









balestrini sectorial machines

tenoners - mortisers - double sided shapers



		OPERATIONS:	APPLICATIONS:
BALESTRINI MICRON Automatic twin-table slot mortiser		<ul style="list-style-type: none"> • Mortising 	<ul style="list-style-type: none"> • Legs for chairs and tables
BALESTRINI PICO Automatic twin-table tenoner		<ul style="list-style-type: none"> • Tenoning 	<ul style="list-style-type: none"> • Legs for chairs and tables
BALESTRINI PICO CN CNC Twin-table tenoner		<ul style="list-style-type: none"> • Tenoning 	<ul style="list-style-type: none"> • Legs for chairs and tables
BALESTRINI PICO MD2 CNC Tenoner-Mortiser for Miter Door joint		<ul style="list-style-type: none"> • Tenoning and mortising for Miter Door joint 	<ul style="list-style-type: none"> • Kitchen doors
BALESTRINI PICO MD3 CNC Tenoner-Mortiser for Miter Door and French joints		<ul style="list-style-type: none"> • Tenoning and mortising for Miter door and French joints 	<ul style="list-style-type: none"> • Kitchen doors
BALESTRINI PICO OM CNC Tenoner-Mortiser		<ul style="list-style-type: none"> • Tenoning • Mortising • Drilling 	<ul style="list-style-type: none"> • Legs and backs for chairs
BALESTRINI FOX CNC Double Tenoner-Mortiser		T PLUS <ul style="list-style-type: none"> • Tenoning • Mortising • Drilling <hr/> LYNX <ul style="list-style-type: none"> • Tenoning and mortising for Miter Door joint 	<ul style="list-style-type: none"> • Legs and backs for chairs • Elements of tables, sofas and beds <hr/> <ul style="list-style-type: none"> • Kitchen doors
BALESTRINI CP CNC Double sided shaper		<ul style="list-style-type: none"> • Double sided shaping 	<ul style="list-style-type: none"> • Elements of chairs, tables, sofas and beds

BALESTRINI MICRON

AUTOMATIC TWIN-TABLE SLOT MORTISER

Dual opposing spindles mortising machine. It cuts horizontal or angled mortise slots using oscillating bits.



TECHNICAL DATA		
MACHINING FEATURES		
Mortise dimensions	Length max.	120 mm + thickness
	Thickness max.	6 ÷ 16 mm (double with interpolation)
	Depth max.	60 mm
Operating unit	Power	2.2 kW
	Rotation speed max.	9000 rpm
	Standard drill bit diameter	10 mm ø 3/8"
Worktables	Dimensions	230 x 480 mm
	Tilt	0 ÷ -20 °
Maximum productivity	Mortises/h	800

BALESTRINI PICO CN

CNC TWIN-TABLE TENONER

Numerical control double table tenoning machine. It can perform horizontal, vertical and angled round-end and rectangular tenons.



TECHNICAL DATA		
WORKABLE PIECE FEATURES		
Workpiece section with horizontal tables	Max.	170 x 70 mm
	Min.	10 x 10 or 15 x 8 mm
Workpiece length	Min.	100 mm
MACHINING FEATURES		
Tenon dimensions	Vertical tenon length max.	100 mm + thickness
	Horizontal tenon length max.	160 mm + thickness
	Thickness max.	4 ÷ 30 mm
	Depth max.	50 mm
	Tilt	0 ÷ 90°
Operating unit	Power	3 kW
	Rotation speed max.	9000 rpm
	Cutter diameter max.	70 mm
	Hogger diameter max.	120 mm
Maximum productivity	Tenons/h	720

BALESTRINI PICO

AUTOMATIC TWIN-TABLE TENONER

Double table round-end tenoning machine. It can perform horizontal, vertical and angled round-end tenons.



