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Hobeln

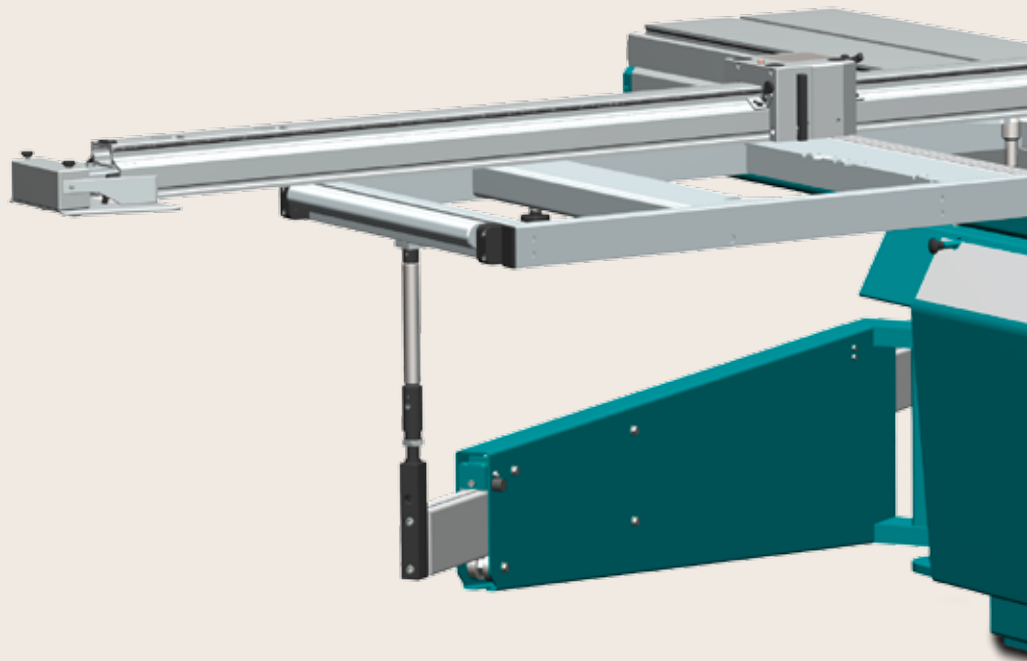
Fräsen

MARTIN

T75 PreX Sliding-Table Saw

2 x 46° Cutting Angle

204 mm Cutting Height

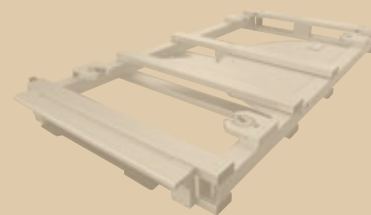


The MARTIN sliding-table saws provide cutting-edge performance for the long-term!

Apart from maximum precision and long life, MARTIN offers major components that can be updated as time marches on.



MARTIN



MARTIN Sets Standards

Why a MARTIN machine is something very special

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The T7PreX

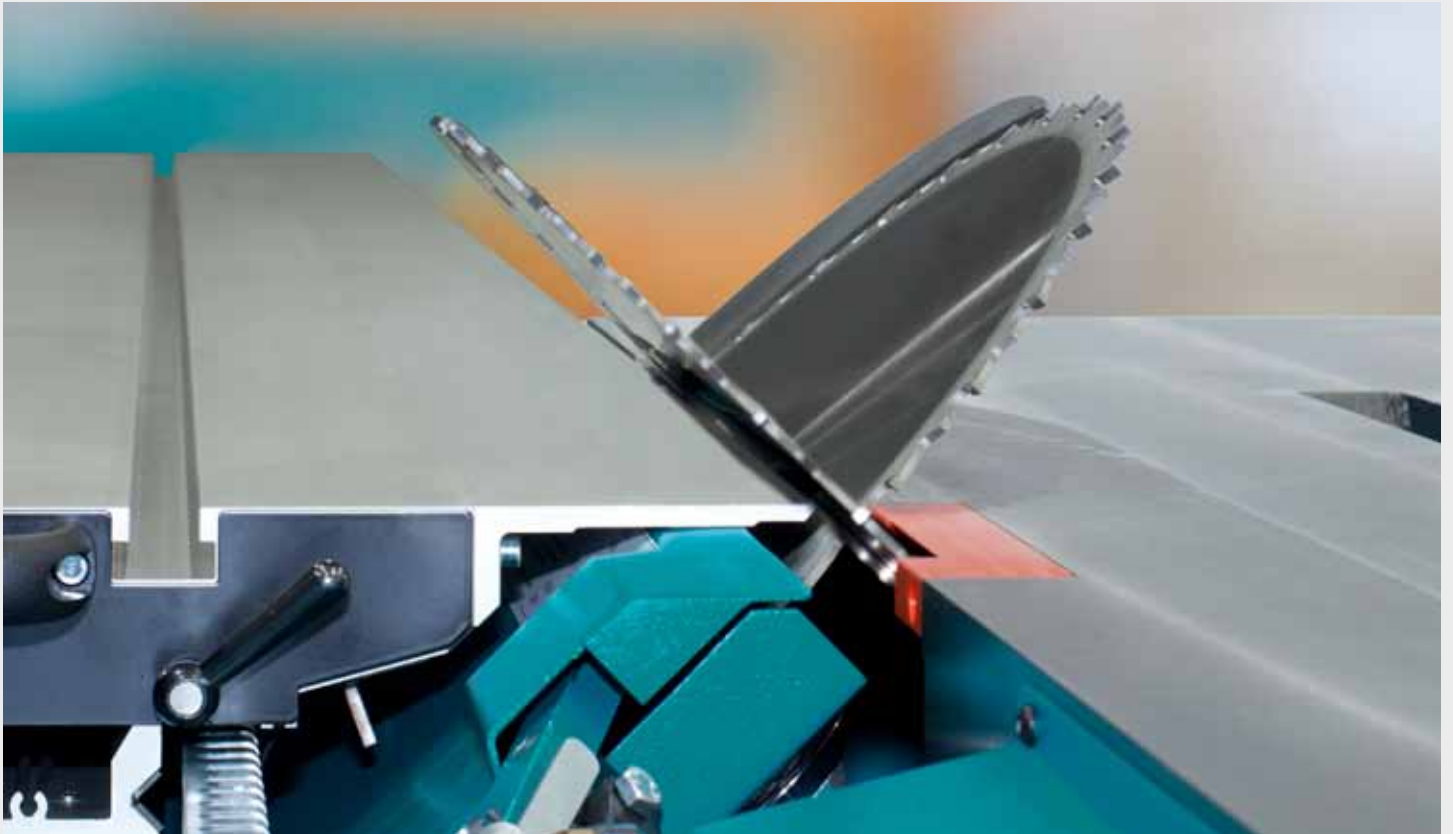
Obtain perfect results automatically

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Accessories

Individual solutions for your individual needs

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2 x 46° tilting range for maximum flexibility

