

# semi-automatic multiboring machines

Single-head and multi-head machines





# OUR TECHNOLOGY BEHIND YOUR IDEAS

startech - top 35 plus  
top 35e plus - multitech plus

Semi-automatic single-head and  
multi-head boring machines



SEMI-AUTOMATIC BORING

DESIGN

CUTTING

EDGE BANDING

SEMI-AUTOMATIC BORING

CALIBRATING/SANDING

ASSEMBLY

startech 27  
top 35 plus  
top 35e plus  
multitech plus

EXCELLENCE IN  
SEMI-AUTOMATIC BORING





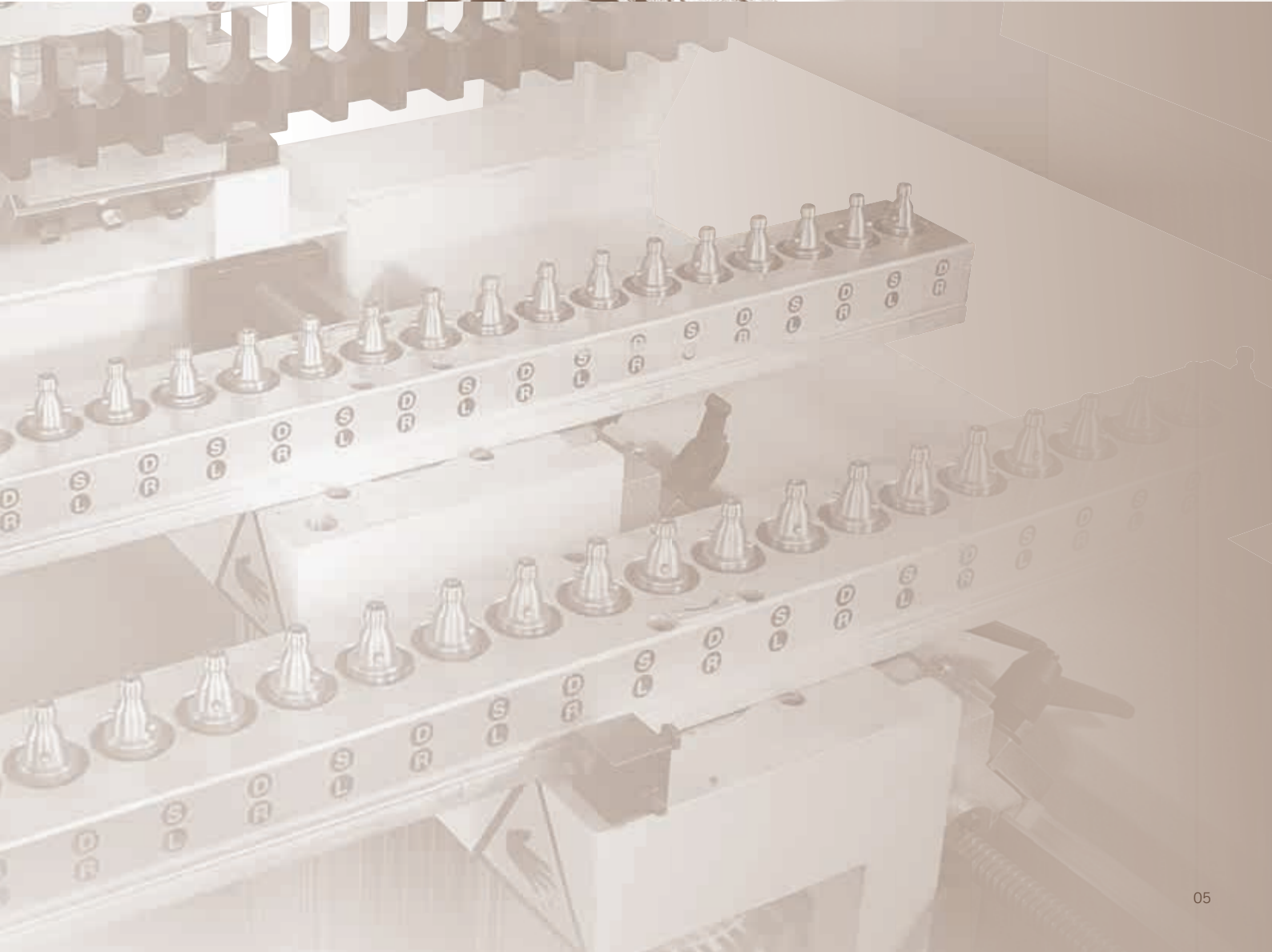
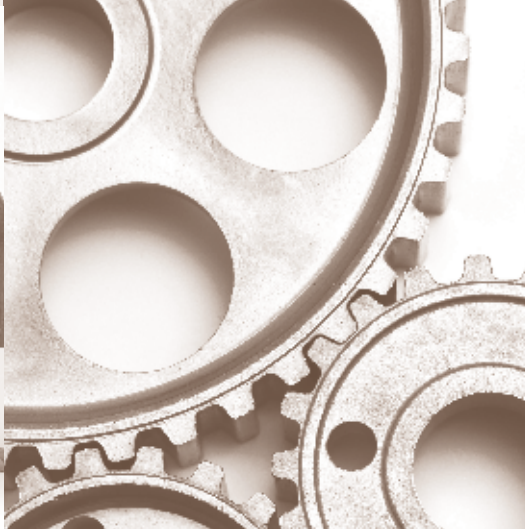
Easy to use,  
versatile, with  
a wide choice  
of options



