

# SPINDLE MOULDER

## TOP QUALITY FINISH OF THE PROCESSED WORK PIECE.

Total absence of vibration and absolute machine rigidity when machining due to a perfectly balanced electrospindle structure and the use of the highest quality materials and components.

Electrospindle controlled by an inverter for speed changes electronically from 900 to 12.000 rpm with maximum available motor power from 3.400 rpm.

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- ⊕ satisfaction
- ⊖ waste of time

*L'invincibile*



# SPINDLE MOULDER

## **ELECTROSPINDLE: PRECISION AND RELIABILITY IN AN UNBEATABLE TIMESCALE.**

The exclusive drive unit consists of an electrospindle specifically designed for all possible spindle moulder applications. The electrospindle's direct drive eliminates maintenance procedures common with conventional belt driven systems. Optimal machine cleaning and a healthy environment due to an efficient exhaust system with side outlets.

## **LESS MOVEMENT FOR FASTER SETTING-UP.**

Speed of setting-up due to the unique movement mechanism of the spindle (SCM patent), which allows the operator to position independently the height of the tool with the tilted spindle and the moulder fence. Maximum performance using the latest technology of the screws with recirculating ball-bearings and the linear guides which guarantee a total absence of vibration and wear, therefore much reduced maintenance (centralised lubrication).



**⊕ technology**  
**⊖ maintenance**

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### EYE-S CONSOLE: THE PLEASURE OF CONTROLLING ALL MACHINE FUNCTIONS FROM THE CONTROL PANEL.

The new control panel, with its attractive design, allows easy and intuitive machine programming, combining the 15" colour touch-screen display and the **Maestro** active user interface.

Main functions:

- connectivity among machines belonging to the same company network and **4.0 Industry** preset
- sharing of work programs and tools database
- activity monitoring and reporting on the use of the machine
- self-diagnosis, tele-service and link to troubleshooting

### TOOL DETECTION SYSTEM: SETTING UP SPEEDILY AND SAFELY.

This system eliminates any manual operation for setting up the required work allowing the operator to automatically input all the work data. Higher operator's safety: the possibility to select only the programs associated with the tool installed eliminates possible dangerous situations. Less input data, fewer errors, immediately ready to work.

### OPERATOR ASSISTANCE: WORKING BECOMES EASIER AND MORE PRECISE.

For every tool, the machine can be positioned without the necessity of calculation or to create programs due to the possibility of defining the origin point on three different positions of the tool profile. For the most recurring machining jobs it is possible to set the dimensions of the required profile and select the tool to be used.

The controls will create the dedicated program to carry out the required machining operations.



⊕ safety  
⊖ errors

# SPINDLE MOULDER

	/TI 7	/TI 5	/TF 5	
<b>Equipment</b>				
"eye-S" 15" electronic control	S	S	S	
Mobile control panel	S	S	S	
"Flex" spindle moulder fence with automatic movement	S	S	S	
Spindle moulder fence with aluminium tables	S	S	S	
"Fast" sectional table with manual movement	-	S	S	
"Fast" sectional table with automatic movement	S	O	O	
Inverter for speed change from 900 to 12.000 rpm	S	S	O	
7,5kW electrospindle	S	S	O	
11kW electrospindle	O	O	O	
HSK 63B rapid tool changeover	S	O	O	
HSK 63E rapid tool changeover	O	O	O	
Automatic tool detecting system	S	-	-	
MK5 interchangeable spindle	-	S	S	
"T-SET" rapid tool locking	-	O	O	
Automatic feeder support	O	O	O	
Manual feeder support	O	O	O	
"LL" version with 2 profiling extensions	O	O	O	
"TL PRO-10" version for tenoning and profiling	O	O	O	
Glazing bead unit	O	O	O	
"SavEnergy" Intelligent system for the management of the machine's energy consumption	O	O	O	
Barcode reader	O	O	O	
<b>Technical data</b>				
Work table dimensions	mm	1200x750	1200x780	1200x730
Spindle tilting	degrees	±45,50°	±45,50°	-
Spindle speed	rpm	900÷12.000	900÷12.000	3000÷4500÷6000÷ 7000÷10000
Spindle moulder fence stroke	mm	250 (from -125 to +125)	250 (from -125 to +125)	250 (from -125 to +125)

S Standard  
O Option

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# SURFACE PLANER

## FEEDING ON CONNECTING RODS: CONSTANT PRECISION OVER TIME.

All machining with maximum safety with the movement of the infeed table by means of a parallelogram kinetic mechanism which always gives the same distance between the cutterblock and the table. The system operating directly on the connecting rods avoids any exertion to the table assuring constant planarity over time.

## CONCAVE/CONVEX FUNCTION: PERFECT JOINTS EVERY TIME.

The available settings allow perfect bonding of the components giving excellent coupling and eliminating any joint line. The device allows the setting of previous positions by the use of mechanical stops.

