All “Made in SCM Italy”
From casting iron to finished product.

Come see our production plants and touch the quality of SCM machines; you will be our guest.
minimax
the passion that deserves professional products.
minimax is the line of professional machines for hobbyists and woodworkers, a point of reference for over 40 years worldwide. SCM’s objective is to guarantee customers high quality technologies which meet their requirements in such a way as to make SCM the partner for any needs.

elite
Solid, flexible and economical.
### elite combined machines

**cu 410e**

Universal combined machine

**fs 41e**

Surfacing-thicknessing planer

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<table>
<thead>
<tr>
<th>Specification</th>
<th>cu 410e</th>
<th>fs 41e</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planer useful working width</td>
<td>410</td>
<td>410</td>
</tr>
<tr>
<td>Total length of surfacing tables</td>
<td>2000</td>
<td>2000</td>
</tr>
<tr>
<td>Max. saw blade diameter with <strong>scoring blade installed</strong></td>
<td>3 – 240</td>
<td>3 – 240</td>
</tr>
<tr>
<td>Squaring stroke</td>
<td>315</td>
<td>-</td>
</tr>
<tr>
<td>Max. spindle length</td>
<td>125</td>
<td>-</td>
</tr>
<tr>
<td>Three-phase motors starting from</td>
<td><strong>kW/Hz</strong> 4 (4,8) / 50 (60)</td>
<td>4 (4,8) / 50 (60)</td>
</tr>
</tbody>
</table>

*Find the complete technical specification at page 12*
Solid, flexible and affordable machines for woodworking shops and demanding craftsmen that want to achieve a qualitatively superior finished product.
combined machine and circular saw

Max. saw blade diameter with scoring blade installed
Squaring stroke
Max. useful spindle length
Three-phase motors starting from
Find the complete technical specification at page 12

<table>
<thead>
<tr>
<th></th>
<th>st 4e</th>
<th>sc 4e</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. saw blade diameter</td>
<td>mm</td>
<td>315</td>
</tr>
<tr>
<td>with scoring blade installed</td>
<td>315</td>
<td></td>
</tr>
<tr>
<td>Squaring stroke</td>
<td>mm</td>
<td>1600 – 3200</td>
</tr>
<tr>
<td></td>
<td>mm</td>
<td>125</td>
</tr>
<tr>
<td>Max. useful spindle length</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Three-phase motors starting from</td>
<td>kW/Hz</td>
<td>4 (4.8) / 50 (60)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 (4.8) / 50 (60)</td>
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</table>
Saw Unit
stability and rigidity

Spindle Moulder
versatility

Moulder Guide
hi-tech devices

Digital Readout
hi-tech devices

Sliding Table
precise and silent
Saw Unit.
The new saw unit closed loop structure is made of a heavy cast iron and is supported firmly under the table by two lateral supports in a crescent shape. These solutions give strength and rigidity, guaranteeing perfect cutting results. The saw unit can be equipped, on request, with scoring blade for perfect cutting even on veneered panels. The scoring blade is an option available in two versions: with belt transmission from the main motor and with an independent motor 0.75 HP (0.55 kW). The maximum diameter allowed for the main saw is 315 mm with scoring blade mounted.

The lifting of the blade unit is done by a robust cast iron structure with dovetail system.

The rotation fulcrums of the saw unit have a 120 mm diameter and stand on steady crescent shaped rests that separate it from the base; a rigid reliable solution.

The scoring blade is adjustable from the outside without tools and allows fast and accurate positioning with no play.
precise and silent

Sliding Table.
Optimal support also to larger pieces, with the sliding table 360 mm wide. Exceptional precision and smoothness: to secure the guides it is not used glue, since the thickness could affect sliding. They are secured with a procedure of aluminum riveting.

Panel loading is easy on the large squaring frame with an idle roller at the end. The telescopic squaring fence with two reversible stops can be used to square panels measuring 3200 x 3200 mm and for miter cuts at up to 45° on both sides of the frame.

high-tech devices

Digital Readout.
The round cross-section sliding bar for the parallel fence (optional device for cu 410e) with micrometric adjustments ensures a smooth, fast and especially precise positioning of the fence. The support of the fence can also be equipped with a digital readout, with the sensor running on a magnetic stripe (option).
Two feed speed for the standard thicknesser (6 - 12 m/min.). In the **cu 410e** the planers open towards the circular saw-spindle moulder side: an ergonomic solution with minimum amount of space.