Reliability for  
life and with  
precision



Productivity  
and flexibility





Easy to use,  
versatile, with  
a wide choice  
of options

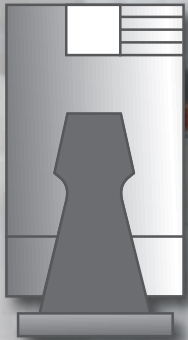
## startech 27



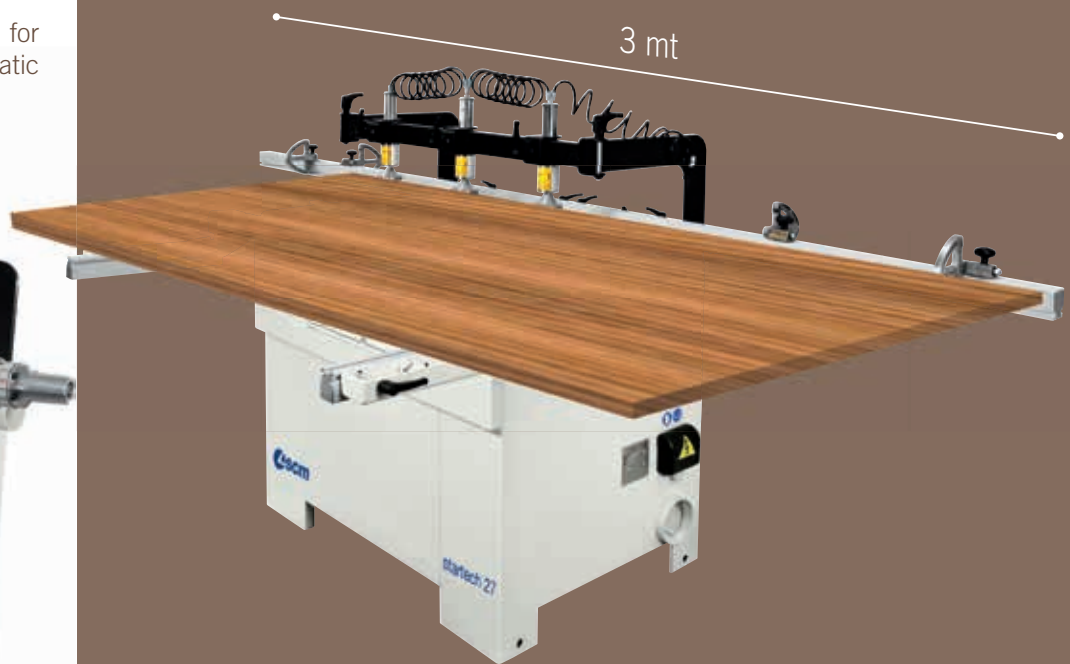
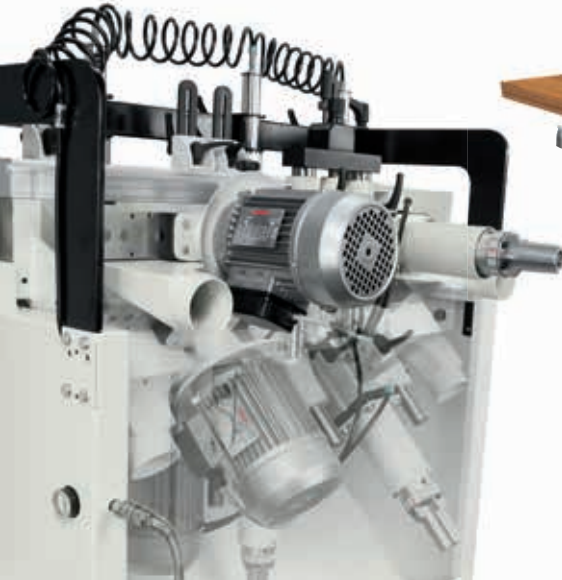
SEMI-AUTOMATIC SINGLE-HEAD  
MULTIBORING MACHINE  
WITH 27 SPINDLES



Rapid set up due to the 27 spindles with quick-release fittings



“Convenient selector, as standard, for the 0 - 45 - 90 automatic pneumatic head rotation”



Versatile, a wide choice of options... intelligent. Right/left guides which can be excluded from the table and L=3metre extensions

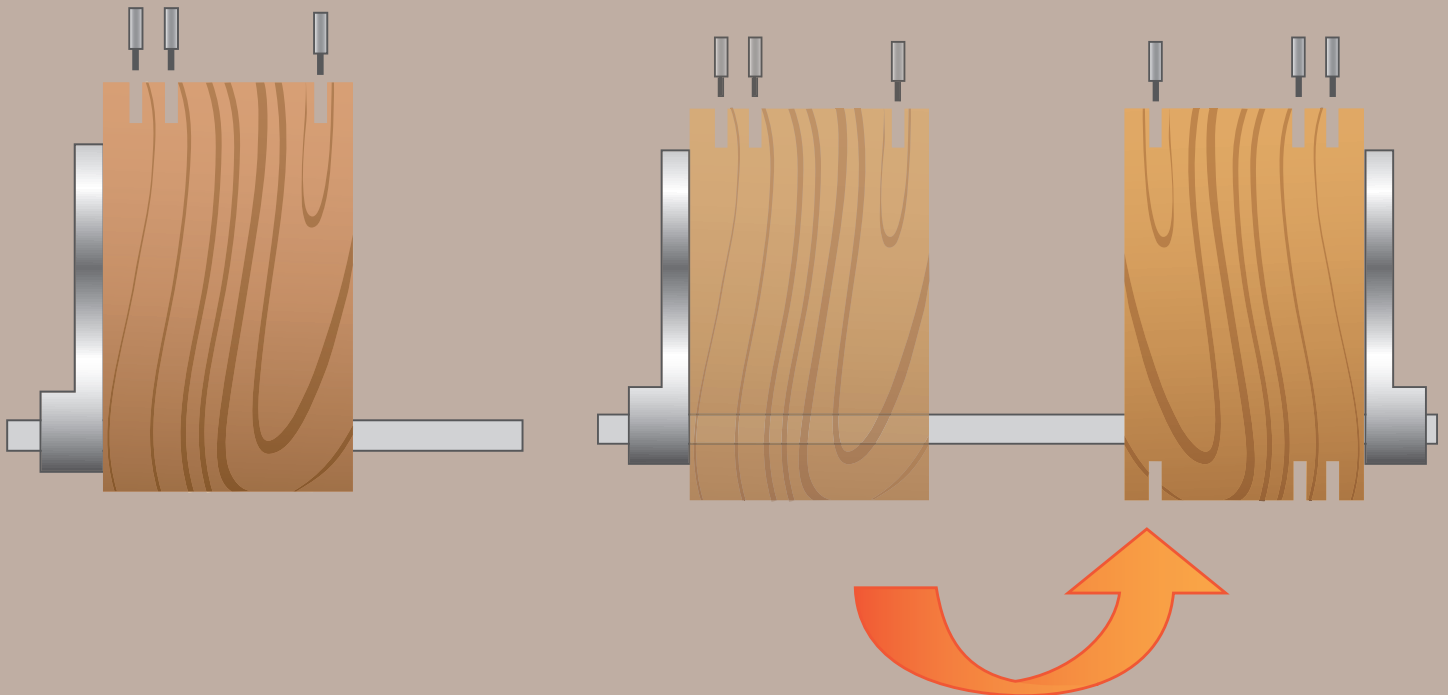


Easy to use,  
versatile, with  
a wide choice  
of options

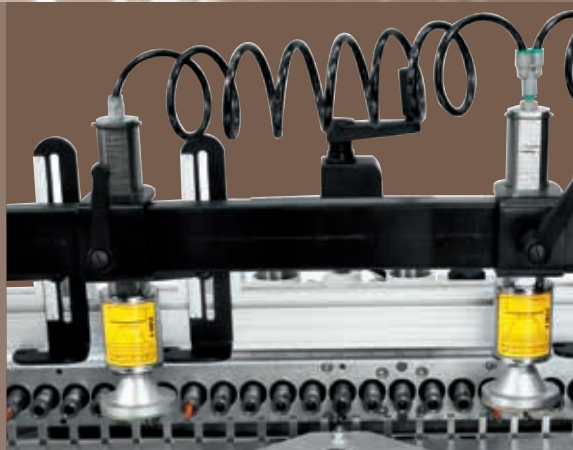
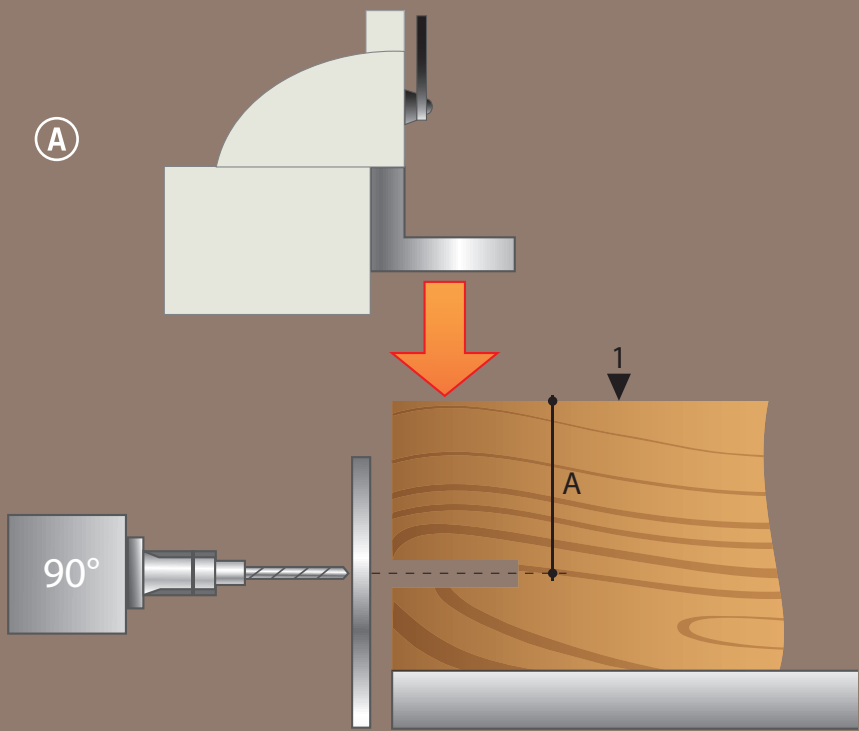
# startech 27

