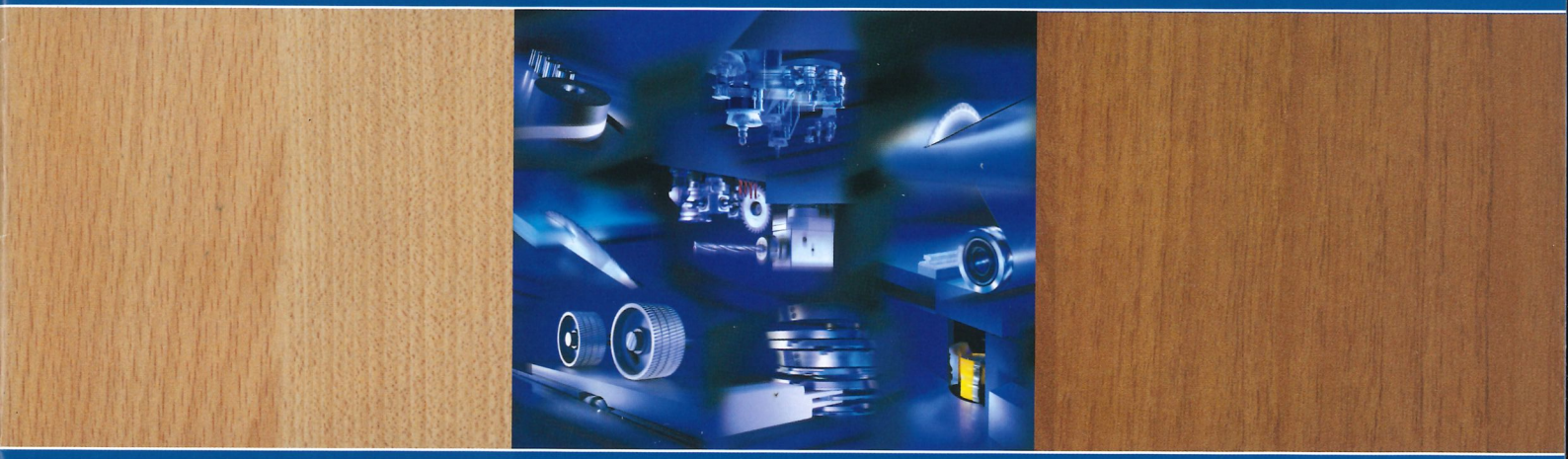
Scm Group UK introduces the Scm and Minimax wide range of woodworking and panel machinery



scm group UK

The widest range of woodworking machinery

Cnc machining centres

Record 110 S
CNC machining centre for small and medium-sized industries

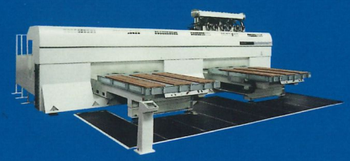
Record 125 N
CNC machining centre for medium-sized industries

Record 132
CNC machining centre for medium-sized industries or for customized production

Record 132 TV
CNC modular machining centre with TV worktable for stair, window and door components

Record 240 TV Prisma
CNC machining centre with 5 axis routing head for high flexibility and TV worktable

Ergon L TOP
Fixed-gantry CNC roouting centre for heavy duty operations especially kitchen/bedroom doors



Ergon TV
Fixed-gantry CNC roouting centre with modular composition

Your contact is
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mking@scmgroup.com

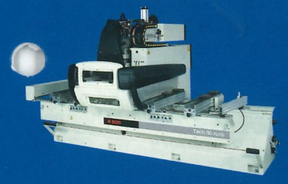
Panel processing machines

K208
Hot melt edgebander for solids up to 10mm tape and 3mm PVC with corner rounding

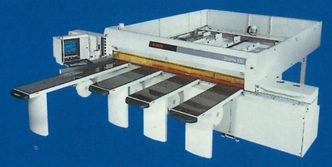
Olimpic S215
Hot melt edgebander, for solids up to 15mm tape and 3mm PVC with corner rounding

Pratix 48 NST
For the nesting of components from sheet materials

Tech 80 plus
CNC boring and routing centres with alternated work process, several automatic tool changers and up to 11 tools available on the machine



Sigma 105 C
"C" version with clamps, air flotation tables, pc/plc control 105 mm blade protection



Sandya 7 S
Automatic calibrating and finish sanding machine

Sandya 15 S
Automatic calibrating and finish sanding machine

Your contact is
MIKE KING
mking@scmgroup.com

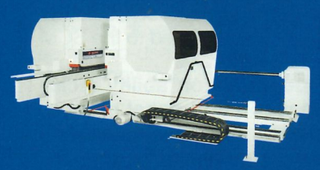
Solidwood processing machines

Sintex XL
Automatic straightening multiplaner. Max. size 180x105mm

Compact XL
Automatic throughfeed planer moulder for small and medium-sized companies

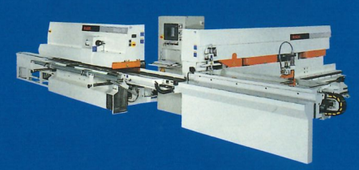
Superset Class
Automatic throughfeed planer/moulder with a configuration to meet all requirements

Concept 2000
Automatic double end tenoner



Windor 10
CNC window machining centre for small/medium sized joinery companies

Windor 60
Integrated CNC window machining centre



Your contacts are
COLIN SIMMONS
and **MARK SMITH**
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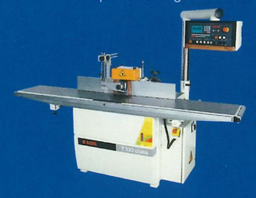
msmith@scmgroup.com