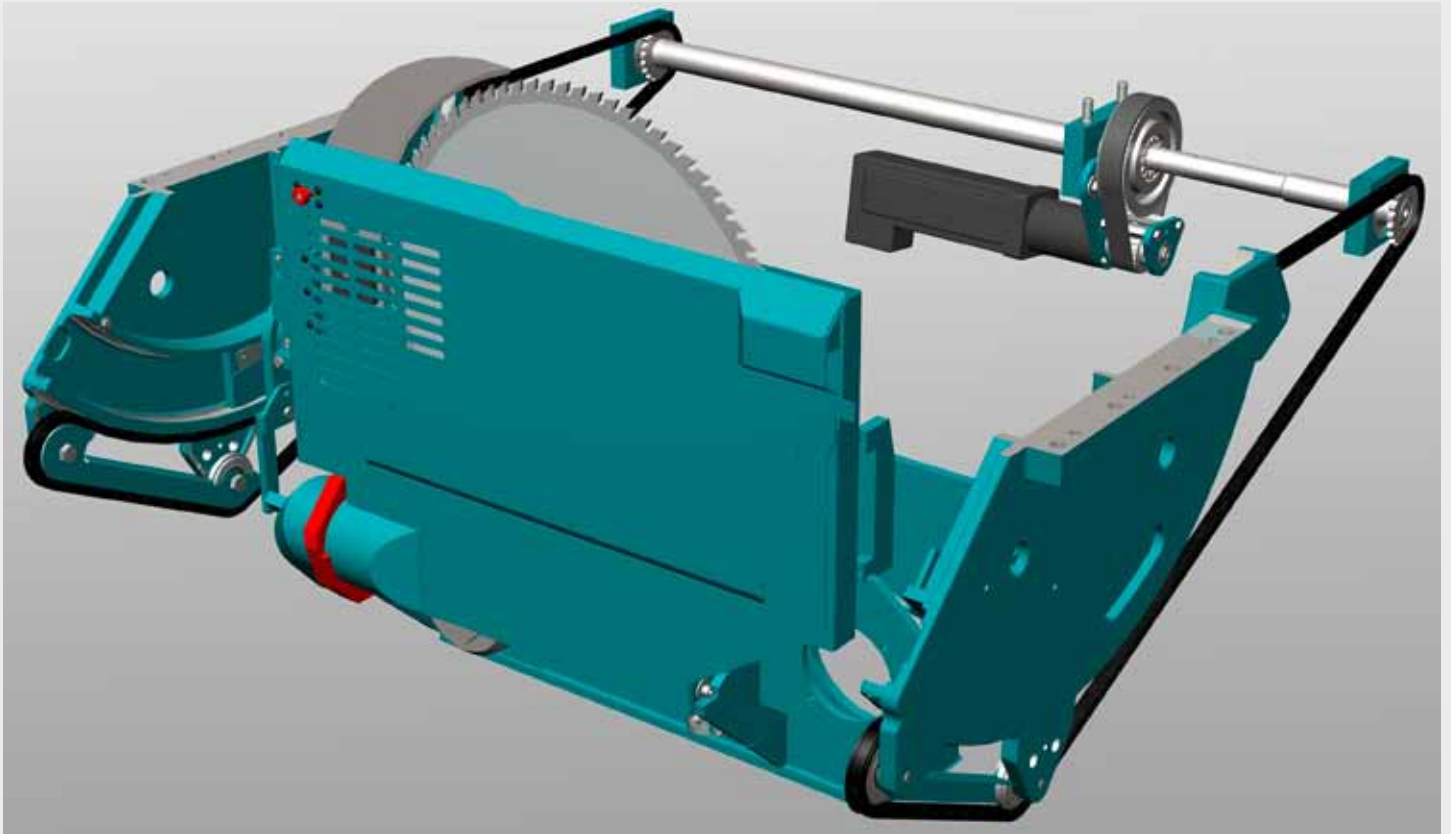
With the possibility of tilting the saw blade of the MARTIN sliding table saw by 2 x 46° it is now up to the operator to decide how to machine a workpiece and not up to the machine. Regardless of whether it comes to the cutting quality, safety or time saving the T75 PreX makes it easy for you to decide which machine you should buy. It is easy to operate and you can decide how you want to set up the machine for the process to be performed.

The advantages at a glance

Quality: With the T75 PreX you don't have to turn your workpiece over in order to make an angle cut. From now on the „good“ side will always be the top side. It does not matter whether you process solid wood or panel products; from now on tear-outs on the face side of your workpiece are a thing of the past.

Time: Adjustment and set-up times are reduced to a minimum with the T75 PreX. Regardless of whether it comes to time-consuming installation of certain jigs or fixtures or whether you simply need time to decide on how to best perform a compound cut. The machine is easy to operate and you can adjust it the way it is best suited for the job at hand.

Safety: By keeping control over every step in the process, you minimize the risk of accident for you and your employees. You don't have to use makeshift jigs, fixtures and fences anymore. Just work the way you are used to and the way in which you feel the most secure.



Dual tilting drive

With the T75 PreX, MARTIN has revolutionized the concept of the dual-tilting drive of the saw blade. We want you to operate your machine with the precision and accuracy that you are used to when working with a MARTIN. It was especially challenging for our engineers to design a system to precisely adjust the heavy trunnion over a tilting range of 92° to 0.01° . The saw blade arbor is moved from two sides which results in the unique MARTIN DualDrive system. The

CANBus motor evenly transmits power to both sides of the tilting trunnion and positions it extremely accurately via two chain drives that run synchronously. The system is completely resistant to dirt, dust and normal wear and tear. A built-in sensor monitors the angle position and permanently compares it with the values set by the controller. Accuracy that you can count on!