Practical and precise with the nonius decimal scale and micrometric guides travel

The compass, a simple tool for perfect mirror guide positioning

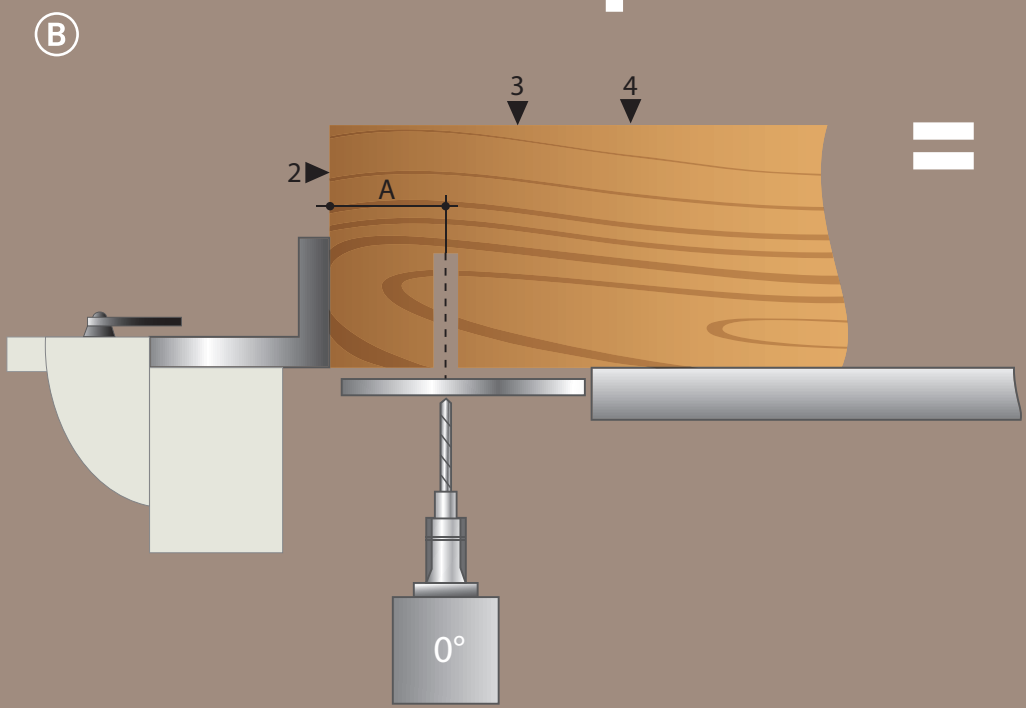




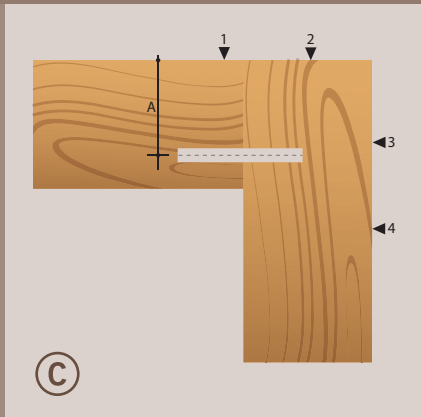


Perfectly aligned joints due to the depth stops with metric rule and work piece locking pistons

+



=





Easy to use,  
versatile, with  
a wide choice  
of options

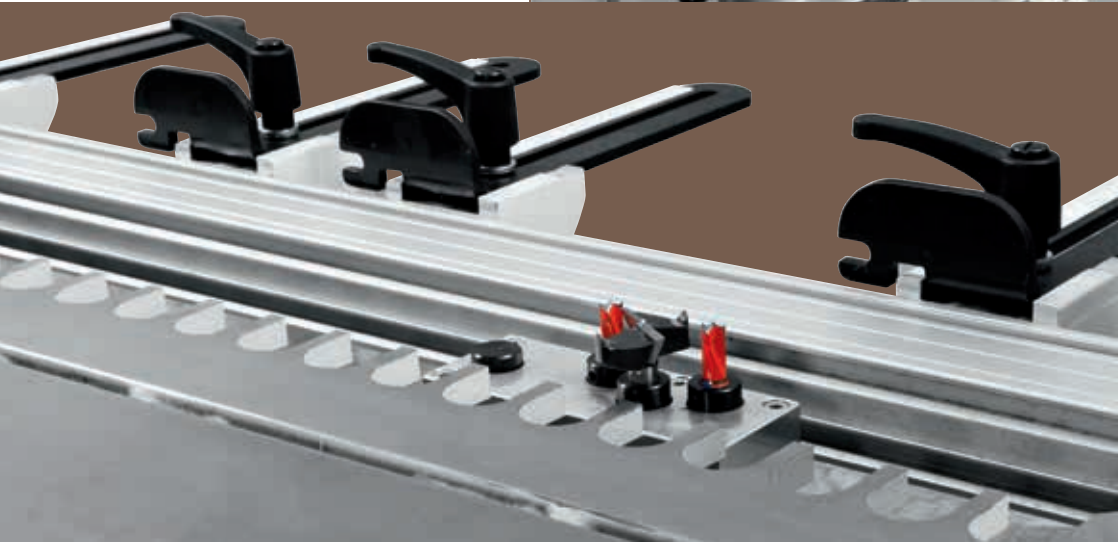
## startech 27



5 position revolving turret for  
always setting the correct  
depth



The workshop is always clean  
using the shaving suction by  
means of an outlet on the  
boring head and air conveyor  
on the base