Classical machines

T110i
Tilting spindle moulder

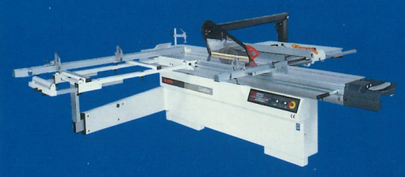
T130 Class
Spindle moulder with rapid toolchange



SI300s
Sliding table panel saw with scorer 1,5m capacity

SI300n
Sliding table panel saw with scorer 3,2m capacity

SI450e
Circular saws with automatic blade lifting and tilting



Startech 23
Automatic single head boring machine with 23 spindles

Sandya 3
Wide belt sander 950mm wide single and double head

Sandya 5
Wide belt sander 1100mm wide single and double head

Your contact is
BRIAN STACEY
bstacey@scmgroup.com

Semi-professional machinery

SC2
Sliding table panel saw with scorer

S315W
Sliding table panel saw with scorer and 3.2m capacity

T50
Spindle moulder

CU300 Smart
Universal woodworker 300mm wide

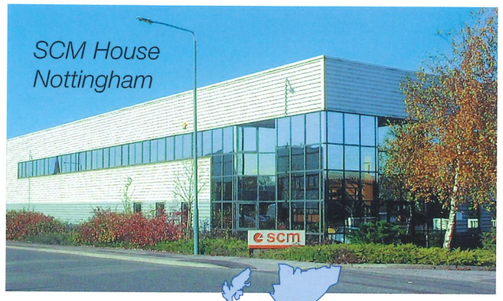
S45
Bandsaw

FS35 Smart
Planer/thicknesser 350mm wide

T124
Lathe with copying device 1200mm capacity

Your contact is
BRIAN STACEY
bstacey@scmgroup.com

Scm Group UK



SCM Group, the world's leading designer, manufacturer and supplier of woodworking and panel processing equipment has been **operating on the UK market for over 30 years**.
A dedicated branch in the heart of the United Kingdom – Notthingham – signifies a direct partnership with all our customers, to offer highly qualified service, before during and after the sale: we **supply and install equipment** that supports our customers' precise application, we offer **comprehensive demonstrations on the machinery**, we provide **training programs** at our branches and at the Group's training school in Italy, we **replace spare-parts** when you need them and guarantee **ongoing service** to maintain our customers' operation efficiency.
The modern headquarters of SCM Group UK provide over 4,950 sq. metres of floorspace with **dedicated departments** for every aspect of customer sales, service and support, directly linked to the SCM Group manufacturing facilities in Italy.
SCM Group's multi-specialisation ability includes the areas of solid wood and panel processing technology, offering equipment ranging from single, standalone machines to completely automated CNC integrated systems:
SCM the widest range of woodworking machinery, ROUTECH cnc routers and machining centres and MINIMAX workshop woodworking machinery, MORBIDELLI CNC machining centres and boring machines, DMC calibrating-sanding machines, GABBIANI MACCHINE panel sizing machines, IDM and STEFANI squaring and edgebanding systems and MAHROS handling equipment.

Dependable after sale service and technical experts

SCM GROUP is committed to protecting the customer's investment in SCM machinery. Our multi-level service organisation is comprised of a **centralised Technical Assistance Centre based in Nottingham**. Six specialised technicians qualified in all aspects of SCM GROUP machines provide expert advice and assistance, **together with a large staff of over 25 factory trained engineers strategically located around the UK and Ireland** to provide instant response to a **variety of needs including installations, training, preventative maintenance and emergency visits**.

Spare parts directly from the producer

SCM GROUP spare parts division has invested heavily in a huge inventory of the most requested parts, supplied directly from the factory that manufactures the machinery. A sophisticated **computerised system of parts retrieval linked to all SCM GROUP factories** and subsidiaries around the world enables fast order fulfilment, in most cases the **part being shipped the same day it is ordered**. A knowledgeable staff of highly trained parts professionals are ready to serve the customer's questions and orders, backed by a warehouse **counting over 60,000 spare parts with a value of £ 0,5 million**.

Advanced software

SCM GROUP works with the industry's leading software developers to offer the most advanced and easiest-to-use computer controls for our advanced technology machinery.

Financial advice

SCM GROUP has access to **specialist Finance organisations offering the very best advice** to suit individual requirements and providing competitive rates on Leasing, Hire Purchase, etc. Confidential advice is given after detailed discussions, giving the end user the very best deal to purchase the long-term investment in SCM GROUP machines.

Extensive showroom

SCM GROUP's 4,950 sq.metres facility in Nottingham, includes a recently expanded **dedicated showroom laid out to** maximise the customer's product awareness. The machines are on permanent show for demonstration purposes, where potential customers can view the equipment before they make a purchase commitment. **The showroom contains some of the most sophisticated CNC technology in the woodworking and panel processing industry**.

Customised training programs

SCM Group offers a variety of training programs that are designed to fit the **needs of the customers assuring that their employees are thoroughly prepared to get the most out of the installed machinery**. Not only does SCM Group provide superior operational and **maintenance training for its customers, but its nation-wide network of dealers and technical support personnel also receive specialised training**.