⊕ reliability  
⊖ maintenance



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# THICKNESSING PLANER

## FEEDING ROLLERS ON CONNECTING RODS: PERFECT FINISH.

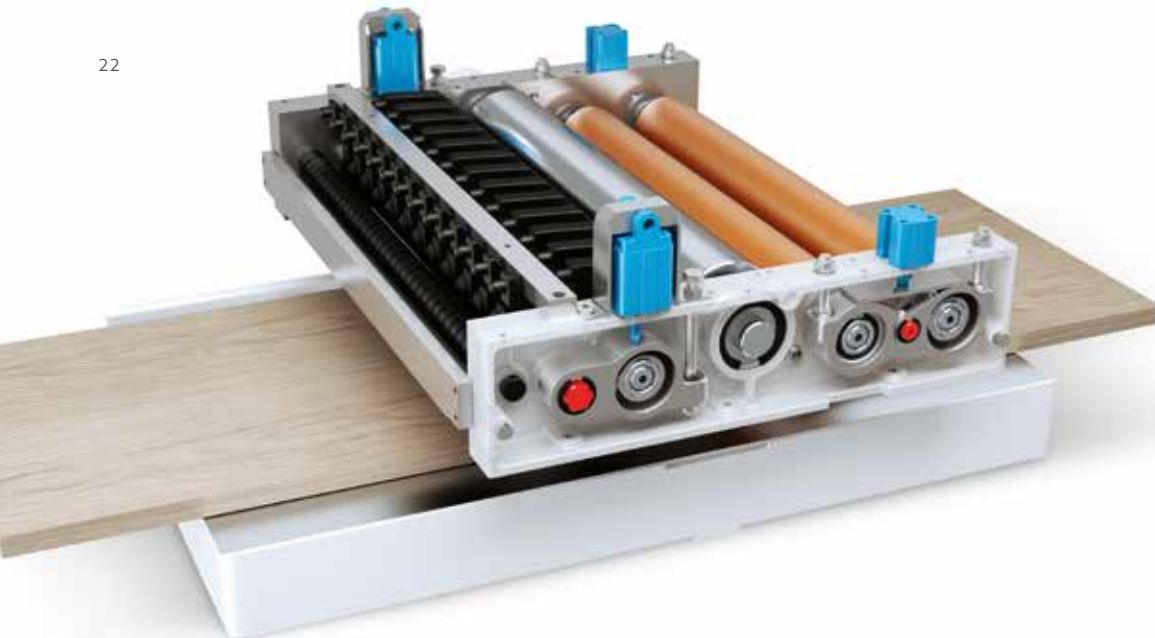
The stopping of the work piece and the presence of notches on its surface are eliminated due to the movement system on all three rollers that allow their vertical displacement by rotation and the best linear feeding.

## INTERCHANGEABLE ROLLERS: ONE MACHINE FOR EVERY REQUIREMENT.

Perfect finish obtained by quick and easy changeover of the rollers that allows the operator to configure the machine drive function in case of special requirements such as a minimum removal of fine wood and/or batches where multiple pieces of different thicknesses are processed.