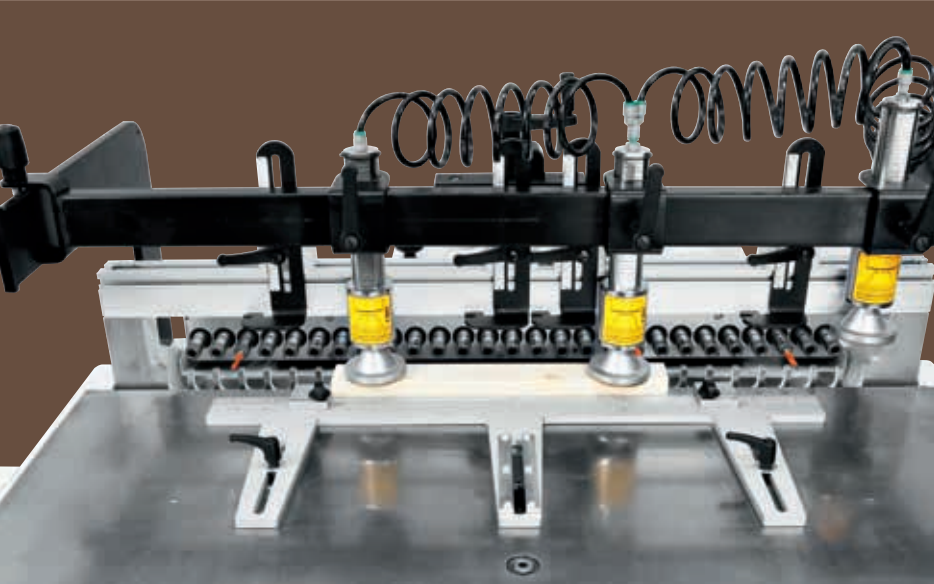


Group for the machining of  
hinges (option)

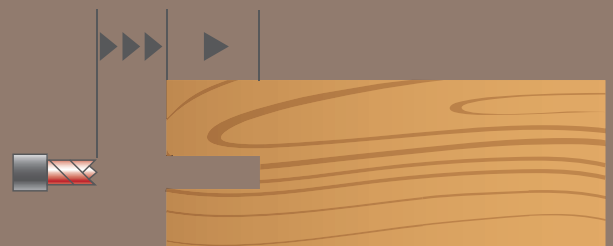




Device for horizontal boring at a 45° angle (option)



Device for boring narrow work pieces (option)



Faster boring with the servo-assisted boring unit down stroke speed adjustment (option)



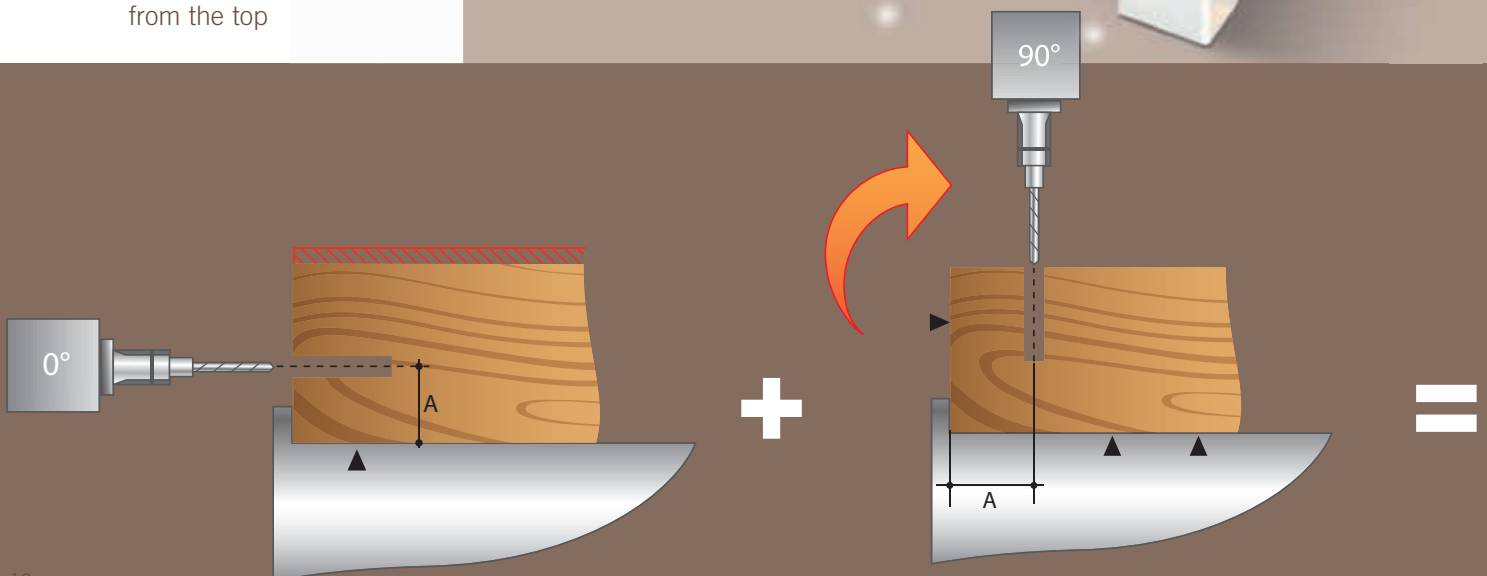
Reliability for  
life and with  
precision

top 35 plus  
top 35e plus

SEMI-AUTOMATIC SINGLE-HEAD  
MULTIBORING MACHINE  
WITH 35 SPINDLES

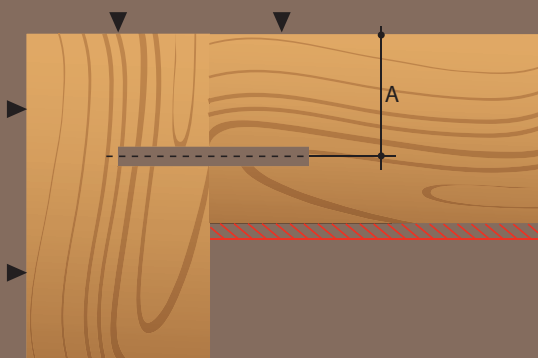


TOP 35 PLUS  
The only borer that drills  
from the top





TOP PLUS 35E PLUS  
The advanced borer with electronic readouts



#### ASSEMBLY HOLE PRECISION

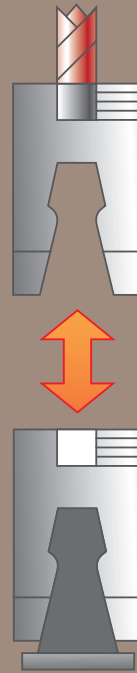
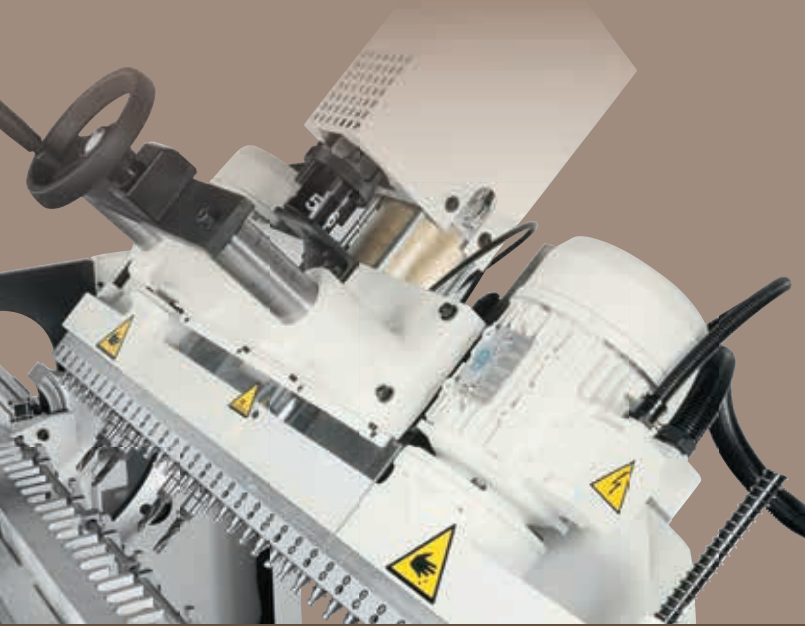
Overhead vertical boring means the Top Plus guarantees a constant, high-standard of boring precision that shows itself later during assembly of the panels. The system uses the outside of the panel as a reference and thus any differences in thickness are on the inside of the cabinet