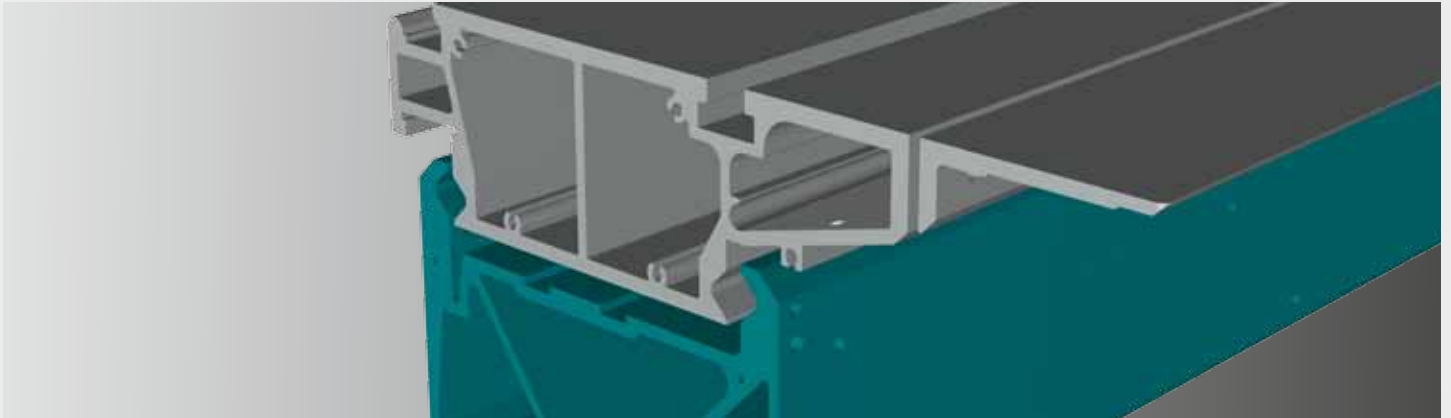
Combinable saw-blade guards

The patent pending saw-blade guard system of the T75 PreX offers more flexibility and safety to the operator.

Early on in the development process, it was very important to our engineers that the saw-blade guard of the T75 PreX provided good functionality. A saw blade that extends up to 204 mm with a tilting range of 92° has to be covered completely by a wider guard without interfering with the operator's work process.

Through the combination of various wide and narrow blade guards, the operator can customize the guards and fit them to the blades angle, thereby increasing dust collection efficiency.

The guards are symmetrical and can simply be turned around, further reducing set-up times. Both sides of the blade guard can even be equipped with sensors so the controller can monitor the allowed cutting angle and saw blade protrusion which creates the perfect zone of protection for the operator.



Sliding table with replaceable table lip

The MARTIN hardened steel guide system, that has been steadily improved since 1959, is part of every sliding table saw. The unbeatable technical advantage of this system is the permanent smooth and precision guidance of the table. Some in our industry view the fact that the hardened steel guide strips are permanently lubricated in oil to be a great disadvantage. On the contrary, it is a testament to MARTIN's quality as it is the only way to make sure that the surfaces are unaffected by dust and chips. The hardened guide strips

are cleaned every time the operator strokes the table and is the only way to permanently ensure a smooth and easy movement of the sliding table over time.

The table lip that is bolted to the main sliding table extrusion makes it easy to repair damage caused by deflected saw blades. The table can be locked down every 20 mm along the length of the machine, another MARTIN exclusive!



Cross-cut fence with splinter-free blow-out block

The T75's cross-cut fence has hardly been affected by the doubling of the tilting angle to 92°. You get a premium cross-cut fence that can be pushed back to a safety position when you tilt the saw blade to the left. This way it makes room for the blade guard that now protects this space. Thanks to the clever design of the extension mechanism, its

blow-out block can be used as backing plate regardless of where the fence is positioned. The T75's cross-cut fence has a perfect contact surface for short work pieces even if it is pushed back into the safety position. This way your cutting results are always perfect.

Touch-screen controller

Modern control system technology

The T75 PreX is also equipped with the efficient and user friendly touch screen controller, that has been a MARTIN standard since 2006. Step by step, the operator enters all the necessary parameters and is guided through the process by the controller. All the necessary adjustments are done automatically. This speeds up work and leads to a more intuitive understanding of the machine's function by the operator.

MARTIN developed the user interface in close cooperation with industrial graphic designers and machine operators. The operating logic is based on what woodworkers need. All relevant information is visible at a glance. The controller always boots up to the „HOME“ page where you get a quick overview on all the important settings like cutting height, cutting angle and fence positions.

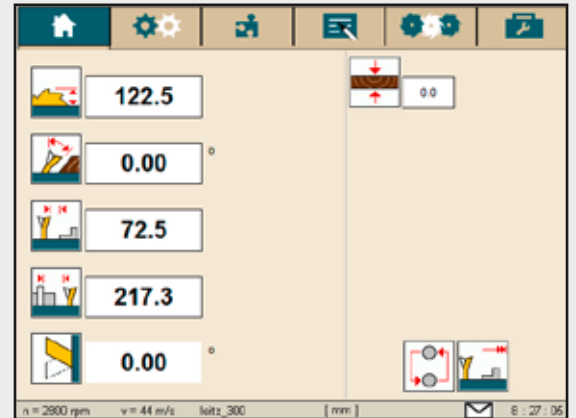
Easy to operate

To enter a new value for a particular axis into the controller, just touch the respective number field. The screen immediately changes its input mode, enabling you to enter new numerical values. The numeric keypad not only indicates the minimum and maximum allowable input values that the machine will take, but also memorizes the last five input values for rapid recall. The integrated calculator can also be used if necessary. On the „HOME“ page, rapid access icons can be created and unused icons can be deleted. This way you can keep track of the current machine values.

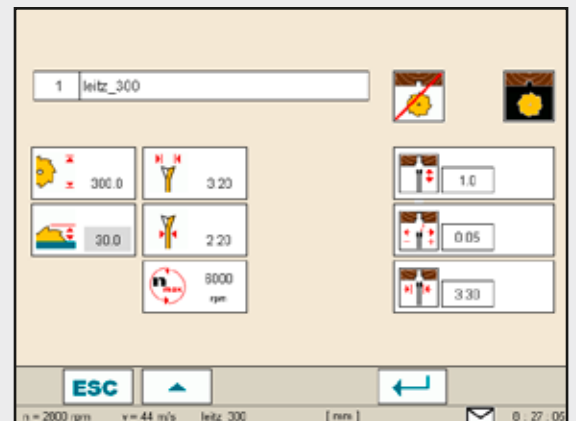
For the precision calculation of your cuts and quick tool change you can store up to 100 different saw blades in the tool menu. A saw blade that has been stored once is immediately available and fully integrated in the controller. This way the 3-axis scoring unit automatically adjusts to the kerf of the main saw blade. Time consuming test cuts can be omitted almost completely and you can concentrate on the task at hand.