Industry support

As well as supplying all sectors of the woodworking and panel processing industry with the very best machines available in the market today, **SCM GROUP supply the UK's and Ireland colleges with classical and CNCmachines for training future industry operatives**.

Jameson Joinery's SCM Superset XL

Eighteen years ago Robert Jameson bought an old farmhouse with a view to completely renovating it. As the work progressed he found it very difficult to find a local joinery company that could make the replica replacement oak doors, windows and other joinery which the property required to restore it to its original character.
Frustrated by the lack of available skills and falling back on his agricultural engineering degree Robert decided to make it all himself and acquired a universal woodworking machine with which to do the work.
After having enjoyed the challenge of making the joinery for his farmhouse he decided he would supplement his agricultural business by supplying a local need for high quality bespoke joinery, particularly for the specialist refurbishment market where nails and screws cannot be used in timber frame construction.

Robert invested in some traditional joinery machines and Jameson Joinery based in Billingshurst Sussex was born.

The fledgling business took off as Jameson's reputation grew for successfully tackling difficult projects, but Robert soon found out that working in Oak most of the time is a true test of a machines build quality and durability and his early light weight machines had to be replaced by traditional heavy duty ones in order to give the stability and accuracy Jameson's work required.

As the diversity of work increased so did the demand to provide ancillary items to go with the joinery such as period hardware such as hinges, fittings and original imperial bolts and fastenings. Once again because these items were so hard to source Robert decided to make them himself and added a small engineering and smithy shop to the joinery business.

As the volume of joinery products increased the demand to plane and straighten the raw timber began to cause a bottleneck on the traditional surfacing and thicknessing machines.
The larger contracts tied the spindle moulder up for long periods on strip moulding work such as covings, skirting, glazing beads and the like. The next Logical step to take was to consider a four sided planer moulder which could drastically cut the time taken to prepare timber on the traditional machines. Whilst planing it is also possible to mould and therefore cut out the spindle moulder operation on strip milling work. Robert used his experience with the traditional machines he owned and bought a 'brand name' re-furbished six head through feed planer moulder.

Over the next 4 or 5 years the moulder cured the bottleneck at the surface/thicknesser, but it never really delivered the quality and accuracy that Robert desired, and as such never fully replaced the traditional machines when very high quality components were required to be produced. Also the long re-setting time taken and specialist skills required when changing from planing to moulding or moulding to moulding sections made it too time consuming for small batch runs. However, Jameson Joinery were still growing, supplying timber framed buildings, stairs, windows, doors, conservatories, gates and even furniture putting even more pressure on the machine shop to deliver components as efficiently as possible.

This time Robert was determined to find a planer moulder which would be robust of build to cope with the large oak hardwood sections being run, facilitate short change-over times between products without the need for specialist skills or expensive CNC technology, provide the accuracy desired, and meet all of the current and future safety requirements.

After some research and a demonstration at SCM's showroom in Nottingham, **Robert settled on SCM's Superset XL five head planer-moulder. He was impressed with the heavy build of the machine with a massive one piece steel base, large spindle units for longevity and provide a super fine finish, individual large horse power motors for maximum power delivery during heavy cuts, and two vertical supports to the feed beam to guarantee rigidity and reliability of the feed system even when machining large out of shape hardwood sections. Jameson regularly run up to 9" wide 30mm deep moulded coving sections, " the finish is superb" says Robert "far better than we achieved on the old machine, and very accurate too, we've measured sections to within100ths of a millimetre! As well as large sections we also have no problem in running our 15x12mm glazing bead from off cuts".**

The feature that clinched Robert's decision to buy the Superset was the unique and patented 'Set-Up' system. As Robert says "when changing from one tool section to another, by making a simple measure of the minimum tool diameter using the digital measuring stand supplied with the machine, then winding the top spindle to the new measure, the feed rollers, chip breaker and pad pressure are simultaneously adjusted, this saves us at least four fiddly adjustments we had to do on the old machine and now takes only minutes from start to the 1st piece out which is always correct".
"The other benefit is that it is so simple, the operators do not have to worry about making many adjustments to achieve the tool change, and are now confident to do so at will, thereby maximising the use of the machine".

Robert added to the specification, **SCM's simple microprocessor control to rapidly change the working section size of the machine**, commenting "because of the special nature of our work we run lots of one off PAR sections, the microprocessor not only stores all of our standard PAR section sizes but the operator can punch in a special size and the machine will automatically move its L/H vertical, top spindle and feed works to be ready to produce the new section in seconds!"