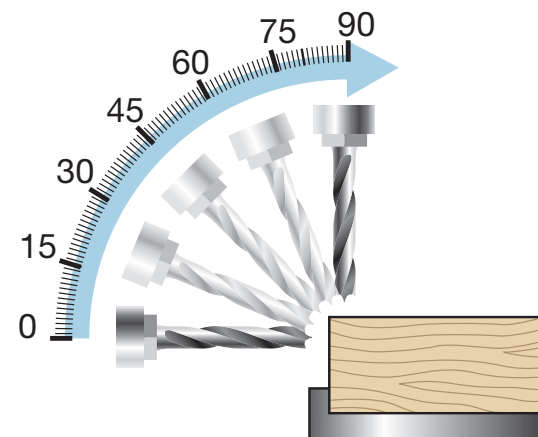
Reliability for  
life and with  
precision

# top 35 plus top 35e plus

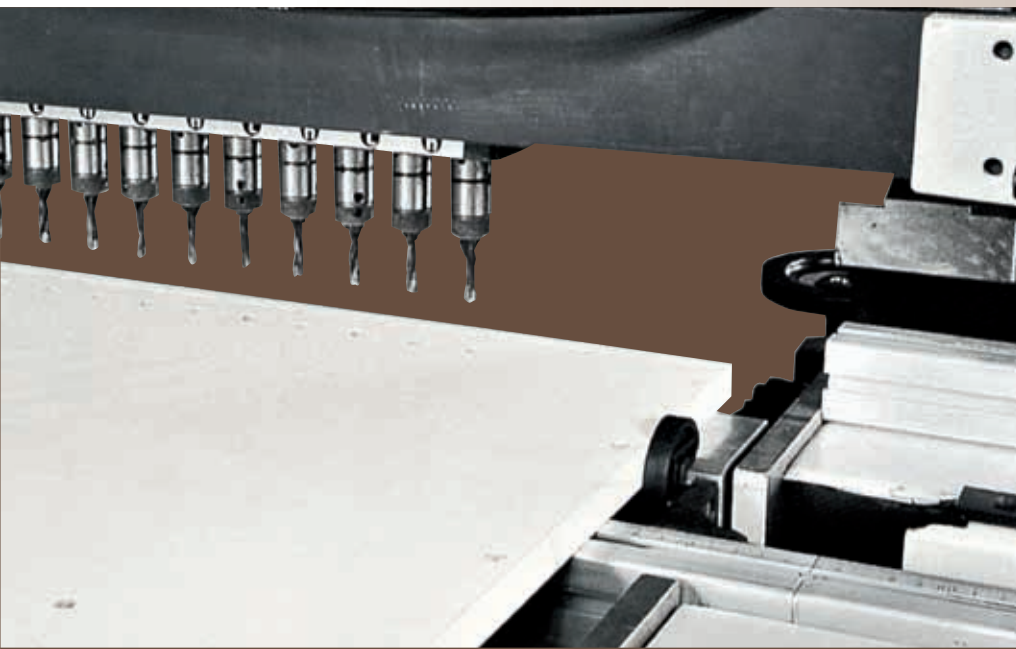
Boring head with 35 spindles with  
quick-release fitting and 8 standard bushes



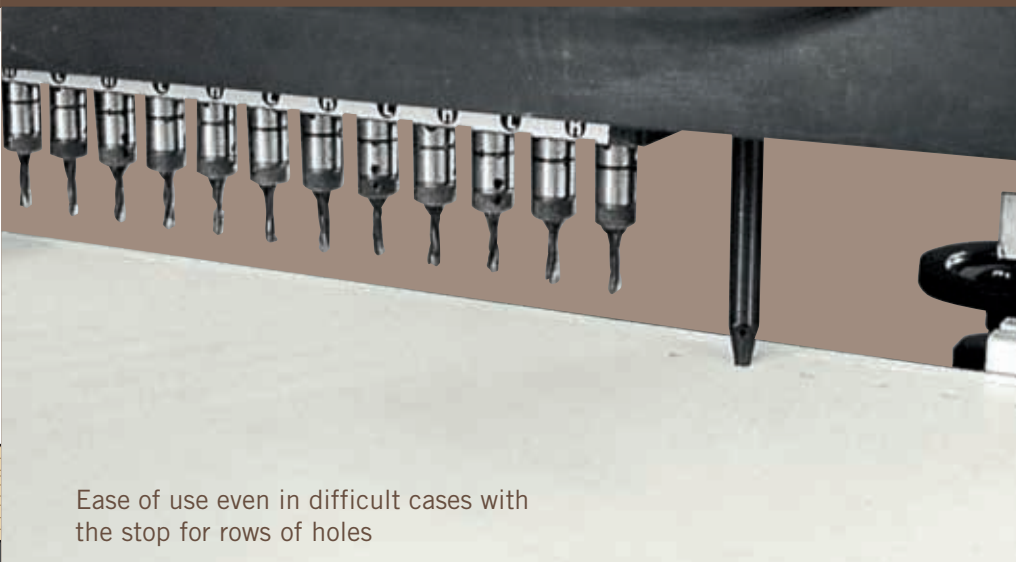
Strong and long-lasting machine  
exploiting all the power of having  
two motors



The best performance with powered  
tilting which allows the positioning for  
all angles from 0° to 90°



6 position revolving turret and mechanical stops on the work table provide speed and precision



Ease of use even in difficult cases with the stop for rows of holes



Hydraulic brake for a more precise boring speed control in reduced cycle times (option)



2 guides L=1500 and 4 retractable stops (option)



Frame for boring narrow work pieces (option)