Powerful assistance

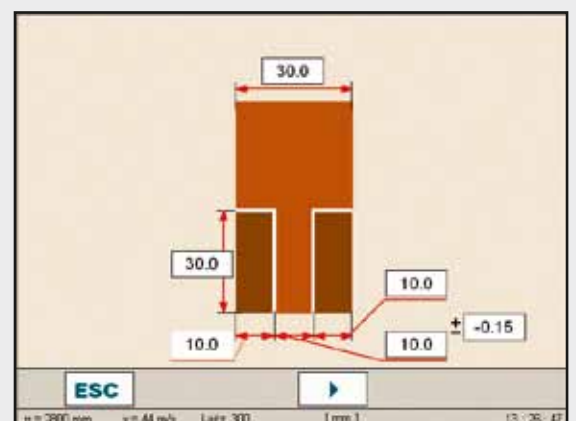
For performing special work on a sliding table saw like cutting grooves, rabbets and tongue-and groove joints, the MARTIN controller offers an efficient assistant. Step by step the operator enters all the necessary parameters and is guided through the work process by the controller. This way even untrained machine operators soon become experts.



Clearly arranged - the „Home“ page



Integrated tool conversion



Step by step cutting aid

Calculating for experts

The MARTIN controller also supports you when you have to calculate angle cuts, false mitre cuts or even specialized cuts for making European-style benches. With these intuitive calculation tools, even complex calculations can be made right the first time. You simply enter the measurements of the workpiece in the controller and it calculates the correct values for you.

Always up-to-date

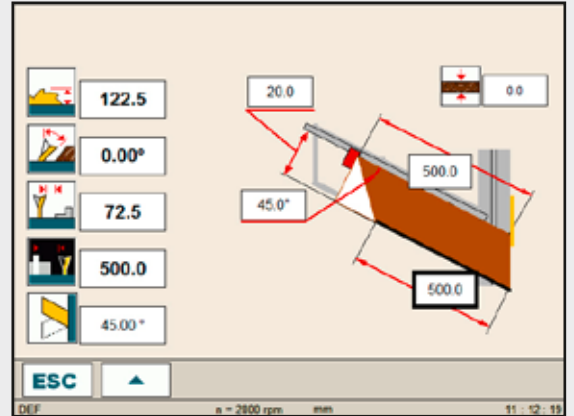
A MARTIN machine is a safe and long-term investment since its controller can be updated as time marches on. We at MARTIN are continuously improving our software. The controllers can be upgraded in field with an USB stick. This way you always have access to new cutting aids or updates of existing applications.

A profile for every individual user

Customization of the controller is possible for over 25 languages using Latin/Cyrillic character sets. By defining individual user profiles (up to 10 depending on the size of the controller) the controller can not only be adapted to different languages but also to the professional experience of the individual machine operators. Different user profiles can be password protected so each machine operator can get restricted or unrestricted access to the menu items. This password protection of the user profiles prevents misuse by untrained employees increasing job safety and leading to more accurate results.

Support from the office

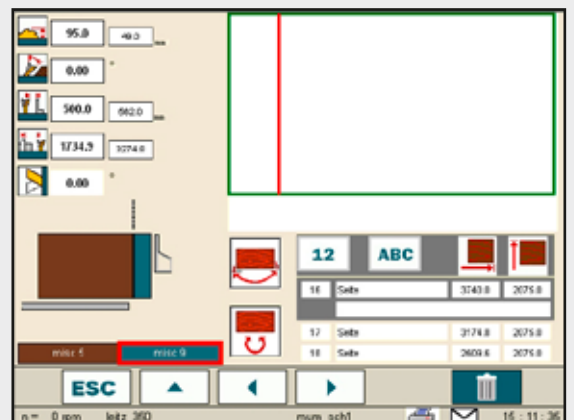
The machine can be connected to a computer by an optional data interface. This way the T75 PreX can be connected to the MARTIN editor or to other panel-cutting optimization software programs like ARDIS®, Boole&Partner®, Vlecad®, CAD-code® or PatternSystems®. With the optional CPOUT interface you can connect your machine to almost every software you like to use. This way the machine operator is guided through the work process very efficiently which leads to more accurate results and efficient use of the resources at hand.



Calculating quickly and easily



More security by individual user profiles



Panel optimisation - no problem

The T75 Classic: The classic for your workshop

The T75 PreX is a high-end sliding table saw that sets new standards for the wood-working industry. It is the first machine worldwide where a cutting height of more than 200 mm is combined with a tilting range of 2x 46°. Thanks to numerous innovative solutions, the operator has the freedom to execute each angular cut at the cross-cut fence and at the rip fence exactly the way it is best for the task at hand or the workpiece to be machined. Now it is simply up to the operator to decide how to machine a workpiece and not up to the machine.

Powerful cut up to 204 mm in height

A powerful 7.5 kW motor that can also be equipped with a variable speed control makes certain that the remarkable cutting height of this machine can be used efficiently. Refinements like increased motor horsepower of up to 11 kW (15 HP) and a cutting angle with an accuracy of 0.01 degrees are things that you can expect from MARTIN. The T75 offers a tilting range of 92°, thanks to the new dual sided driven trunnion system that can be quickly positioned.

Clear and comfortable operation

Designed into the premium class T75 PreX is MARTIN's user friendly and intuitive touch-

screen technology. Not only does MARTIN set industry standards with their mechanical engineering but also with their operating system. The adjustment of the machine by the operator is achieved with an intuitive dialog with the controller. From the saw blade to the rip fence to the 3-axis scoring saw, all axes are automatically adjusted.

The machine's software is constantly being improved upon. Offered updates are easily downloaded by the customer and uploaded to the machine. A MARTIN machine always offers the best resale value, because no one wants to be stuck with an outdated controller with outdated software.