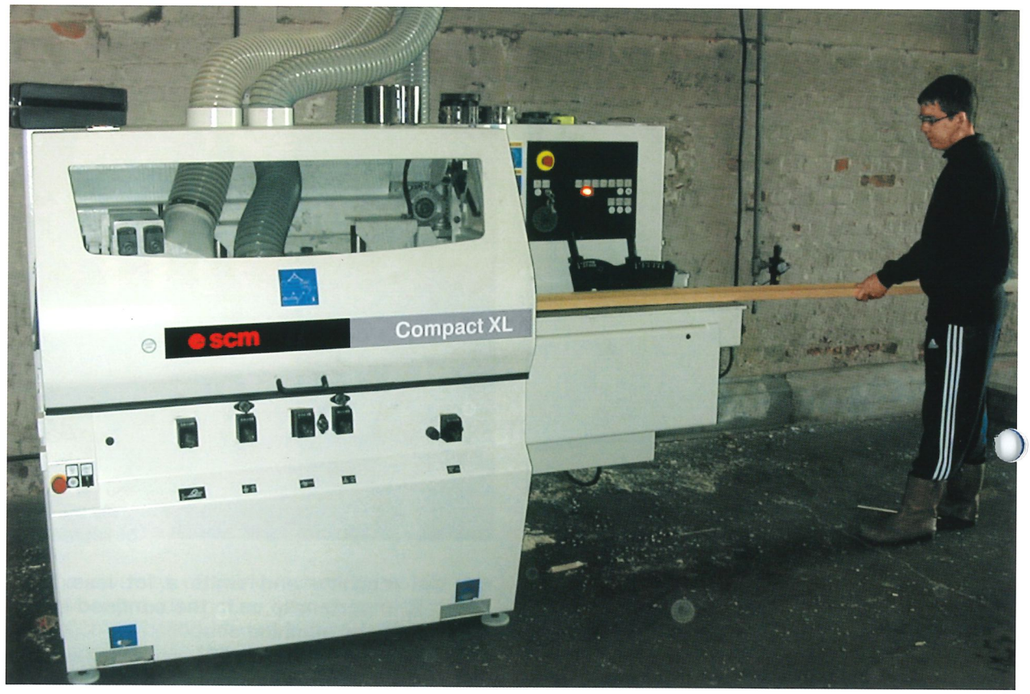
The Superset meets the CE standards, but Robert says the machine goes further, adding **"the close fitting safety/sound enclosure really reduces the noise levels in comparison with our old machine and emits a lot less dust, which is important to us in the confined space we have in the machine shop".**

Does Robert have any regrets about the SCM Superset? "the only regret I have, is not making the change earlier, we are all very pleased with extra flexibility the Superset gives us from one off PAR's to long or short runs of mouldings. It does the lot!"

Swiftwood Sawmill's SCM Compact XL Moulder

Swiftwood Imports are specialists in the importing and distribution of prepared softwood, and hold extensive stocks under cover at their site in Wisbech, Cambridgeshire.

They were the first company to offer a nationwide delivery service of imported prepared timber and are proud of their reputation for delivering a high quality product to the customer's premises in next to no time.The company was formed in 1982 on the philosophy that the customer is always the main focus, and that is the same approach taken 21 years later, and will continue to be taken in the future.



Swiftwood Sawmills Ltd was established in 1992. The initial purpose of the mill was to top-up stocks for Swiftwood Imports, but after a few months of operation the mill was inundated with orders for special pattern mouldings.

As demand increased, they have invested heavily in their mill over the last 10 years to fully develop their machining capability in order to satisfy their customer's diverse range of needs. Recently, Swiftwood have been involved in bespoke restoration work to produce two and three part architrave and skirting profiles for the Woolwich Barracks, and often get involved with the low volume high quality house builders where architects specify individual profiles for the second fix mouldings.
As well as a resaw, computerised cross-cut and priming machine, the mill contains a 6- head, 9" capacity high speed jointed moulder for longer runs and stock top-up, a six head, 9" quick change jobbing moulder for shorter runs on bespoke patterns, and a wide five head 12" machine for window boards, stair string material, etc.

They also have an extensive tool room with a recently bought SCM profile grinder to produce the profiled tooling for the mill patterns, a fully automatic straight knife grinder for the planing cutter blocks and an optical tool measurement system to enable fast changeovers with minimal errors. All of the profile templates for the profile grinder are produced on a CNC CAD-CAM template making machine for unerring profile accuracy.

The other machine in the set-up was a spindle moulder for producing very short runs of mouldings to go with the same customer order for larger runs of material. This could perhaps be only 10 metres which was completely uneconomic to set-up and run on the through feed moulders.

Although this was an existing solution, **the impending 'Chip Limitation' tooling recommendations from the HSE effective from December this year**, meant that for very short runs, not only would two knives have to be ground, but two chip limiters also, and both accurately ground to meet to the new standards safely.

Marcus Williams, Swiftwood's Mill Manager, set out to find a solution commenting, "We have all of the tool room technology and know-how to produce chip limiter tooling for spindle moulders, but felt a tooling solution alone would not move us forward in this important part our production. We wanted to achieve a number of benefits in replacing the spindle, as follows:

1. "To have a machine that was as quick (or quicker) and simple to set up as the spindle was, so as not to incur any extra time and cost on set-up.

2. The machine should be fully guarded and reduce noise levels as well as being mechanically fed obviating the need for chip limiter tooling.

3. Use the existing serrated tooling system used on the moulders.

4. To fit into the modest budget set aside for the spindle moulders replacement.

5. To fit into the very small area in the mill previously occupied by the spindle moulder as there is no extra space to put anything larger.

6. To add extra production throughput and flexibility.

As usual, Marcus set out to find if there was a machine on the market to match this criteria saying "Our ideal scenario was a small moulder, and there the headache started. There are many, many machines of this type available in the UK, so we started to narrow them down one by one. In the final analysis the shortlist came down to 3 machines, **but one in particular stood out, due to its unique set up system of adjusting the spindle rather than individual pressure elements. This was the SCM Compact XL".**

At another end user **the Compact was demonstrated to Swiftwood, changing tools and profiles as fast as SCM said it would.** Marcus remarked "We were also able to see the machine comfortably mill, a large profiled hardwood Scotia section which would have been a test for our larger machines, and the finish could not be faulted".