Frame for boring at a 45° angle (option) ▶



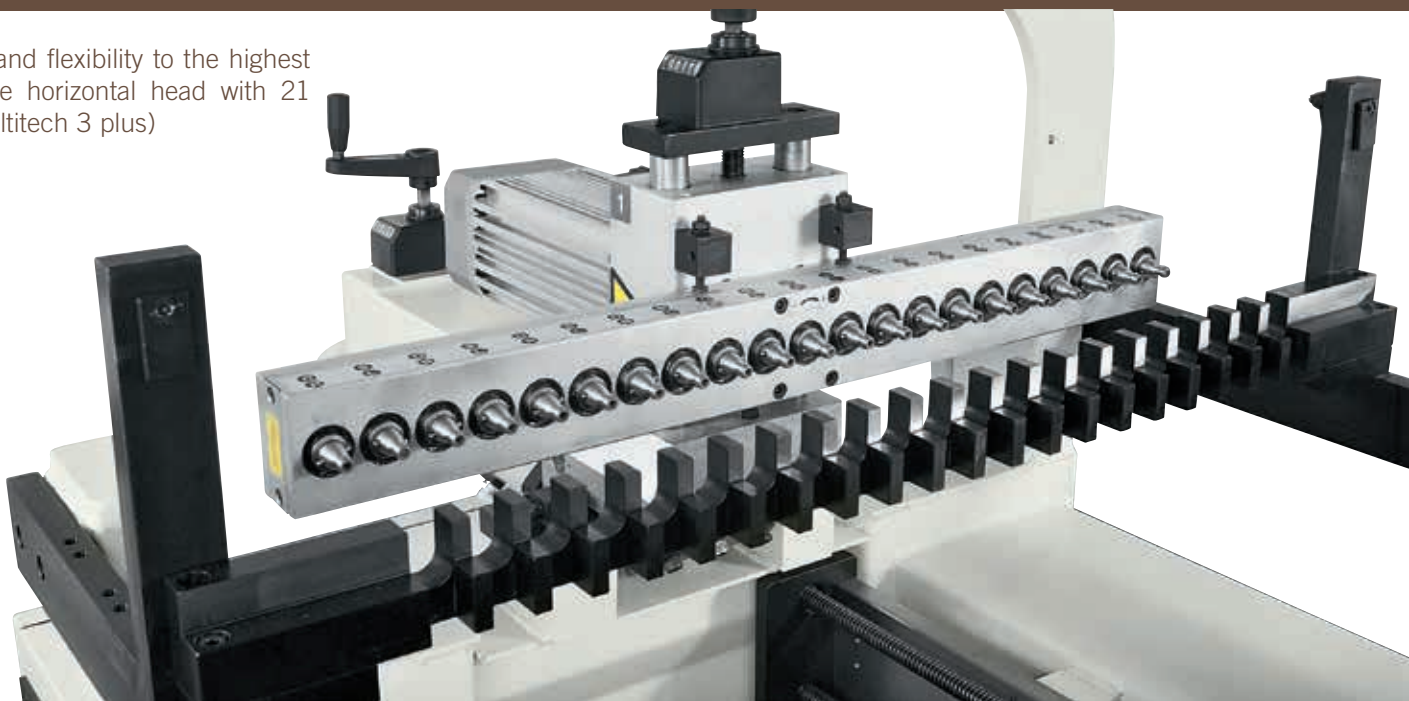
Productivity  
and flexibility

# multitech plus

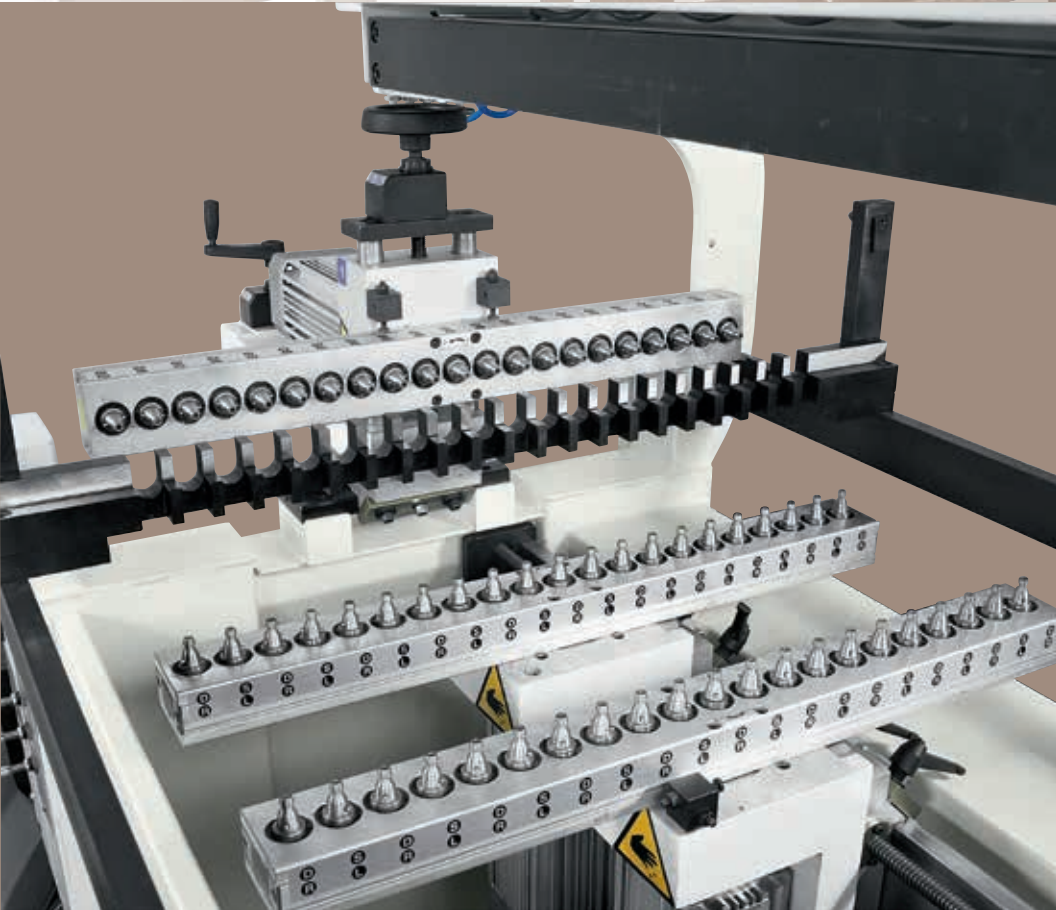
SEMI-AUTOMATIC MULTI-HEAD  
BORING MACHINE FOR  
HORIZONTAL AND VERTICAL  
BORING