The **fs 41e** uses a dedicated planing fence extremely rigid and smooth, thanks to a support with central round bar.

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**elite operating groups**

**Planer Cutter Block.**
The planer unit stands on cast iron supports and the standard version has a 87 mm diameter cutter block with 3 knives. (The optional “Tersa” cutter block is available with 4 quick tightening knives and automatic adjustment).

For an impeccable finish, the pressure of the thicknesser feed rollers can be adjusted according to the type of wood machined.

The infeed roller (A) has a helicoidal profile to guarantee firm and constant work piece feed, while the outfeed roller (B), in sandblasted steel, maintains the perfect post-processing finishing.

**perfect finishing**

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**functional and customisable**

A machine even more versatile: with the practical mortiser (option) drilling holes or mortises are easily done.
**versatility**

**Spindle Moulder.**
Maximum stability and rigidity in all working conditions, thanks to a large spindle moulder column made entirely of cast iron.
The 4 standard speed are ideal for any type of machining, from moulding to routing and tenoning with the possibility to fit tools up to 275 mm of diameter. The spindle is surrounded by a cast iron “cup” to protect the internal mechanical components from shavings and sawdust.

**high-tech devices**

**Moulder Fence.**
The standard spindle moulder hood (A) can house tools of maximum diameter 210 mm. Available as an option, the spindle moulder hood that uses an adjustment system of the guides through rack and it has a mechanical digital readout (B). Thanks to the memories system, this hood can be removed and replaced without losing the operating position. The maximum capacity of the tool used in profiling is 240 mm in diameter. It is available, on request, the tilting spindle 45° towards the inside machine.
### Planer

<table>
<thead>
<tr>
<th></th>
<th>cu 410e</th>
<th>fs 41e</th>
<th>st 4e</th>
<th>sc 4e</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Working width</strong></td>
<td>mm 410</td>
<td>410</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Cutter block diameter (mm)/no. of standard knives</strong></td>
<td>mm/n. 87/3</td>
<td>87/3</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Dimensions of standard knives</strong></td>
<td>mm 410 x 30 x 3</td>
<td>410 x 30 x 3</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Max. stock removal</strong></td>
<td>mm 5</td>
<td>5</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Surfacing tables total length</strong></td>
<td>mm 2000</td>
<td>2000</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Thicknessing table dimensions</strong></td>
<td>mm 423 x 775</td>
<td>423 x 775</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Feed speed on thicknesser</strong></td>
<td>m/min 6/12</td>
<td>6/12</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Min. – max. working height on thicknesser</strong></td>
<td>mm 3 – 230</td>
<td>3 – 230</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

### Circular Saw

<table>
<thead>
<tr>
<th></th>
<th>mm 1250 x 430</th>
<th>-</th>
<th>1250 x 430</th>
<th>840 x 560</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Saw blade tilting</strong></td>
<td>90° ÷ 45°</td>
<td>-</td>
<td>90° ÷ 45°</td>
<td>90° ÷ 45°</td>
</tr>
<tr>
<td><strong>Max. saw blade diameter with scoring blade installed</strong></td>
<td>mm 315</td>
<td>-</td>
<td>315</td>
<td>315</td>
</tr>
<tr>
<td><strong>Max. saw blade projection from table at 90°/45°</strong></td>
<td>mm 100/70</td>
<td>-</td>
<td>100/70</td>
<td>100/70</td>
</tr>
<tr>
<td><strong>Squaring stroke</strong></td>
<td>mm 1600 ÷ 3200</td>
<td>-</td>
<td>1600 ÷ 3200</td>
<td>2250 ÷ 3200</td>
</tr>
<tr>
<td><strong>Cutting width on parallel fence</strong></td>
<td>mm 1050</td>
<td>-</td>
<td>900 ÷ 1270</td>
<td>900 ÷ 1270</td>
</tr>
</tbody>
</table>