Now being convinced of the merits of the Compact XL, an order duly followed, but not at a "bog standard" specification! Marcus says **"SCM were flexible in their approach to the options they could provide on the machine.** We did not need the 2 metre straightening table, as all our work is strip milling in long lengths, **SCM therefore made a specific short infeed table for us".**

The machine has been installed and is meeting Swiftwood's expectations, with Marcus commenting **"The Compact has met our needs totally, its footprint is compact**, so it fits where the spindle was in the factory and it has an integral safety and sound enclosure, so the operator is far safer than when using the spindle moulder, the spindle units are 40mm diameter so we use all our existing tools, and **we do not have to worry about chip limiter tooling as the machine has mechanical feed and pneumatic pressures".**

"The big bonus though is the 'SET-UP' system, because only one adjustment is required via a digital readout is made per spindle. It is very easy for inexperienced operators to change over quickly and accurately, in some cases faster than the spindle! And although our machine was customised to our own particular needs it was very competitively priced. **Overall we have exchanged a spindle moulder for a machine which exceeds what the spindle gave us and adds to the flexibility and capacity of our mill".**

Leeds college update with SCM from JMJ

Leeds College of Building, which is the only specialist FE Construction College in the UK, has recently bucked a national trend, **by investing over £100,000 in woodworking machinery**, when most colleges in the country are closing their training provision down, due to the lack of students enrolling on their courses.

As funding became available, David Roberts, Principal of Leeds College of Building, approached **SCM's area distributor, JMJ Woodworking Machinery of Skidby, East Yorkshire**, to discuss their requirements in updating their old machinery, that in many cases did not comply with new regulations being implemented.
JMJ's John Jenkinson and Craig Cairns visited the College, and a comprehensive list of their needs was put together.

Shortly afterwards, orders were placed, and JMJ supplied a number of SCM machines, including an S520 Thicknesser, SI350 Panel Saw, T150K Spindle Moulder, CO700 Band Saw, Sandya 3 Automatic Wide Belt Sander, R800 Band ReSaw and a RS65 Stromab Crosscut saw.

Opening the "state of the art" centre, Clive Leach CBE, Chairman of the local Learning and Skills Council, commented "this major investment places the College at the forefront of machine woodworking training in the country. I believe that construction is one of the most important areas for investment, and this centre is a vote of confidence in manufacturing and building crafts."

David Hardcastle of J. Bland Ltd., Liversedge, stated "We have experienced problems obtaining advanced training for our machinists after the training provision in Huddersfield closed.
As a major importer of hardwoods, we can only realise our growth plans if our workforce are adequately trained on the latest machines and skilled to do the job."
Following an OfSTED inspection in February, the College received a coveted Grade One for its Timber Studies provision, the first College in the country to achieve a Grade One in a construction related area during this round of inspections. The college was recently awarded Centre of Vocational Excellence status – one of only 23 centres nationally to receive it.

Browns 2000 give SCM their biggest order

A £5Million major investment programme by Cramlington based manufacturer of Vinyl Wrapped Doors, Browns 2000, has resulted in SCM Group (UK) receiving their biggest order ever for machinery.
The order for 12 CNC Routers, including eleven ERGON twin-table, multi-headed machines, plus a Record 125 CNC Router, Tech 99 L machining centre, handling equipment including Robot Feeding and Stacking machines and an edge bander, total £2.45Million, and will be supplied over the next 8 months. Two of the Ergons include 5-axis head units as well as high speed routing heads with multi tool change facility.
A factory extension, taking Browns 2000's production area to over 170,000 square feet, is under construction, and it will be the most modern facility within the UK for the production of vinyl wrapped doors for the kitchen and bedroom markets.
Browns 2000 Managing Director, Peter Brown, commented "We are experiencing a tremendous influx of orders for our range of doors and components, and therefore to satisfy the demand and to continue to provide our customers with a top quality product, I believe investing in the very best plant and machinery that is available is the way forward. **After visiting SCM's modern Manufacturing Plants in Rimini for detailed demonstrations and negotiations with their Area Manager, Ian McCarthy, I had no hesitation in placing the order with SCM."**
Two Cefla Gluing and Drying units automatically linked to two Burkle Membrane Presses, a Wood Burning system and three Stone CNC Machines for producing marble worktops and in-fill plates complete the investment.

SCM's Ian McCarthy states "Our Italian Principles found it hard to believe one Company would order twelve CNC Routers and handling together, but they soon realised Peter Brown was serious, **and this order keeps SCM at the forefront as the leading supplier of CNC Routers and Machining Centres in the UK.** The Ergon has already proved a winner in the production of door blanks in the UK, and the **Browns 2000 order is a tremendous confirmation of SCM's commitment to supplying the very best range of machines to all of the UK's manufacturing plants."**