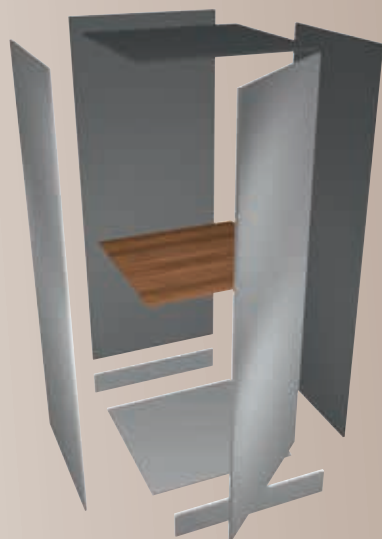
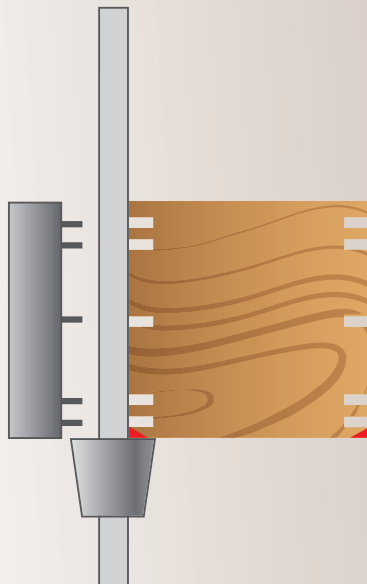
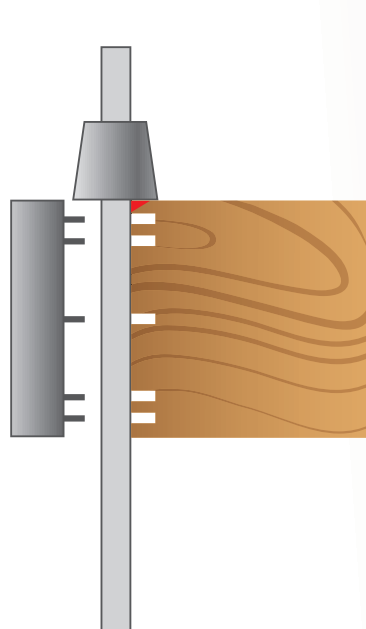
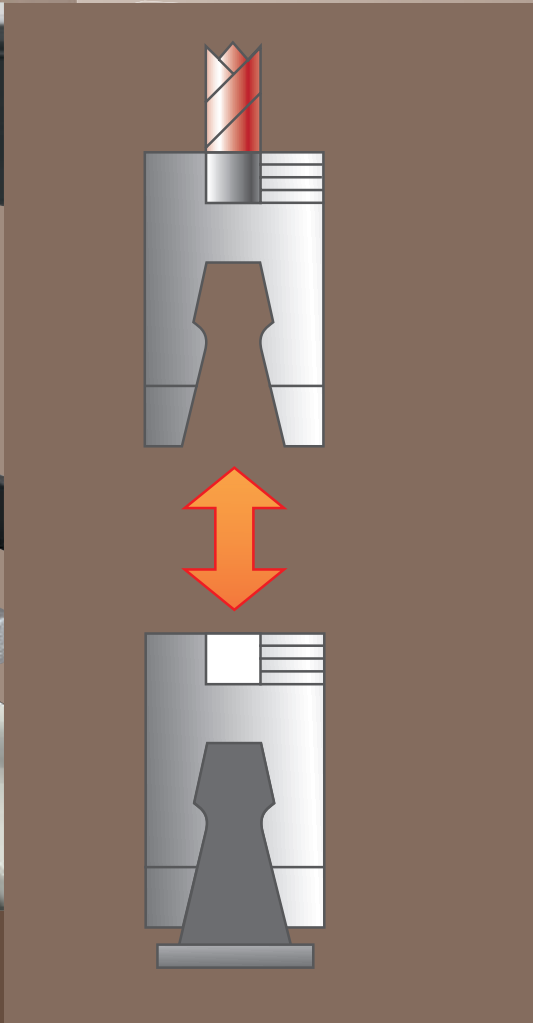
Productivity and flexibility to the highest  
level with the horizontal head with 21  
spindles (multitech 3 plus)







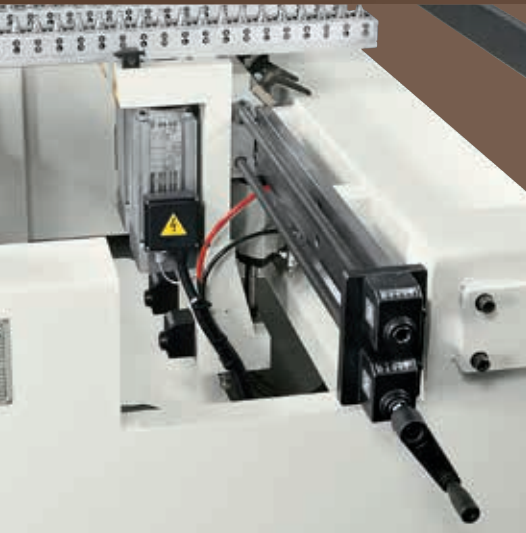
Easier set up thanks to the head with 21 spindles with quick-release fitting



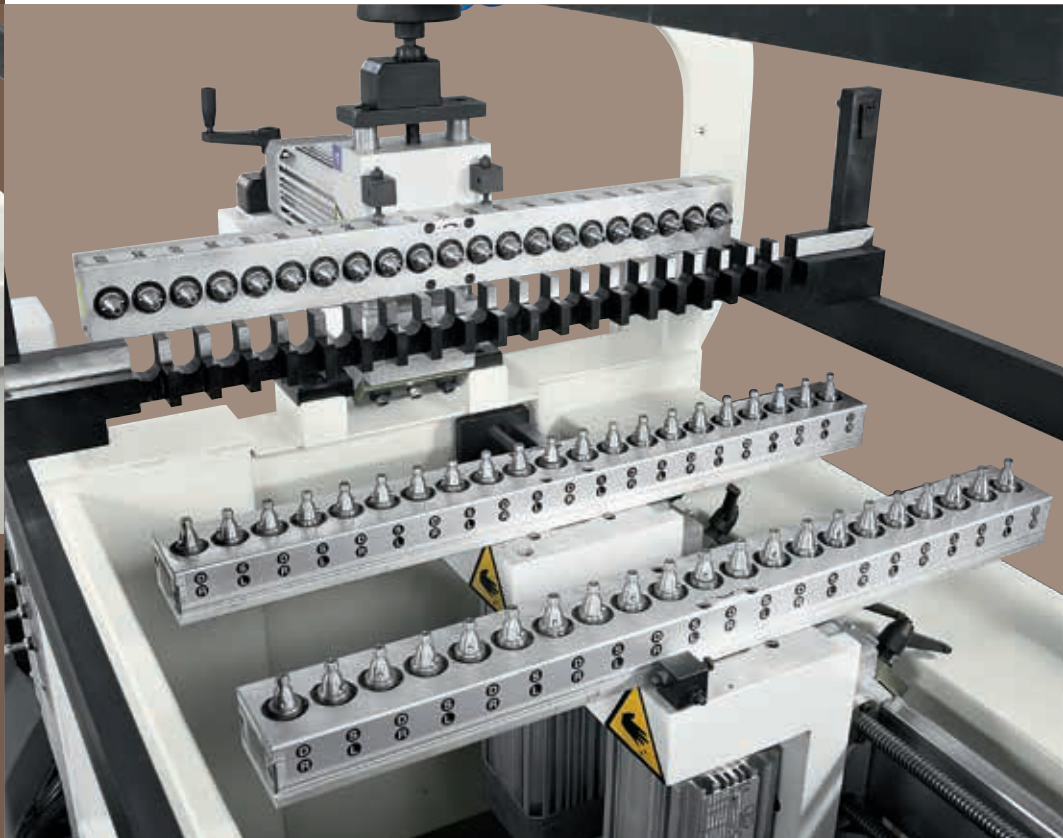


Productivity  
and flexibility

# multitech plus



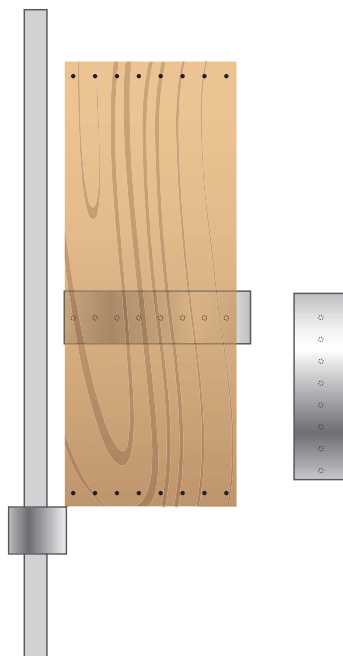
Quick and precise head positioning through screws and mechanical digital readouts



Very high flexibility thanks to the possibility of rotating the heads at 90°

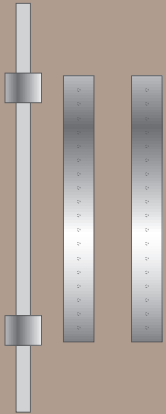


The "maximum" ...available as standard. Reference guides with 3metre total length with 4 pneumatic stops