TECHNICAL DATA		
WORKABLE PIECE FEATURES		
Workpiece section with horizontal tables	Max.	170 x 70 mm
	Min.	10 x 10 or 15 x 8 mm
Workpiece length	Min.	100 mm
MACHINING FEATURES		
Tenon dimensions	Length max.	100 mm + thickness
	Thickness max.	4 ÷ 30 mm
	Depth max.	50 mm
	Tilt	0 ÷ 90°
Operating unit	Power	3 kW
	Rotation speed max.	9000 rpm
	Cutter diameter max.	70 mm
	Hogger diameter max.	120 mm
Maximum productivity	Tenons/h	800



BALESTRINI PICO MD2

CNC TENONER-MORTISER FOR MITER DOOR JOINT

Numerical control tenoning and mortising machine. It can perform: **Miter door**, a 45° tenon-mortise slot joint. Ideal for kitchen doors.

TECHNICAL DATA		
WORKABLE PIECE FEATURES		
Workpiece section	Max.	110 x 30 mm
Workpiece length	Min.	100 mm
MACHINING FEATURES		
Tenon dimensions	Length max.	140 mm + thickness
	Thickness max.	30 mm
	Depth	5 ÷ 30 mm
	Length max.	140 mm + thickness
Mortise dimensions	Thickness max.	16 mm (double with interpolation)
	Depth max.	30 mm
Worktable dimensions		900 x 320 mm
Maximum productivity	Workpieces/h	200
OPERATING UNITS		
Tenoning unit	Power	4,5 kW
	Rotation speed	9000/12000 rpm
	Cutter diameter max.	70 mm
	Hogger diameter max.	100 mm
	Power	2,5 kW
Mortising unit	Rotation speed	12000/18000 rpm
	Standard drill bit diameter	10 mm o 3/8"



BALESTRINI PICO MD3

CNC TENONER-MORTISER FOR MITER DOOR AND FRENCH JOINTS

Numerical control tenoning and mortising machine. It can perform:

- **Miter door**, a 45° tenon-mortise slot joint
- **French Joint**, a 90° tenon-mortise slot joint.

Ideal for kitchen doors.



TECHNICAL DATA		
WORKABLE PIECE FEATURES		
Workpiece section	Max.	78 x 30 mm
	Min.	38 x 20 mm
Workpiece length	Min.	150 mm
MACHINING FEATURES		
Tenon dimensions	Length max.	75 mm
	Thickness max.	20 mm
	Depth	5 ÷ 15 mm
	Length max.	75 mm
Mortise dimensions	Thickness max.	16 mm (double with interpolation)
	Depth max.	30 mm
Worktable dimensions		900 x 320 mm
Maximum productivity	Workpieces/h	200
OPERATING UNITS		
Tenoning unit	Power	4 kW
	Rotation speed	9000/12000 rpm
	Cutter diameter max.	60 mm
	Hogger diameter max.	80 mm
	Sawblade diameter max.	100 mm
	Power	2 kW
Mortising unit	Rotation speed	12000/18000 rpm
	Standard drill bit diameter	10 mm o 3/8"



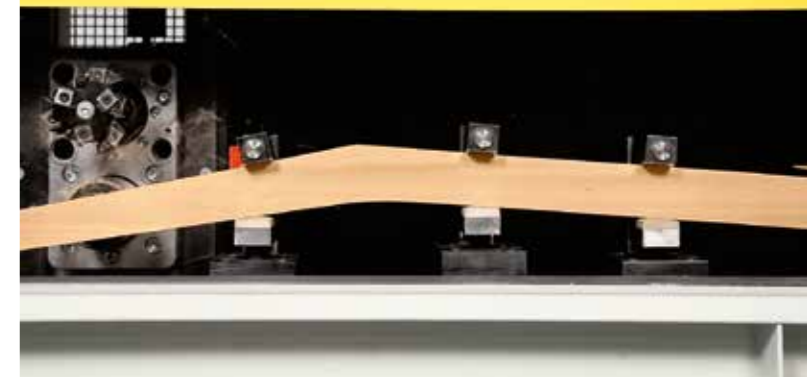
BALESTRINI PICO OM

CNC TENONER-MORTISER

Compact numerical control tenoning-mortising machine,
ideal for chairs manufacture.