AM products continues expansion with SCM

Located next to one of the UK's largest furniture manufacturers and also alongside a formidable joinery manufacturer, AM Products of Highbridge, Somerset, are a small, but successful company, that a majority of customers would experience it difficult to find down a small side street.
Yet, AM Products are a thriving manufacturer, which does not even have its own product range, but continues to be busy throughout the year, and ever keen to find new customers to feed the factory with work, the majority of which is panel orientated.
SCM's Sales Director, Mike King, equally found AM Products difficult to find over 11 years ago, when the current owner, Andy Willment, started the business in a lock-up garage behind a row of houses. Opening the narrow door, **Mike found an SCM CNC Router in operation, and realised this was a business already looking to the future. As there was little space for the SCM ROUTRON**, with its moving table, to operate, Andy Willment had to find larger premises and purchased a unit on the Walrow Industrial Estate. As the ROUTRON only had a 7 x 3 foot table size, a decision was made to upgrade to a larger table to accommodate an 8 x 4 foot panel sheet size, **and an order for an SCM RECORD 220 CNC Router, with drilling and vector axis was placed**, the high specification chosen to ensure a very wide range of work could be undertaken from any source.
Andy Willment comments, "Although we already had an SCM CNC Router, we investigated the wide range of machines available, and seeing the SCM machine at Woodmex 8 years ago, **we felt confident the SCM machine would suit our needs**, and it is still performing extremely well to this day – it was a sound investment". As more work was undertaken , a cautious Andy was diversifying, and he purchased a second-hand SCM ALFA Beam Saw and a small edge bander, enabling AM Products to offer a cutting and edging service, alongside the spraying of paints and lacquers in a dedicated component finishing area.
3 years ago, Andy realised that the membrane pressing of doors was taking off, and purchased a membrane press, to enable AM Products to offer small , medium and even the larger manufacturers, a service where special sizes and foils could be offered, and even quantities that are relatively small compared to most suppliers. "After a considerable amount of development time, we can quote and supply anyone" continued Andy Willment, "the RECORD 220 machines all the MDF door blanks before the gluing and pressing cycle".
"Supplying doors inevitably brings enquiries for panels and carcassing" states Andy. "Therefore, we urgently required a large capacity Beam Saw and a more sophisticated edge bander to apply tape, 3mm PVC and solid wood lippings. Another visit to Woodmex last November, a meeting with Mike King to discuss our needs, **and we soon placed orders with SCM for a SIGMA 85KC Beam Saw and a K208ER single-sided edge bander**, which were installed over a weekend to ensure minimum downtime."
The Sigma has a 3200 x 3200mm cutting capacity, an 80mm cutting height, **with a full PC/PLC Graphic Control unit**, which is extremely user friendly. An 'OPTICUT' Optimising package has since been installed, programmable in the office and downloaded directly to the SIGMA's controller.
The K208ER, with its programmable Graphic Controller, is, unlike most edge banders, simple to set-up and operate. AM Products' Steve Tasker commented "We don't know from one job to the next the size of panels(s), the colour, the type of edging or the quantity, so it is essential we can set-up the K208 in a couple of minutes, and keep the machine running to enable it to pay for itself. Already it has proved a huge success.
A visit to AM Products factory always sees delivery lorries arriving and departing with sheets of material, doors, panels, and component parts. A final comment from Andy Willment "We are only 6 persons, but every day brings a new challenge. **Just like SCM, we aim to give our many customers an excellent service, and continued investment in the latest technology from the likes of SCM has certainly paid AM Products handsomely."**

Expansion at Beaver cabinets and doors

Situated in Maghera, County Londonderry in Northern Ireland, Beaver Kitchens and Bedrooms have undergone a massive investment program, to establish their new venture 'Beaver Cabinets and Doors'.

Starting business 35 years ago as Maghera Joinery Works Ltd., the founder's 3 sons, Damian, Paddy and Murty Young, have transformed the company from manufacturing traditional joinery products, to one of the leading suppliers of Kitchen and Bedroom Carcasses and Doors in the UK today.

With an impressive frontage and reception area, the 60,000 sq.foot factory has a considerable number of the latest technological machines available in the marketplace. Carcasses have been manufactured for over 10 years, using 'Morbidelli' Author 660 fms throughfeed borers, to cope with the wide range of sizes and colours requested by Beaver's customers.

Beaver's Managing Director, Damian Young, comments "We have a wide range of customers throughout the UK of varying sizes, and they kept telling us they wanted to buy everything from one, single source. As well as the carcasses, they wanted the doors, profiles and accessories delivered at the same time, so we found entering the door manufacturing and supply market a natural progression for our business."

"We offer a wide range of doors of varying dimensions and styles, and we can be extremely flexible in terms of what the customer requires, with a typical order for doors being around 300, and a current capacity of 10,000 doors per week."

Typical Beaver's customers are major Kitchen and Bedroom manufacturers, Housing Developers, Door and Carcass Distributors, situated on the UK mainland. To promote Beaver's products and services, Beaver's Product Manager, Keith Fletcher, is available to discuss any existing or potential clients requirements, feeding the orders into the manufacturing cycle in the Maghera factory.

The production is in the hands of Operations Director, Paddy Young, who oversees the impressive manufacturing facility. "We quickly found that, to provide our customers with a service second-to-none, we had to invest further in machinery for the factory," comments Paddy, **"So we commenced upon a detailed search for the best machines available and, after several months visiting potential supplier's factories and customers, we settled upon SCM's ERGON CNC Router/Machining Centre."**

An initial order was placed for 2 machines that have now been installed and are on full production, producing MDF door panels at a high rate, necessary to feed the Membrane Presses further down the factory.

Each Ergon machine has 2 tables 2640 x 2120 mm each, with two routing heads each fitted with 12-station automatic Tool Changers, **each head having its own independent Z axis and SCM's 'Syncron' Electronic Floating Head**. With the heads located on the rear of the fixed gantry overhead beam, **the machine is easy to use and provides maximum safety to the operator**, with one table machining, the remaining table can be loaded and unloaded easily and safely, the operator free from the machining area, with access to 3 sides.