MULTITECH 2 PLUS



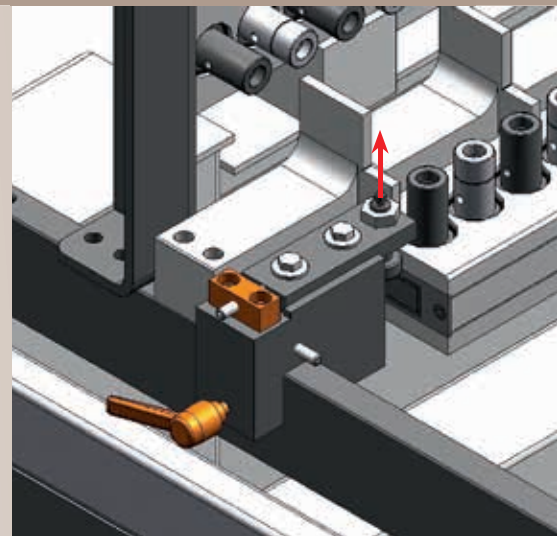
VERTICAL BORING



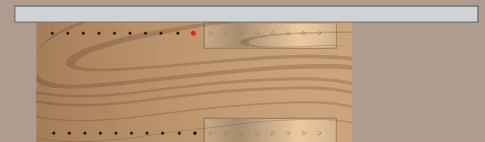
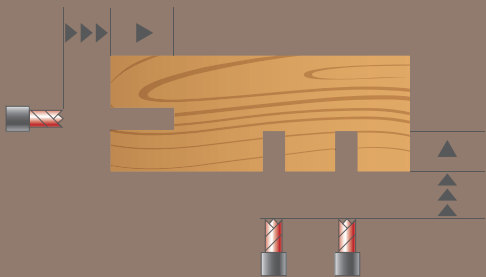
HORIZONTAL BORING



▶ Faster boring with the oleodynamic brakes on all heads (option)



Perfectly aligned rows of holes ▶ through the pin used for restarting the boring (option)





**startech 27**  
**top 35 plus**  
**top 35e plus**  
**multitech**

## TECHNICAL DATA

### startech 27

Spindles	no.	27
Distance between spindles	mm	32
Spindle speeds	rpm	3000
Spindles motor power	kW (Hp)	1,5(2)
Max. stroke of boring unit	mm	63
Max. panel width under the "gantry structure"	mm	1.025
Min. panel thickness	mm	10
Max. panel thickness	mm	60
Compressed air pressure	bar	6
Compressed air consumption	nl/cycle	3,6
Exhaust outlets diameter	mm	120 + 60 + 60
Exhaust air speed	m3/hr	1220 + 300 +300
Worktable height from floor	mm	900
Machine weight	Kg	370

### top 35 plus / top 35e plus

Spindles	no.	35
Distance between spindles	mm	32
Spindle speeds	rpm	2800
Max. stroke of boring unit	mm	127
Max. panel width under the "gantry structure"	mm	1.280
Motor power	kW (Hp)	4,4 (6)
Rotation gear motor power	kW (Hp)	0,25 (0,35)
Pneumatic system operating pressure	bar	6
Air consumption	nl/cycle	12
Hydraulic brake stroke	mm	50
Work table height	mm	840
Machine weight	Kg	690

### multitech plus

Spindles	no.	21+21	21 +21 +21
Centre distance between spindles	mm	32	32
Spindle speeds	rpm	2800	2800
Max. boring unit stroke	mm	90	90
Max. panel width under the "gantry structure"	mm	1200	1200
Motor power	kW (Hp)	1,1 (1,5)	1,1 (1,5)
Pneumatic system operating pressure	bar	6 - 8	6 - 8
Air consumption	nl/cycle	450	450
Hydraulic brake stroke	mm	50	50
Work table height	mm	910	910
Machine weight	Kg	700	750

### multitech 2

### multitech 3



The technical data can vary according to the requested machine composition. In this catalogue, machines are shown with options. The company reserves the right to modify technical specifications without prior notice; the modifications do not influence the safety foreseen by the CE Norms

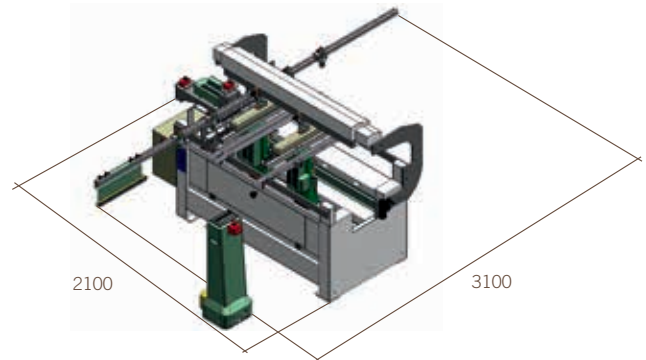
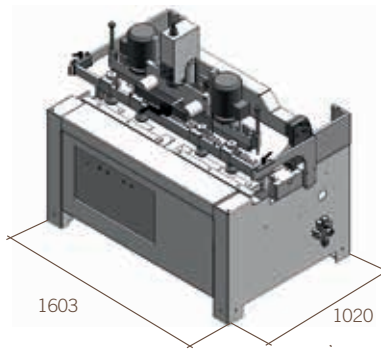
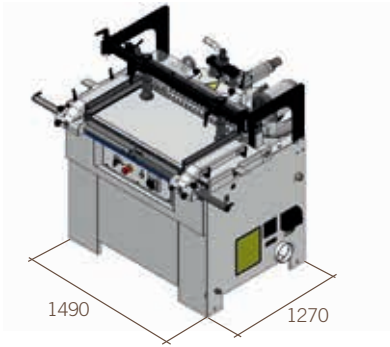


# OVERALL DIMENSIONS

**startech 27**

**top 35 plus / top 35e plus**

**multitech plus**



## NOISE LEVEL

### startech 27 boring machine

Functions: Boring a chipboard panel

		Reference standard	Uncertainty factor K	Boring LAV
Low noise level at operator station – dB (A) and peak level [dB (C)]	Operator station	EN ISO 11202:1995	5,0	85,5 [109,2]
	Input			
LW: Emitted noise level dB(A)		EN ISO 3746:1995	4,0	92,2

The maximum instantaneous noise level pressure is under 130 dB (C)

LAV: in operation

### top 35 plus boring machine

Operating conditions: Boring

Reference standard: ISO3744-94 and ISO11201-91

	Equal level LAeq dB (A)	Max. level Lpeak dB
Operator station: no operation	83,3	<130
Operator station: in operation	80,4	<130

### multitech plus boring machine

Operating conditions: boring

Reference standard: ISO 3744-94 e ISO 11201-97

	Equal level LAeq dB (A)	Max.level Lpeak dB
Operator station: no operation	86,0	<130
Operator station: in operation	83,7	<130



# THE STRONGEST WOOD 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

**17.000** machines manufactured per year

**90%** export

**20** foreign branches

**350** 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

## SCM GROUP, A HIGHLY SKILLED TEAM EXPERT IN INDUSTRIAL

### 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

# TECHNOLOGIES



equipment and components for machining the widest range of materials.

## MACHINES AND COMPONENTS

### INDUSTRIAL COMPONENTS

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

**HITECO**

SPINDLES AND TECHNOLOGICAL  
COMPONENTS

**Les**

ELECTRIC PANELS

**steelmec**

METALWORK

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woodworking technology

*is more*



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