### Spindle Moulder

<table>
<thead>
<tr>
<th></th>
<th>mm 125</th>
<th>-</th>
<th>125</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Max. useful spindle length</strong></td>
<td>mm 125</td>
<td>-</td>
<td>125</td>
</tr>
<tr>
<td><strong>Spindle moulder speeds (at 50 Hz)</strong></td>
<td>rpm 3500/6000/8000/10.000</td>
<td>-</td>
<td>3500/6000/8000/10.000</td>
</tr>
<tr>
<td><strong>Max. tool diameter when profiling</strong></td>
<td>mm 210 ÷ 240</td>
<td>-</td>
<td>210 ÷ 240</td>
</tr>
<tr>
<td><strong>Max. diameter of tool lowered under the table at 90°</strong></td>
<td>mm 240</td>
<td>-</td>
<td>240</td>
</tr>
<tr>
<td><strong>Max. tool diameter when tenoning</strong></td>
<td>mm 275</td>
<td>-</td>
<td>275</td>
</tr>
</tbody>
</table>

### Other Technical Features

| Three-phase motors 4 kW (5,5 hp) 50 Hz | S | S | S | S |
| Three-phase motors 5 kW (6,6 hp) 50 Hz | O | O | O | O |
| Three-phase motors 7 kW (9,5 hp) 50 Hz | O | O | O | O |
| Single-phase motors 2,2 kW (3 hp) 50 Hz | O | O | O | O |
| Single-phase motors 3,6 kW (4,8 hp) 60 Hz | O | O | O | O |
| Exhaust outlets diameter | mm 120 | 120 | 120 | 120 |
with wagon 1600 mm
with wagon 2250 mm
with wagon 2600 mm
with wagon 3200 mm
with 900 mm cutting width*
with 1270 mm cutting width*
* at the parallel fence
**Elite main optional devices**

- **Pre-set angular cutting device**
  - Directly positioned on the squaring frame.
  - To find rapidly the most common angles with the squaring fence. Useful for large work pieces.

- **Angular cutting device with flip-over stops**
  - To rapidly perform mitre cuts without moving the squaring fence.
  - Recommended for mitre cuts on small work pieces.

- **Additional table on the sliding carriage**
  - For the support of large dimensioned panels.

- **Overhead blade protection**
  - For totally safe machining.

- **Digital readout for the fence position on the parallel fence**
  - It allows precise positioning with the magnetic strip sensor.
“Tersa” cutter block
Automatic knives clamping by means of the centrifugal force ensures safe and precise machining. The system, without fixing screws, makes knives substitution extremely fast.

“Xilent” spiralknife cutter block with 3 series of knives
The 3 spiralknives give an exceptional finish. Reduced noise during machining provides a more comfortable working environment. It also improves the dust extraction due to the production of very small chips. Each cutter has 4 tips which can be rotated into the cutting position when worn. Therefore increasing the production life of the cutter block before knives require replacement.

maintenance case for “Xylent” spiralknife
Complete with:
- 1 cleaning/degreasing liquid bottle for the resins cleaning
- 1 set dynamometric key
- 2 bit Torx
- 10 inserts
- 5 screws
- 1 brass bristle brush to clean the spindle with mounted in inserts
- 1 steel bristle brush to clean the inserts housings

self-centering chuck
0-16 mm “Wescott” type
The mortiser spindles can be rapidly substituted without the necessity of adjustment.

cast iron mortiser
Drilling holes and mortises are easily carried out. Complete with exhaust hood, 120 mm diameter and 16 mm chuck.

chuck with clamp
It allows harder machining thanks to the stronger bits. The chuck includes 3 clamps 5/10/16 mm.
additional overturning fence for thin work pieces
It ensures optimum operator safety when machining thin work pieces.

interchangeable spindle (A)
For a very quick spindle substitution. Among the spare spindle, it is available also the spindle for router bits. (B)

tenoning table and protection hood
For the tenoning operations on the spindle moulder. It consists of:
- table
- protection hood for tools, 275 mm diameter
- exhaust hood, 120 mm diameter

dado set
mechanical presetting to use a tool (not included) in place of the main blade.

electric pre-setting and flip over support for feeder
This solution allows a total exclusion of the device and prevents interference with other parts of the machine.