The exclusive SCM multi-function aluminium worktable has large grooves across X and Y axes for the vacuum hold-down system utilising large capacity vacuum pumps, thus guaranteeing effective workpiece hold-down during the Nesting machining process.

For the best quality and maximum machining speeds, Beaver invested in Diamond Tooling, and utilize Licom's Alpha-Door Cad-Cam programming system to ensure the best efficiency of material on the ERGON's table.

Paddy Young continues "the investment in our manufacturing plant will continue as the Beaver business grows, and for this reason, we have already the space available to install a third ERGON when production on the two current ERGON's has reached the maximum possible. **We are extremely impressed with the SCM ERGON CNC machines, which were installed and commissioned with minimum disruption to the remainder of the factory".**

Ling Joinery continues investing with SCM

Situated in the depths of the Cumbrian countryside near the village of Cliburn, Penrith, is a traditional joinery manufacturing plant, that continues investing in the latest machinery available from 'SCM', the World's leader in solid wood and panel manufacturing machinery. A.J. and D. Chapelhow Ltd., trades as LING JOINERY, the business started in 1961 by Alan Chapelhow, who, at the age of 65, maintains his enthusiasm for the business and the production of top quality, high class joinery products, in particular, Windows.

Employing 25 personnel, Ling Joinery's reputation has been built on providing quality joinery and a service second to none. Ling does not employ any sales staff, but relies on referrals and repeat business from a range of customers throughout the UK, and, in some cases, Europe. County Councils, Housing Association, Hospitals and Private Builders are some of Ling's customers and orders up to 1,500 windows on a site are commonplace.

Alan's son, Malcolm Chapelhow, in charge of the extensive production facility, believes in selecting quality softwoods, and frequently visits Sweden, Finland and Russia to buy from the Mill, ensuring his timber is virtually knot-free. Laminating boards together enables large, dimensioned sections to be machined.

Ling's emphasis is on pre-finished windows, fully painted (95% of total production) or stained, and fitted with the glazing cassette, supplied by Pilkington's Cumbernauld factory and other suppliers. There is also an aluminium window department, supplying Aluminium Clad windows for high-rise buildings, but timber windows is the main product of Ling Joinery and an automated spray finishing plant using water-based paints is on site.

The majority of the 28,000 sq.foot production facility is taken up by production machinery, almost everything supplied by SCM based in Nottingham. Malcolm Chapelhow comments "We have been a very good customer of SCM for a considerable number of years. We believe in loyalty to a supplier, the same loyalty our customers give to us. SCM have provided us with excellent service and back-up and we have seen no reason to change supplier as long as they look after us."

Alan Chapelhow continues "We have never been deterred from buying the latest technology in machinery. We had the very first SCM 'SUPERSET' Planer/Moulder, and we had an SCM 'MULTIFLEX' Window Centre, Version B, in 1991, again one of the first in the UK. In 1994, we bought another MULTIFLEX machine. They are both still running today and have produced countless number of window components. Small joinery manufacturers have a reluctance to invest in Plant and Machinery, especially with all the new Regulations coming in. So, to keep up with the "Big Boys", we continually update and invest in new machines."

At the heart of the factory is SCM's 'WINDOR 60 CNC WINDOW MANUFACTURING LINE, which was installed in 2002. With its stacked tooling and CNC control, the timber is fed onto a table at the infeed, cut to length and tenoned, automatically turned through 180 degrees, and cut to length and tenoned on the second end. The component is unclamped and fed onto a belt conveyor at a right angle, which transports the components into the highly specified profiling section of the WINDOR 60.

At the outfeed, the machined component feed on to a wide conveyor, enabling removal from the line and stacking with ease. "The line is so productive it only runs 2 or 3 days per week, plenty of room for increased production as and when required" states operator and programmer, Ian Clements.

The latest addition to the factory is an SCM CNC Machining and Routing Centre, model RECORD 130TV with an extended TV bar and pod vacuum bed. This is required to produce square, rectangular and arched window section components, and with this latest technology just installed, complete with Automatic Tool changer that accepts large diameter tools, virtually anything can be produced, including Stair Components, Door Servicing and Door Sets.

Finally, Alan Chapelhow, despite being at retiring age, is very much a 'hands-on' employer, and is seen more on the factory floor more than in the office. "Timber windows are making a tremendous come-back in the Building Industry. UPVC was fashionable, but when there is a problem, it can be expensive to put right. The feel and appearance of timber joinery, if produced to a high quality and standard, as we do, will continue well into the future. Ling Joinery is here to supply the market place, and we can normally deliver in 3 to 4 weeks, sooner if we have the material and tooling.

We will continue to invest with SCM, of course!"

Netline – Intelligent integration of machines and software for furniture manufacturers

Optimisation of times, materials and human resources are necessary for every modern production. Another common requirement today is the possibility of making components to customer's specified sizes without having to lose time redesigning and setting up machines.
To meet all these requirements, SCM presents an integrated production line featuring a software package which, starting from basic project data and interacting with existing machine software and electronic circuitry, constitutes the link between the different machines in the production line without requiring further action from the operator.

The panel saw, edge bander and boring/routing centre are linked up by a PC-server on which the connecting software is installed and which constitutes the interface between the designer/acquirer of the order and the machines in the production line.

The software package can be divided into three modules:

1) **Net-project**. This is the user friendly design software module with basic graphic function, for a sure introduction into the company context and compatible with design software packages available on the market. It enables the furniture components required for a project to be interactively designed and represented with 3D vector graphics.