204 mm Cutting height



Operation at a glance



Automatic lowering of the rip fence

T75 PreX

T75 PreX with accessories

- T7502** Motor power 7.5 kW (10 HP) variable rotational speed control
- T7509/2** Cutting width 1100 mm
- T7510** 10.4" (264 mm) touch screen control
- T7535** Mitre cross cut table
- T7550** „RadioCompens“ mitre cut system, 2-point fence
- T7513** Additional saw blade guard 60 mm
- T7511** Motorized positioning of rip fence
- T7523** 3-axes scoring saw unit
- T7567** Front support table
- T7574** Pneumatic lowering of rip fence below table level

Safety and Comfort

A special design feature of the T75 PreX is the outstanding function of the blade guard. The guard is designed to function with a saw blade height of 1 mm to 204 mm and with a tilting range of 92°, without being a constant nuisance to the operator. Through the combination of various wide and narrow blade guards, the operator can customize the guards and fit them to the blade's angle, thereby increasing dust collection efficiency. The guards are symmetrical and can simply be turned around, further reducing set-up times. Both sides of the blade guard can even be equipped with sensors so the controller can monitor the allowed cutting angle

and saw blade protrusion which creates the perfect zone of protection for the operator.

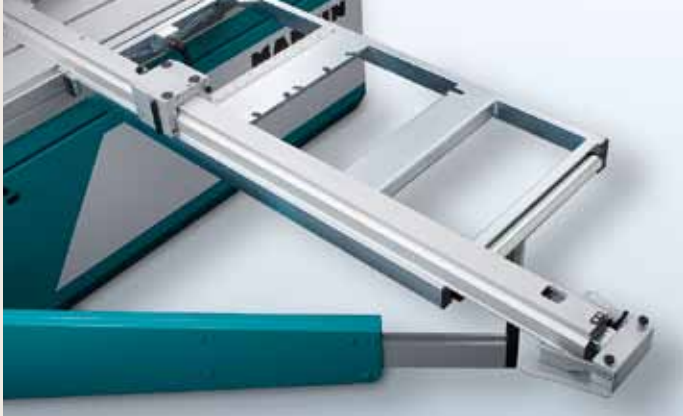
Flexibility at the highest level

With the decision to purchase a T75 PreX, you are deciding on a reliable, premium class machine that ideally fits the versatile requirements of your daily work. Whether you cut square panel products, saw complex angular cuts in solid wood or process glued up stock, thanks to the T75 PreX's strong flexibility you can achieve perfect results. With a tilting range of 92° and a blade height of 204 mm, you have new possibilities to revolutionize your work. Now you can decide how best to process your workpiece, not the machine.

Motor power:	7.5 kW (10 HP)
Saw-blade tilting:	-46° to +46°
Cutting height:	max. 204 mm (8")
Saw-blade diameter:	250 – 550 mm (10" - 21,6")
Rotational speed:	3800 rpm
Standard Cutting width:	850 mm (33-1/2")
Standard Sliding-table length:	3000 mm (9' 8")
Weight:	1600 - 2100 kg (3,500 - 4629 lbs.)



Accessories



The T75's standard cross-cut table

Standard cross-cut table

The light and sturdy MARTIN cross-cut table is a standard component of all T75 PreX saws. It can be easily clamped with one hand to any point along the whole length of the sliding table. The outboard table support roller simplifies the moving of larger workpieces and prevents damage to delicate panel surfaces. The cross-cut fence can be positioned in either the forward or rear position on the cross-cut table, enabling the stops to be positioned quickly for the task at hand. The large angle scale integrated into the table



Standard fixed angular detents

allows accurate angled cuts to be made between 0° and 50° by a simple adjustment of the cross-cut fence. The fixed angle detents integrated into the table facilitate the rapid cutting of common angles ($22.5^\circ/30^\circ/45^\circ$). The exact compensated calculation of the miter cut is performed by the controller. By entering the workpiece width and angle, and the desired length into the controller, the operator is prompted to make the adjustment to the stop.



Standard analog 2-point cross-cut fence

Analog and digital 2-point cross-cut fences

All T75 PreX machines are equipped with the proven MARTIN 2-point cross-cut fence as standard, which allows both solid wood or man made panels to be aligned at two points along the fence extrusion. This system enables panels with even slightly concave edges, caused by internal tension, to be cut accurately. The magnifying glass, an easy-to-read scale and standard fine adjustment of the 2-point stop element ensure accurate cuts from 255 to 2025 mm. The 2-point stop's clamping element design allows the ope-



T7540 digital 2-point cross-cut fence

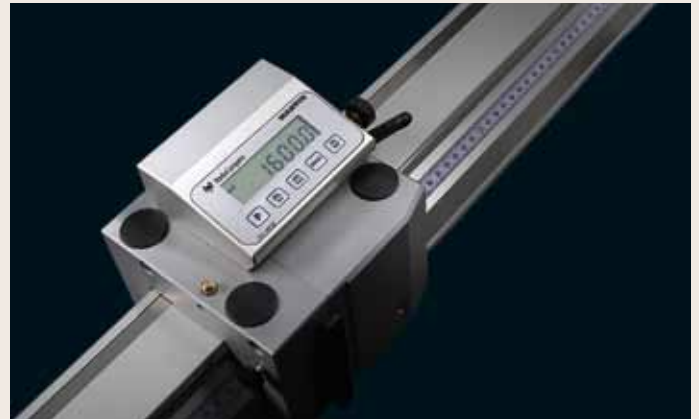
erator to rapidly make adjustments with little effort. Lengths up to 3365 mm can be cut using the extendable outboard stop. If you prefer working with digital readouts, the T7540 digital cross-cut fence may be the right choice for you. Both the inner and outer stop use separate measuring devices and can be set independently from each other with an accuracy of a tenth of a millimeter. Read-outs can be switched to a relative measurement mode, which is especially helpful when making incremental cuts.



T7535 Miter cross-cut table

Miter cross-cut table

With the digital angle display integrated in the table, mitre cuts can be set easily and accurately. The table offers full support of the workpiece at every angle. The table and fence move with the MARTIN parallelogram table design, not just the fence. The table is unlocked by actuating a handle under the table allowing it to be adjusted within a range of $\pm 46.50^\circ$ via an LCD display. Other important features are the table's beefy 0° lock and the angular fine adjustments allowing the operator to make changes in $1/100^\circ$



T7550 „Radio-Compens“ angle cutting system

increments. The innovative MARTIN „Radio-Compens“ angle cutting system in conjunction with the miter cross-cut table and motorized crosscut stop creates a whole new vision of productivity for tomorrow's woodworkers and cabinetmakers. Set-up times for angled cuts can be reduced by more than 80%. You simply set the miter cross-cut table, which is connected to the controller via a bus line, to the desired cutting angle. The radio-controlled electronics take care of the rest.