wheels for machine movement
<table>
<thead>
<tr>
<th>Standard</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elite main optional devices</td>
<td>cu 410e</td>
</tr>
<tr>
<td>Angular cutting device with flip-over stops</td>
<td>-</td>
</tr>
<tr>
<td>Pre-set angular cutting device directly positioned on squaring frame</td>
<td>-</td>
</tr>
<tr>
<td>Digital readout for the fence position on the parallel fence</td>
<td>-</td>
</tr>
<tr>
<td>Additional table on the sliding carriage</td>
<td>-</td>
</tr>
<tr>
<td>Overhead blade protection</td>
<td>-</td>
</tr>
<tr>
<td>Numerical readouts for the groups positioning</td>
<td>-</td>
</tr>
<tr>
<td>&quot;Tersa&quot; cutter block</td>
<td>O</td>
</tr>
<tr>
<td>&quot;Xylent&quot; spiralknife cutter block with 3 series of knife</td>
<td>O</td>
</tr>
<tr>
<td>Maintenance case for &quot;Xylent&quot; spiraknives</td>
<td>O</td>
</tr>
<tr>
<td>Cast iron mortiser</td>
<td>O</td>
</tr>
<tr>
<td>Self-centering chuck 0-16 mm &quot;Wescott&quot; type</td>
<td>O</td>
</tr>
<tr>
<td>Chuck with clamp</td>
<td>O</td>
</tr>
<tr>
<td>Additional overturning fence for thin work pieces</td>
<td>O</td>
</tr>
<tr>
<td>Three movement adjustable spindle moulder fence</td>
<td>O</td>
</tr>
<tr>
<td>Tenoning table and protection hood</td>
<td>O</td>
</tr>
<tr>
<td>Electric pre-setting and flip over support for feeder</td>
<td>O</td>
</tr>
<tr>
<td>Interchangeable spindle</td>
<td>O</td>
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<tr>
<td>Wheels for machine movement</td>
<td>O</td>
</tr>
<tr>
<td>Dado set</td>
<td>O</td>
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</tbody>
</table>
HIGHLY SPECIALISED TECHNICIANS, EFFICIENT MANAGEMENT AND 6 SPARE PARTS BRANCHES AROUND THE WORLD GUARANTEE A CLOSE, SAFE AND EFFECTIVE TECHNICAL SUPPORT.

PROMPT AND EXPERT TECHNICAL SUPPORT THROUGH A NETWORK OF 1000 TECHNICIANS AND AN INVENTORY OF 36,000 SPARE PARTS.
SCM provides a service that goes beyond the purchase, to guarantee the long term performance of your technological production system and peace of mind for your business.

A COMPLETE RANGE OF AFTER-SALES SERVICES
• installation and start-up of machines, cells, lines and systems
• tailored training programs
• telephone support to reduce times and costs when machines are not working
• preventive maintenance programs to guarantee long term performance
• complete renovation of machines and plants to renew the added value of the investments
• custom upgrading to update machines and plants and meet new production requirements

SCM Group can count on 140 spare parts professionals worldwide to meet any request with real time shipments.

36,000 SPARE PARTS
Our spare parts inventory, with a value of 12 million euros, covers every single machine.

SPARE PARTS GUARANTEED
We guarantee also hard to find parts, with 3.5 million euros invested in “critical” spare parts.

IMMEDIATE AVAILABILITY
Over 90% of orders received are carried out the same day thanks to the huge inventory available.

6 BRANCHES AROUND THE WORLD
The spare parts service can count on worldwide support (Rimini, Singapore, Shenzhen, Moscow, Atlanta, São Bento do Sul)

500 SHIPMENTS A DAY

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THE STRONGEST WOOD TECHNOLOGIES ARE IN OUR DNA

SCM. A HERITAGE OF SKILLS IN A UNIQUE BRAND
Over 65 years of success gives SCM the centre stage in woodworking technology. This heritage results from bringing together the best know-how in machining and systems for wood-based manufacturing. SCM is present all over the world, brought to you by the widest distribution network in the industry.

65 years history
3 main production sites in Italy
300,000 square metres of production space
20,000 machines manufactured per year
90% export
20 foreign branches
400 agents and dealers
500 support technicians
500 registered patents

In SCM’s DNA also strength and solidity of a great Group. The SCM Group is a world leader, manufacturing industrial equipment and components for machining the widest range of materials.

SCM GROUP, A HIGHLY SKILLED TEAM EXPERT IN INDUSTRIAL MACHINES AND COMPONENTS

INDUSTRIAL MACHINERY
Stand-alone machines, integrated systems and services dedicated to processing a wide range of materials.

WOODWORKING TECHNOLOGIES

TECHNOLOGIES FOR PROCESSING COMPOSITE MATERIALS, ALUMINIUM, PLASTIC, GLASS, STONE, METAL

INDUSTRIAL COMPONENTS
Technological components for the Group’s machines and systems, for those of third-parties and the machinery industry.

SPINDLES AND TECHNOLOGICAL COMPONENTS
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METALWORK
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F. +39 0541 674274
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