⊕ quality  
⊖ waste of time

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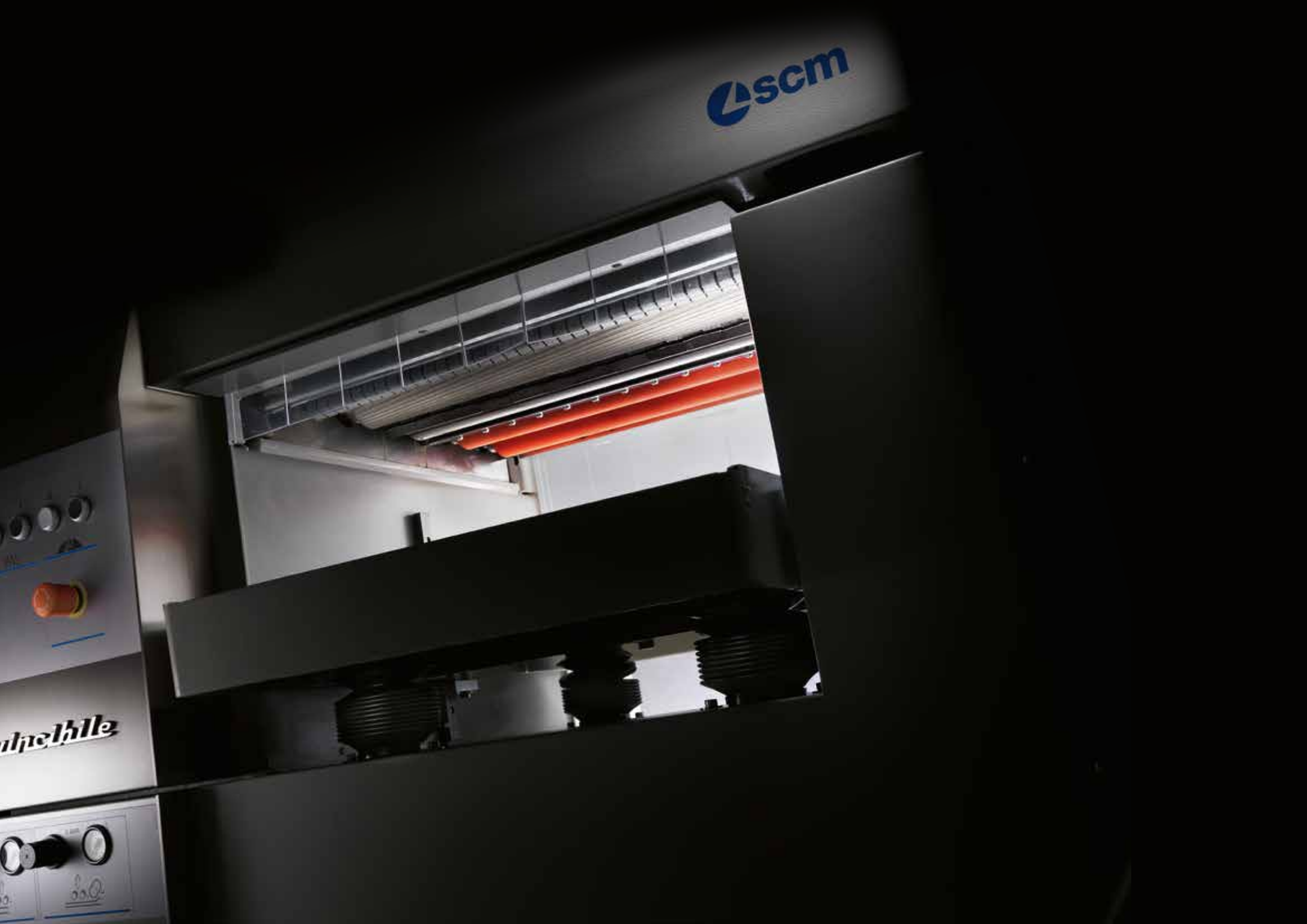


scm

multihile

0 100

0 100



# SURFACE PLANER THICKNESSING PLANER

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<b>Equipment</b>		
Mobile control panel		S
Electrical movement of infeed table		S
Electronic digital readout of thickening cutting depth		S
Concave/convex function		S
Planer protection integrated in the machine base		S
"Smart Lifter" for planer protection integrated in the machine base		O
Additional overturning fence		S
"Tersa" monoblock cutterblock with throwaways knives		O
"Xylent" spiralknife cutterblock		O
<b>Technical data</b>		
Working width	mm	520
Total work table length	mm	3008
Cutterblock diameter	mm	120
No. 4 knives	mm	35x3x520
Surface fence dimensions	mm	1500x175
Main motor power	kW	7

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<b>Equipment</b>		
"Ready" electronic control		S
Automatic positioning of working height		S
Feed speed with electronic adjustment from 4 to 20 m/min		S
First front roller in helicoidal grooved steel		S
First front roller with rubber coating		O
First front roller with two different types of rubber		O
First sectional feed roller in steel		O
No. 2 outfeed rubber-coated rollers		S
Pneumatic pressure with independent adjusting on the front/outfeed rollers		S
No. 2 outfeed rubber-coated rollers		O
"Tersa" monoblock cutterblock with throwaways knives		O
"Xylent" spiralknife cutterblock		O
Thickening table extension to be used in infeed or outfeed		O
<b>Technical data</b>		
Work table dimensions	mm	640x1000
Maximum working height	mm	300
Minimum working height	mm	3,5
Cutterblock diameter	mm	120
No. 4 knives	mm	35x3x640
Feeding rollers diameter	mm	85
Main motor power	kW	9
Feed motor power	kW	1,3

S Standard  
O Option





# SURFACE PLANER THICKNESSING PLANER

## SERVO SYSTEM FOR THE OPENING OF THE TABLES: SPEED, ERGONOMICS AND SAFETY.

Changing the process from surfacing to thicknessing is now easy, safe and effortless due to the two buttons on the front of the machine that, as well as automatically raising the work tables, position the related extraction hood and the safety system.

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⊕ practicality  
⊖ inconveniences

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# SURFACE PLANER THICKNESSING PLANER

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Equipment		
"Ready" electronic control		S
Automatic positioning of working height		S
Speedy set-up for changeover from surfacing to thicknessing		S
First front roller in helicoidal grooved steel		S
First front sectioned steel roller		O
Outfeed rubber-coated roller		S
No. 2 outfeed rubber-coated rollers		O
Additional overturning fence		O
"Tersa" monoblock cutterblock with throwaways knives		O
"Xylent" spiralknife cutterblock		O
Thicknessing table extension to be used in infeed or outfeed		O
Technical data		
Work table dimensions	mm	520x900
Maximum working height	mm	250
Minimum working height	mm	3
Cutterblock diameter	mm	120
Feeding rollers diameter	mm	67
Feed speed	m/min	5-8-12-18
Main motor power	kW	9

S Standard  
O Option



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