T7537 Analog continuous contact cross-cut fence

Analog and digital continuous contact cross-cut fences

The MARTIN 2-point cross cut fence system offers many unique and superior operating characteristics to the custom woodworker. Alas, at first not everyone feels comfortable with this system. For those who prefer the more traditional flip stop, the T75 PreX can be equipped with a continuous contact cross-cut fence. This system is useful, especially if you work a lot with thin, flexible material. The straightened material is aligned seamlessly along the fence making for a precise cut every time. The stop element closest to the blade can be adjusted accurately with the fine adjustment in



T7541 Digital continuous contact cross-cut fence

relation to the scale and magnifying glass. The stop element's quick clamp facilitates a rapid stop adjustment from 280 to 2045 mm. Lengths of up to 3320 mm can be cut using the outboard extendable stop. The digital variant of the fence provides maximum accuracy. Two easy-to-read LCD displays operate independently from each other and the measurements are displayed with an accuracy of 0.1 mm. Read-outs can be switched to a relative measurement mode, which is helpful to the operator when making incremental cuts.

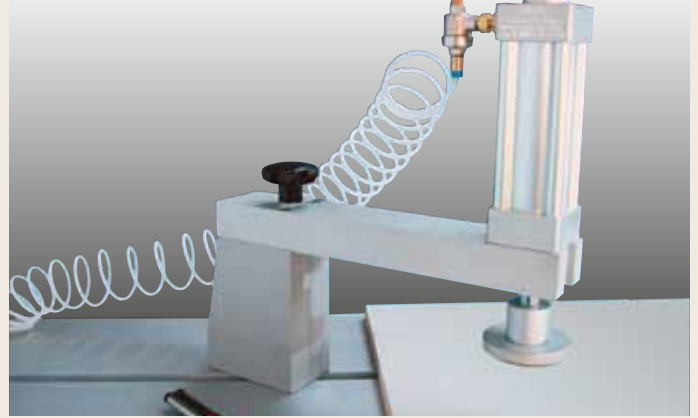
Accessories



T7558 Multi-purpose table

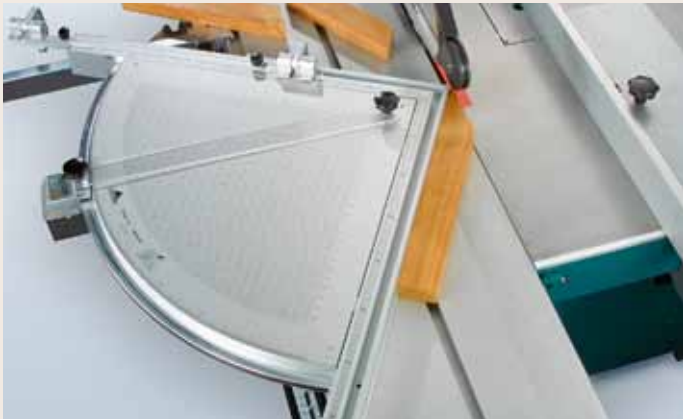
Multi-purpose table

The multi-purpose table is ideal for customers who do primarily the parallel cutting of large panels as well as smaller strips. A hand wheel allows the operator to move two stops at the same time and parallel to one other. The workpiece is positioned precisely against the stops and is then introduced into the saw cut. The multi-purpose table ensures that damage to delicate decorative edges and the marring of the panel's surface is virtually eliminated. Panels up to 2100 mm in width can be easily and accurately processed



Digital display of the cutting width

simply raising or lowering the stops. If the stops are lowered completely below table level, it enables you to move very large panels unobstructed on the table. The LCD display for the cutting width also enables the incremental movement of the stops. Even cuts to the right of the saw blade are precise, since the thickness of the saw-blade is always referenced by the controller. The beefy floor mounted track system makes the multi-purpose table ideal for even the heaviest of workpieces.



T7590/5 Acrylic Polishing Device

Accessory to finish polish the edges of Polymethacrylate (Acrylic)

Woodworkers that process plastics as well as wood will be the ones that will benefit the most from the combination of a sliding table saw and a polishing machine. The advantage of this MARTIN option over stand-alone polishing machines in this price range is the gentle and firm clamping and exact guidance of the workpiece. Even edges of up to a length of 3000 mm can be polished safely and cleanly with the required accuracy in only one run. The machine is equipped with a powered sliding table that allows the operator to dial in a feed speed for perfect results. The machine includes a newly designed pressure bar that is divided up into several clamping



Polishing edges of up to a length of 3,000 mm

areas which can be used independently. The clamp ensures gentle and firm clamping of workpieces both big and small. The special rip fence that is included in the package makes it easier to position the workpieces that have to be polished. Even whole stacks of acrylic panels can be positioned for polishing without difficulty at the 2 m guide. Acrylic panels as well as whole stacks of the material with an edge length of up to 3000 mm and a thickness of up to 100 mm can be processed effortlessly with this innovative patent pending solution in your own workshop.



T7523 Electrically adjustable 3-axis scoring saw unit

Electrically adjustable 3-axis scoring saw unit

The patent pending 3-axis scoring saw unit is fully integrated in the controller and facilitates the input of all necessary settings. The 3-axis scoring height, relation to main blade and kerf width are positioned automatically. Thanks to a quick clamping system the scoring unit can be completely removed or changed within seconds. Time consuming procedures are avoided almost completely.



T7577 On/Off switch for main saw and scoring saw unit

On/Off switch for main saw and scoring saw unit

With this accessory you can start the machine from any position along the sliding table. It can be positioned without having to use a tool and offers a high degree of flexibility to the operator. Big panels can be positioned and then the machine can be started easily from the operating position.



T7571 motorized sliding-table

Motorized sliding-table

The motorized sliding-table offers the woodworker precision cuts through its even feed motion. The controlled feeding of the workpiece also provides the optimum mix of feed rate and cut quality. Man-made materials such as plastics or non-ferrous metal sheets can be safely cut with the motorized sliding-table. The T7570 pneumatic pressure bar is an ideal addition to the motorized sliding-table system, providing positive clamping of the



Focus on the control element

workpiece through the controlled cut. The table's feed rate can be infinitely adjusted from 0 to 25 m/min via a speed potentiometer. The table can also be switched on and off in seconds via the selector switch. When the system is switched off the drive is shut down immediately. Since the drive's control unit is located on the side of the machine, this enables the operator to use practically the full length of the sliding table at all times.

