

MARTIN MACHINERY SETTING STANDARDS AT SMALLBONE

SMALLBONE of Devizes is a leading interior designer specialising in hand-crafted custom-made kitchens and other domestic furniture.

It is a global purveyor of bespoke fitted cabinetry from the rich tradition of British craftsmanship. For decades now its craftsmen have devolved a deeply diverse portfolio of immaculately executed individually designed custom-made furniture – with a special emphasis on the kitchen.

The company brands itself as “A 21st century leader in hand-made British furniture design, keeping its artisanal roots in plain sight”.

Deeply rooted in the craft, Smallbone’s joiners execute a great deal of their work by hand, turning out precision-made designs that, subsequently, migrate around the world.

Smallbone kitchens find their way into the finest properties around the world, They are all produced in the company’s workshop in Devizes.

Smallbone is synonymous with meticulous and very

Martin’s T70 sliding table saw boasts maximum performance combined with a sturdy mechanical design.



personal service. Each commission represents a close collaboration between designer and client. Each project is allocated its own dedicated design and installation team – from initial concept through to the finished work.

“Smallbone interior spaces have increased the value of some of the world’s most desirable addresses” is the proud boast of the Wiltshire-based company.

Smallbone’s workshop in Devizes has one of the most experienced research teams in the world whose job is not only to create bespoke designs with the finest artisanal values, but also to source the tools and equipment with which to equip those workshops.

Seeking out the “best of the best”, it is no surprise that the company has repeatedly turned to German machinery manufacturer, Martin for the purchase of equipment, including a sliding table saw, a planer/thicknesser and a surface planer.

Martin’s T70 sliding table saw is a classic machine, which has set standards and boasts maximum performance combined with a sturdy mechanical design.

Martin invented the mitre cross-cut table over 50 years ago to be able to produce precise angle cuts on larger panels. Since then, this popular accessory has been subject to continuous improvement.

Whereas back in the late 1950s all that was required to set mitre cuts was a simple scale, nowadays, the latest table includes a modern digital angle display and fine angle adjustment.

The fence can be tilted to either side to any angle up to 47 deg and the angle is displayed with a resolution of 0.01 deg.

A strong central lock ensures reliable repeatability of the correct angle.

It is therefore not without good reason that customers, such as Smallbone opt for the sturdiness, functionality and precision of this

Martin’s T54 surface planer features an easy-running guided surfacing fence with an integrated auxiliary fence, which enables quick and precise operation.



important and impressive invention.

The innovative “RadioCompens” mitre cut system provides fully automatic length compensation for mitre cuts by means of a wireless connection between the mitre cross-cut table, controller and digital display of the cross-cut fence.

Thanks to this wireless-supported communication of the cross-cut table, controller and stop elements, time consuming set-up times for mitre cuts can be reduced by up to 80 per cent.

The operator simply sets the table to the desired angle and the electronic cutting length displays on the cross-cut fence immediately show the correct length dimension.

Compared with other systems on the market, “RadioCompens” compensates for a variety of saw blade thicknesses automatically.

As a result, the operator can additionally produce a precision cut, with an accuracy of a tenth of a millimetre on the left-hand side of the saw blade – irrespective of the type of saw blade being used.

For those who prefer to work with digitally exact dimensions, the digital cross-cut fence is the right option, as the inner and outer stops work with separate measuring devices and can therefore be set independently with the accuracy of a tenth of a millimetre.

Each display can be changed over to display relative dimensions in order to execute incremental cuts in the fastest possible time. As is the case with the analogue version, the digital version is also available as a flip stop with full-length support.

The “Control” mitre cut system for the Martin T70 model includes a package, which combines the controlled cross-cut fence with the mitre cross-cut table.

Apart from the cutting height, angle and width, the cutting length and the table angle are also completely integrated in the controller by this means.

The operator simply specifies the requisite length and width dimensions and the controller positions the saw blade and fences. The length compensation required for angle cuts is completely automated.

The mitre cross-cut table is connected to the controller by wireless means and it supplies the angle data directly to the controller.

The length compensation is provided dynamically for cutting lengths up to 3,300mm, whilst the operator adjusts the table. In this way the Martin T70 becomes a real angle-cutting centre.

The T45 planer/thicknesser which features in Smallbone’s workshop helps to ensure that smooth results are achieved every time.

It provides the company with perfect planing results and it is impressively silent in operation. Ideally suited for modern production methods, it supplies cleanly planed wooden surfaces. It is quick and easy to operate and for

those companies which are on a limited budget, it offers excellent value for money.

Irrespective of whether short or long workpieces are being planed, the sturdy thickening table extension usually dispenses with the need for a second person located behind the machine.

Short workpieces do not fall on to the floor and longer ones are supported at the out-feed side. The table extension always moves synchronously with the thickening table and this accessory can be retro-fitted without any problems.

It is possible to choose between the long 1,200mm version, or the short, foldable 450mm version. The latter can also be mounted on the infeed side.

The workpiece transportation of problematical materials and short workpieces can be improved by means of a second rubber outfeed roller – especially if no lubricant can be used. The second outfeed roller is also available as a steel roller.

The operator can switch between the standard feed speeds of 6m/min and 12m/min during the planing operation.

Another distinct advantage is that the feed speed can be adjusted by means of the optional, infinitely variable feed control. This option allows variable feed speeds between 2m/min and 25m/min – depending on the individual design.

Another option which Smallbone decided upon was the purchase of a Martin T54 surface planer, which was reckoned to be a perfect fit for the company’s workshop.

This machine was initially developed primarily to accomplish two separate tasks – firstly to dress workpieces perfectly and, secondly, to provide these workpieces with superlative angular edges quickly and safely.

As the production staff at Smallbone know only too

Martin’s T45 planer/thicknesser is impressively silent in operation.



well, you only arrive at the perfect end result with perfect preparation

Martin’s T54 surface planer features an easy-running guided surfacing fence with an integrated auxiliary fence, which enables quick and precise operation.

The ball-bearing guided jointing fence runs smoothly and without tilting on tempered raceways and, in many years to come, it will work as precisely as it does on the very first day following its acquisition.

Chamfers can be planed in no time at all, owing to the fact that any angle between 90 deg and 45 deg can be set quickly by means of the user-friendly single-handed operation.

Smallbone has come to depend on its Martin machinery in much the same way as it depends on the skills of the dedicated team of production staff in its workshop. It’s a winning combination.

For further information tel Martin on 00 49 833 29110. Visit www.martin.info
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