475	2675	2875	3275	3775	3775

MAXIMUM SAW BLADE PROTRUSION Maximum main saw blade diameter for machines with scorer: 500 mm

	One-way tilt			Two-way tilt		
Saw blade diameter (mm)	450	500	550	450	500	550
Saw blade protrusion 90°	154	179	204	154	179	204
Saw blade protrusion +45°	105	123	141	69	86	103
Saw blade protrusion -45°	—	—	—	98	115	132

ELECTRICAL POWER REQUIREMENTS

Motor (kW)	4	5,5	7,5	11	VARIO
Voltage (V)	380–420	380–420	380–420	380–400	380–400
Frequency (Hz)	50	50	50	50	50
Current (A) with/without scorer	8/10	11,5/13,5	15,5/17,5	22,5/24,5	11,0/13,0
Fuses/circuit breakers	20	25	25	35	35

DUST EXTRACTION CONNECTIONS

Top connection	Ø = 80 mm
Bottom connection	Ø = 120 mm
Pressure drop	1200 Pa with a total connection diameter, Ø = 140 mm
Minimum air requirement	V _{min} = 1110 m ³ /h at 20 m/sec

The cross section of the mains cable depends on the machine's distance from the power source and must be determined by a qualified electrician (Power drop in the input cable < 3%). For VARIO machines: RCD protection type B, all current (AC/DC) sensitive. Minimum cross section of the mains cable with VARIO is 4x4 mm². Please contact your Altendorf sales partner if your power supply does not match the requirements shown. Workstation noise level 84.1 dB (A).

Price for My F45

Ident	Pack	Description	Price	My F45	Ident	Pack	Description	Price	My F45	Ident	Pack	Description	Price	My F45
M18150		F45 ProDrive	€14,200		M35203		3000mm Tip Servo	€3,900		M44430		DIGIT X 800mm	€1,020	
M18151		F45 EvoDrive	€16,300		M35204		3200mm Tip Servo	€3,900		M44431		DIGIT X 1000mm	€1,180	
M18152		F45 ElmoDrive	€17,700		M35205		3400mm Tip Servo	€4,100		M44433		DIGIT X 1300mm	€1,650	
M18153		Option Pack 1	€3,080		M35206		3800mm Tip Servo	€4,550		M44601	1	DIGIT X 1300mm	€470	
M18154		Option Pack 2	€6,490		M35207		4300mm Tip Servo	€5,200		M44434		DIGIT X 1600mm	€1,990	
M18155		Option Pack 3	€9,110		M35208		5000mm Tip Servo	€5,950		M44602	1	DIGIT X 1600mm	€810	
M18156		Option Pack 4	€15,210		M64095		Vacuum	€8,900		M44440		CNC rip fence 800mm	€3,500	
M18500		2-way VARIO 5 kW	€7,900		M64070		Pneumatic 2250mm	€2,550		M44441		CNC rip fence 1000mm	€3,800	
M18502	2	2-way VARIO 5 kW	€7,370		M64071		Pneumatic 3000mm	€2,660		M44604	1	CNC rip fence 1000mm	€2,620	
M18503	3+4	2-way VARIO 5 kW	€5,700		M64072		Pneumatic 3200mm	€2,710		M44443		CNC rip fence 1300mm	€4,450	
M51059		2-way VARIO 6.5 kW	€1,900		M64073		Pneumatic 3400mm	€2,770		M44605	1	CNC rip fence 1300mm	€3,270	
M64079		2-way tilt 204mm	€350		M64074		Pneumatic 3800mm	€2,980		M44611	2+3+4	CNC rip fence 1300mm	€650	
M51100		5.5 kW 3-speeds	€530		M44400		90° 2500 cross slide	€0		M44444		CNC rip fence 1600mm	€5,600	
M51101		7.5 kW 3-speeds	€980		M44401		90° 2500 DIGIT L	€1,950		M44606	1	CNC rip fence 1600mm	€4,420	
M51110	2	7.5 kW 3-speeds	€450		M44403		90° 3200 DIGIT L	€1,950		M44612	2+3+4	CNC rip fence 1600mm	€1,800	
M51102		11 kW 3-speeds	€1,490		M64056		Second cross slide	€2,400		M44453		Toolbox	€950	
M51103		1-way VARIO 5.5 kW	€2,200		M64085		X-slide pull out ext.	€850		M44452		STEG	€260	
M51112	2	1-way VARIO 5.5 kW	€1,670		M44404		Crosscut mitre fence	€850		M62003		Clipboard	€160	
M51104		1-way VARIO 7.5 kW	€2,700		M44406		X-cut mitre DIGIT L	€2,800		M44450		Infeed roller	€450	
M51120	3+4	1-way VARIO 7.5 kW	€500		M44460	1	X-cut mitre DIGIT L	€1,950		M64060		DUPLEX 1350mm	€960	
M64080		1-way tilt 204mm	€450		M44408		X-cut mitre DIGIT LD	€3,900		M64061		DUPLEX 2150mm	€1,150	
M24030		2-axis scorer 1-way	€2,250		M44461	1	X-cut mitre DIGIT LD	€3,050		M64062		DUPLEX D 1350mm	€1,950	
M24034		2-axis scorer 2-way	€2,900		M44468	2	X-cut mitre DIGIT LD	€1,100		M64063		DUPLEX D 2150mm	€2,350	
M24032		3-axis scorer 1-way	€3,550		M64085		X-slide pull out ext.	€850		M64064		DUPLEX DD 1350mm	€2,650	
M24036		3-axis scorer 2-way	€4,250		M44409		PQS x-slide	€3,850		M64065		DUPLEX DD 2150mm	€2,900	
M24038		Scorer unit ready	€330		M44411		PQS x-slide DIGIT L	€4,920		M64090		Manual clamp	€160	
M24031		RAPIDO 1-way	€520		M44475	3	PQS x-slide DIGIT L	€1,070		M64066		LASER	€1,650	
M24035		RAPIDO 2-way	€590		M44412		PQS x-slide DIGIT LD	€5,680		M64091		Quickclamp 0-90	€1,550	
M24037		LED lightstrip	€180		M44476	3	PQS x-slide DIGIT LD	€1,830		M64092		Quickclamp 0-90 x2	€2,100	
M34201		2250mm table	€0		M64086		PQS x-slide fixed ext.	€450		M64093		Quickclamp 80-170	€1,650	
M34204		3200mm table	€570		M44413		UNO 90	€5,900		M64094		Quickclamp 80-170 x2	€2,250	
M34205		3400mm table	€940		M44414		DUO 90	€9,500		M64058		PALIN	€520	
M34206		3800mm table	€1,900		M44415		DUO Flex	€11,500		M64059		PALIN D	€1,550	
M34207		4300mm table	€2,990		M44480	4	DUO Flex	€2,000		M64067		SPRAY	€2,600	
M34208		5000mm table	€4,700		M64085		UNO pull out ext.	€850				TOTAL		€0
M37003		ON/OFF	€500		M64087		DUO 90 fixed ext.	€850						
M41011		Take off (TPL) 1200mm	€440		M64088		DUO Flex pull out ext.	€1,450						
M41012		Take off (TPL) 1600mm	€660		M44420		Rip fence 800mm	€0						
M41013		Take off (TPL) 2000mm	€920		M44422		Rip fence 1300mm	€420						
M35201		2250mm Tip Servo	€3,900		M44423		Rip fence 1600mm	€1,250						
		SUBTOTAL					SUBTOTAL							

Prices are ex-works excluding packing and VAT.
In Excel, for insert 1
€, insert rate here: 1.35 €0