Accessories



T7570/3-b Pneumatic pressure bar

Pneumatic pressure bar

MARTIN now offers a technically improved pressure bar for your sliding table as a further innovation to upgrade your sliding table saw. Cutting thin boards, plastic laminate or veneer is no problem at all anymore. A clamping height of 100 mm and a clamping pressure of 800 N (psi) make it possible to process large workpieces safely and accurately. The pressure bar can also be used in combination with the existing cross-cut fence on your saw



Clamping elements offer greater flexibility

to position a workpiece accurately. The fence can be positioned in the front, rear or between the individual clamping elements. Angular cuts are also possible. You simply lift the clamping elements you do not need (optional). For quick and intuitive handling the pressure bar is equipped with an end-to-end tool bar. This way you can operate from every position at the sliding table.



T7565 Roller support for standard cross table

Roller Support

To make use of the full movement range of a sliding table of over 3.7 m or to handle very heavy material, MARTIN recommends using the roller support. The support runs on a floor mounted track with integrated wipers to keep the track clear. The roller support is a standard feature of the T7558 multi-purpose table.



T7568 Second support with T7555 parallel cutting stop

Second support and parallel cutting stop

The second support assists the operator in the truest sense of the word. Simply attach it to the sliding table for easy handling of large panels. The workpieces are safely supported by the 600 mm long support and can be indexed against the optional parallel cutting stop, when ripping long material with the sliding table.

T7573 Laser light for indication of cutting line

Laser light for indication of cutting line

The laser beam indicates the exact cutting line, which is particularly useful for trimming and straight-lining solid wood. The cutting of workpieces according to layout lines is a typical application for this device.



T7572 Edging device

Edging device

The cutting of overhang on veneered or laminated panels is just one of the many applications for the edging device. Simply attach this device to the rip fence. This device can also be used for straight lining solid stock as a substitute for a laser.



T7567 Front support table

Front support table

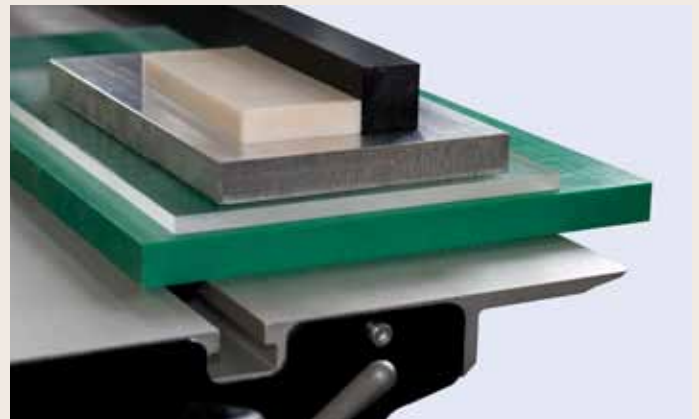
Long, narrow workpieces can be cut more efficiently by using a suitable support table. The foldable front support table helps to guide the workpiece safely along the rip fence.



T7533 DGA 900 Top Digital Double miter fence

Double miter fence

Thanks to the easily understandable adjustments of the DGA 900 Top, workpieces of different widths can be joined quickly and easily. Mitered glazing beads for intricate angled windows and arches can be cut using the DGA 900 Top with perfect results.



T7539 Additional stop element for the T7540 cross-cut fence

Additional stop element

All cross-cut fences with 2-point alignment and those with continuous contact can be equipped with an additional stop element. This aids the operator, because this enables two different measurements to be cut without changing the setting.

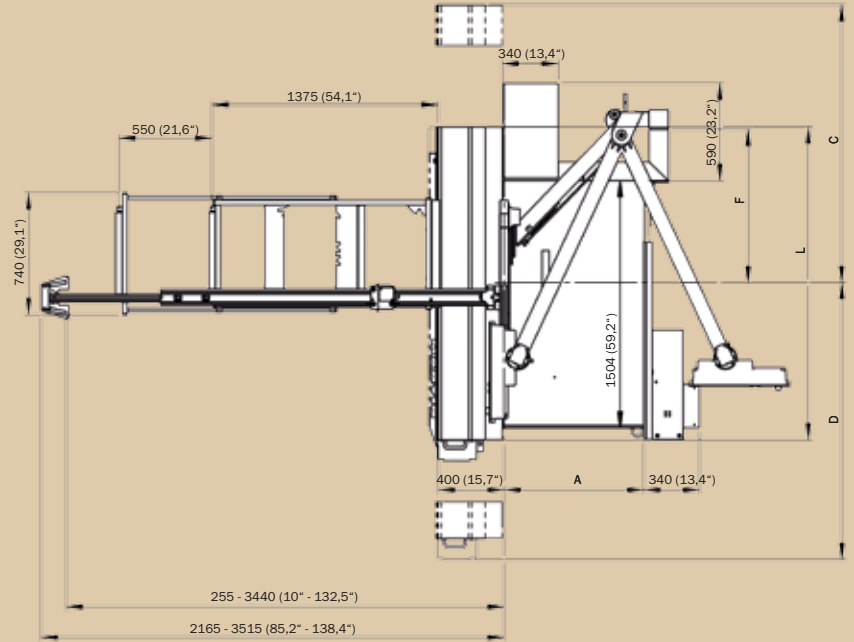
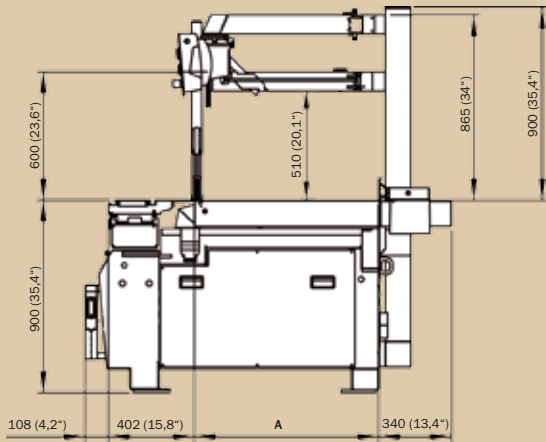
T7580 Spraying device for the main saw blade

Spraying device

With the spraying device, even plastic or non-ferrous metals can be cut easily. The spraying heads spray both sides of the saw blade with a coolant or lubricant. The lubricant container and the pneumatic unit are mounted in an easily accessible area for the operator.