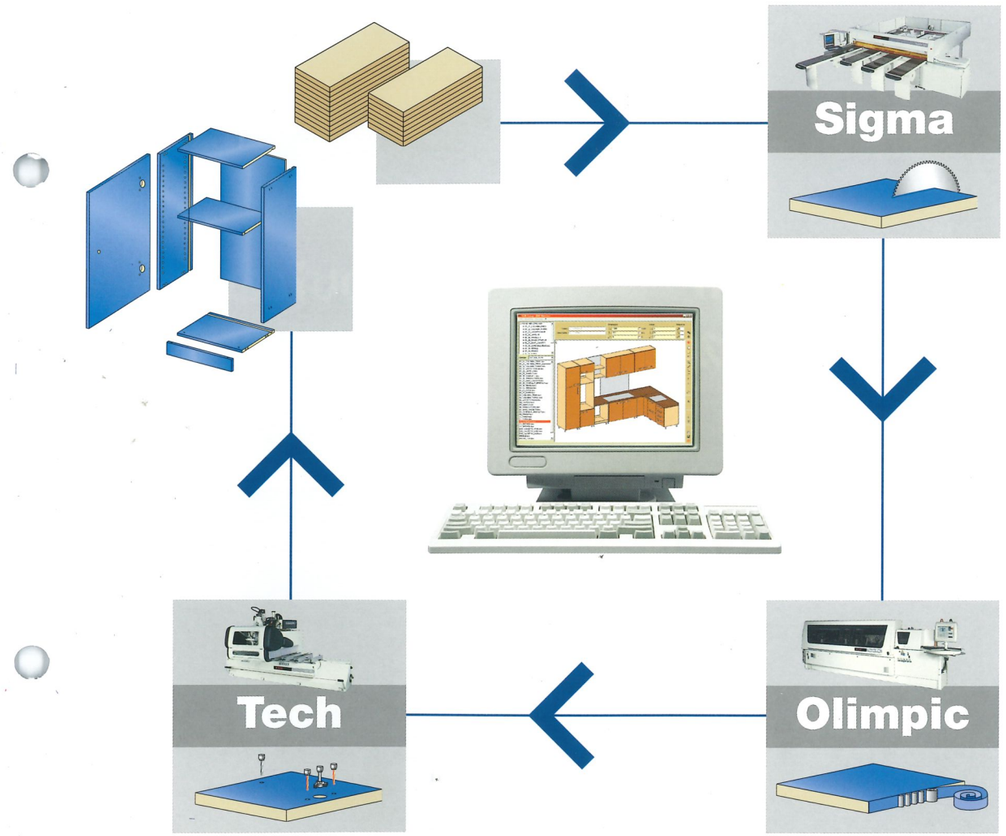
This means that when a project is validated, all the information relating to the panels involved in the project can be transferred directly to the Netline Pilot module, without any need for intermediate stages for customising, designing and defining machine cycles.

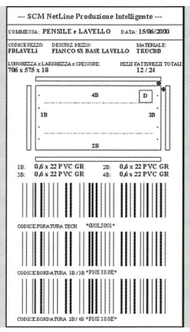
2) **Net-pilot**. This module distributes the informati received from the Net-project module or manuall entered to the software resident on the PCs or machine NCs (panel saws, edge banders and boring/routing centres) so that the machine control programs can be automatically processed.
Then:
- the **panel saw**, having calculated the optimised cuts to be made, also produces labels with bar codes, to be read by the following machines, indicating the order in which the machining programs will be activated;
- the **edge bander** checks for the presence of the programs required to perform the process;
- the **boring-routing centre** processes the command programs for execution of the necessary boring and routing with optimised paths and also identifying the position of the workpieces.

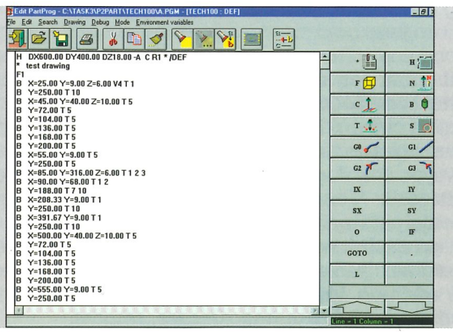
This machining process, integrated by the bar codes to start the machines, significantly reduces the possibility of machining errors.

3) **Net-report**. This module constitutes the data warehouse containing material consumption, process time and malfunctioning data which can be used to create industrial accounting reports.

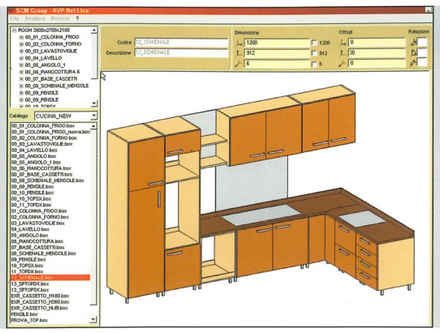
Production flexibility at zero cost







net pilot



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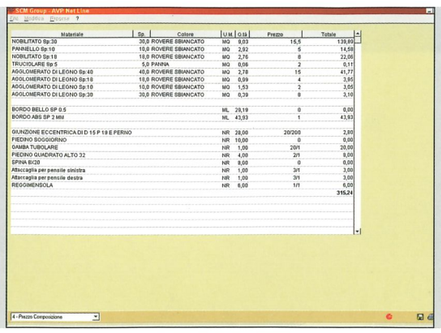

net report

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