Technical specifications

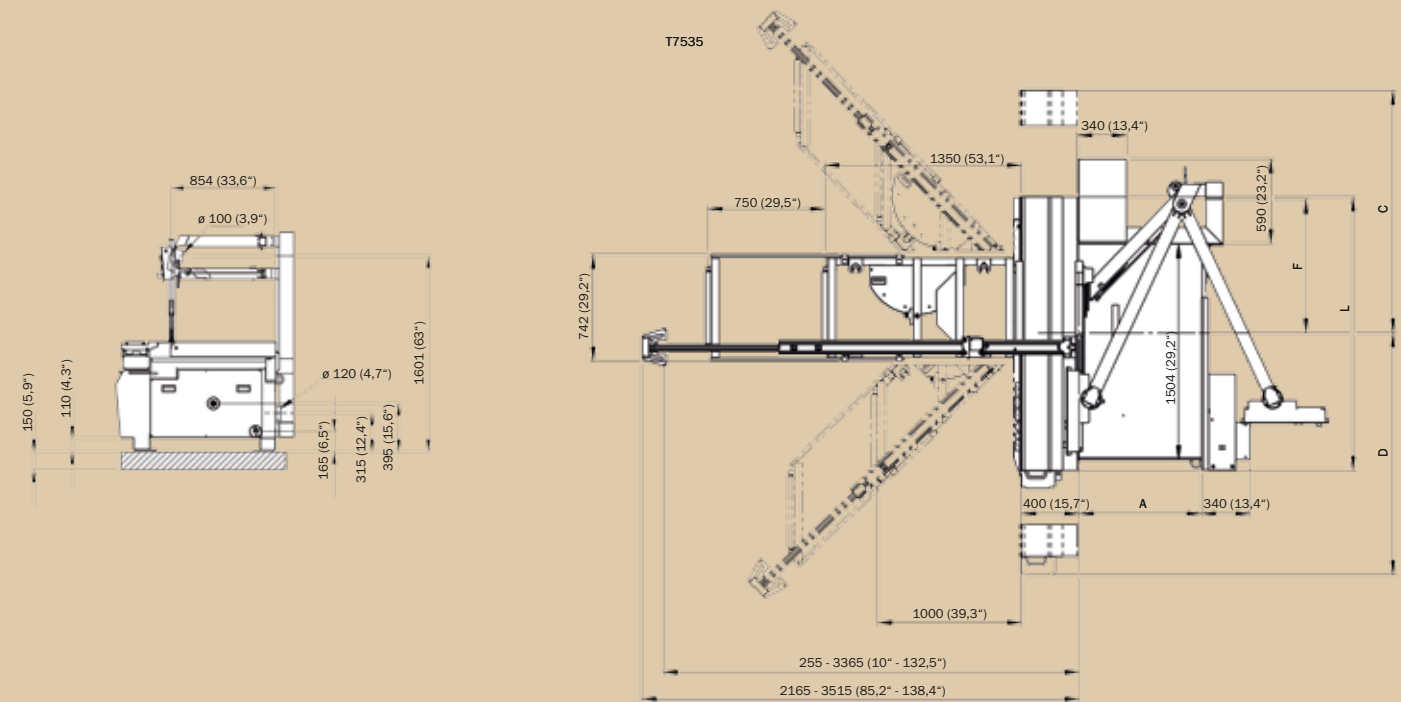
T75 PreX



Technical specifications

Motor power	7.5 kW (7.5 HP)
Optional	9.5 kW / 11 kW (12 HP / 15 HP)
Cutting height	max. 204 mm (8") / saw blade Ø 550 mm / 0°
Saw-blade tilting	+46° to -46°
Saw-blade diameter	250 - 550 mm (10" - 21.6")
Rotational speed	3.800 rpm
Optional	Infinitely variable from 2.000 to 6.000 rpm
Main saw blade change	ProLock
Blade thickness	max. 6 mm (15/64")
Cutting width	850 mm (33-1/2")
Optional	1100 / 1350 / 1600 mm (43.3" / 49.2" / 63")
Cross-cut fence length	255 - 3365 mm (10" - 132,5")
Standard Sliding-table length	3.0 m (9' 8")
Optional	1.9 / 3.3 / 3.7 / 4.3 / 5.1 m (6' 3", 10' 10", 12' 7", 14' 2", 16' 7")
Controller	PowerPC
Control panel	Touch screen, colour; TFT 5.7" (145 mm)
optional	Touch screen, colour; TFT 10.4" (264 mm)
Cutting angle / height / width	controlled
Cutting width	according to scale, optional digital display or controlled

T75 PreX



Technical specifications

Display resolution	0,1 mm and 0,01°
Dust port - machine frame	Ø 120 mm (4-3/4")
Dust port - blade guard	Ø 100 mm (4")
Weight	approx. 1,600 - 2,100 kg

A = cutting width [mm]	F = passage width [mm]	Sliding-table length L [mm]	Format cut [mm]
850 (33-1/2")	930 (36,6")	1900 (6' 3")	1900 x 1900 (6' 3" x 6' 3")
1100 (43-1/4")	930 (36,6")	3000 (9' 8")	3000 x 3000 (9' 8" x 9' 8")
1350 (53")	930 (36,6")	3300 (10' 10")	3300 x 3300 (10' 10" x 10' 10")
1600 (63")	930 (36,6")	3700 (12' 7")	3310 x 3700 (10' 9" x 12' 7")
		4300 (14' 1")	3310 x 3700 (10' 9" x 12' 7")

Movement range C [mm]	Movement range D [mm]
2500 (9' 2")	2400 (7' 10")
3600 (11' 9")	3500 (11' 5")
3900 (12' 11")	3800 (12' 5")
4300 (14' 1")	4200 (13' 9")
4900 (16' 1")	4800 (15' 7")

Dimensions and technical data are subject to technical innovation and may be changed without notice. Illustrations can deviate from the original.

Low dust emission according to BGI 739, appendix 4. Please refer to the latest price list for current details about the machine specifications and equipment. All dimensions are in millimeters / inches. Manufactured in Germany



MARTIN

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