According to the tables equipment, it can perform:

- Mortising and drilling operations on chair legs
- Tenoning operations on chair backs and crosspieces.



TECHNICAL DATA		
WORKABLE PIECE FEATURES		
Workpiece section	Max. with cut at 45°	140 x 60 mm
	Max. with cut at 0°	200 x 70 mm
Workpiece length	Min.	100 mm
MACHINING FEATURES		
Tenon dimensions	Length max.	160 mm + thickness
	Thickness max.	20 mm
	Depth	30 mm
	Tilt	0 ÷ 90°
Mortise dimensions	Length max.	600 mm
	Thickness max.	16 mm (double with interpolation)
	Depth max.	30 mm
OPERATING UNITS		
Tenoning unit	Power	4 kW
	Rotation speed	12000/18000 rpm
	Cutter diameter max.	60 mm
	Hogger diameter max.	80 mm
Mortising unit	Power	2 kW
	Rotation speed	12000/18000 rpm
	Standard drill bit diameter	10 mm o 3/8"
WORKTABLES		
Worktables for tenoning	N°	2
	Dimensions	360 x 315 mm
	Longitudinal tilt	-5 ÷ 15°
	Workpiece support guide regulation	0 ÷ 45°
Worktables for mortising	N°	3
	Dimensions	25 x 60 mm
	Worktable interaxis min.	100 mm
	Worktable interaxis max.	1000 mm



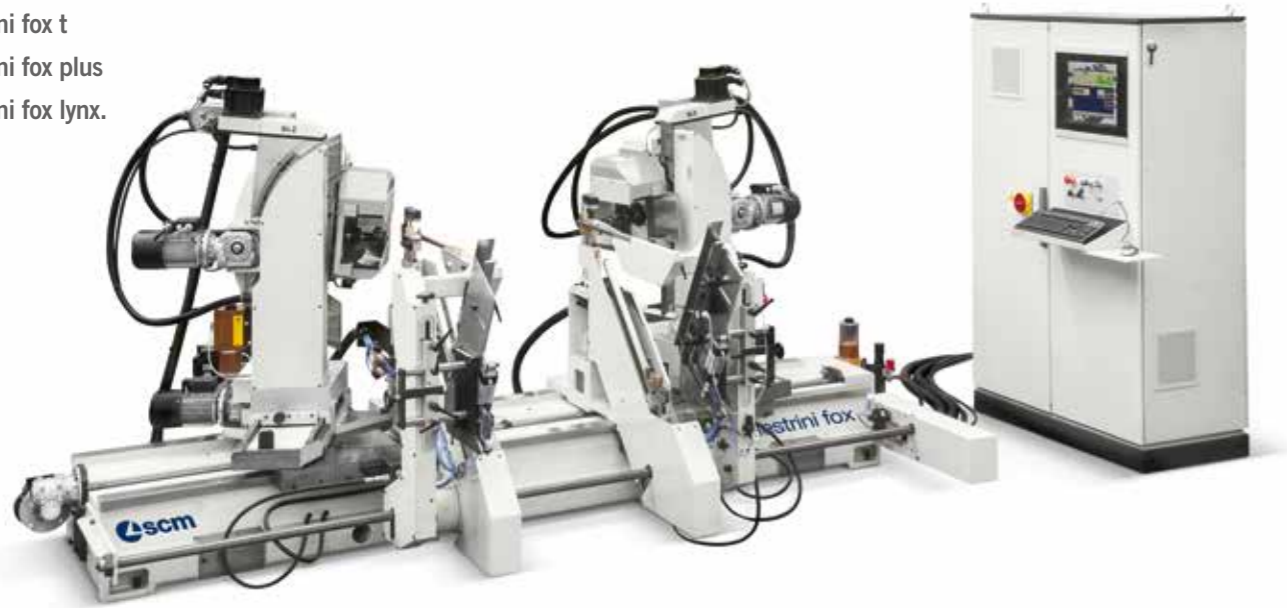
BALESTRINI FOX

CNC DOUBLE TENONER-MORTISER

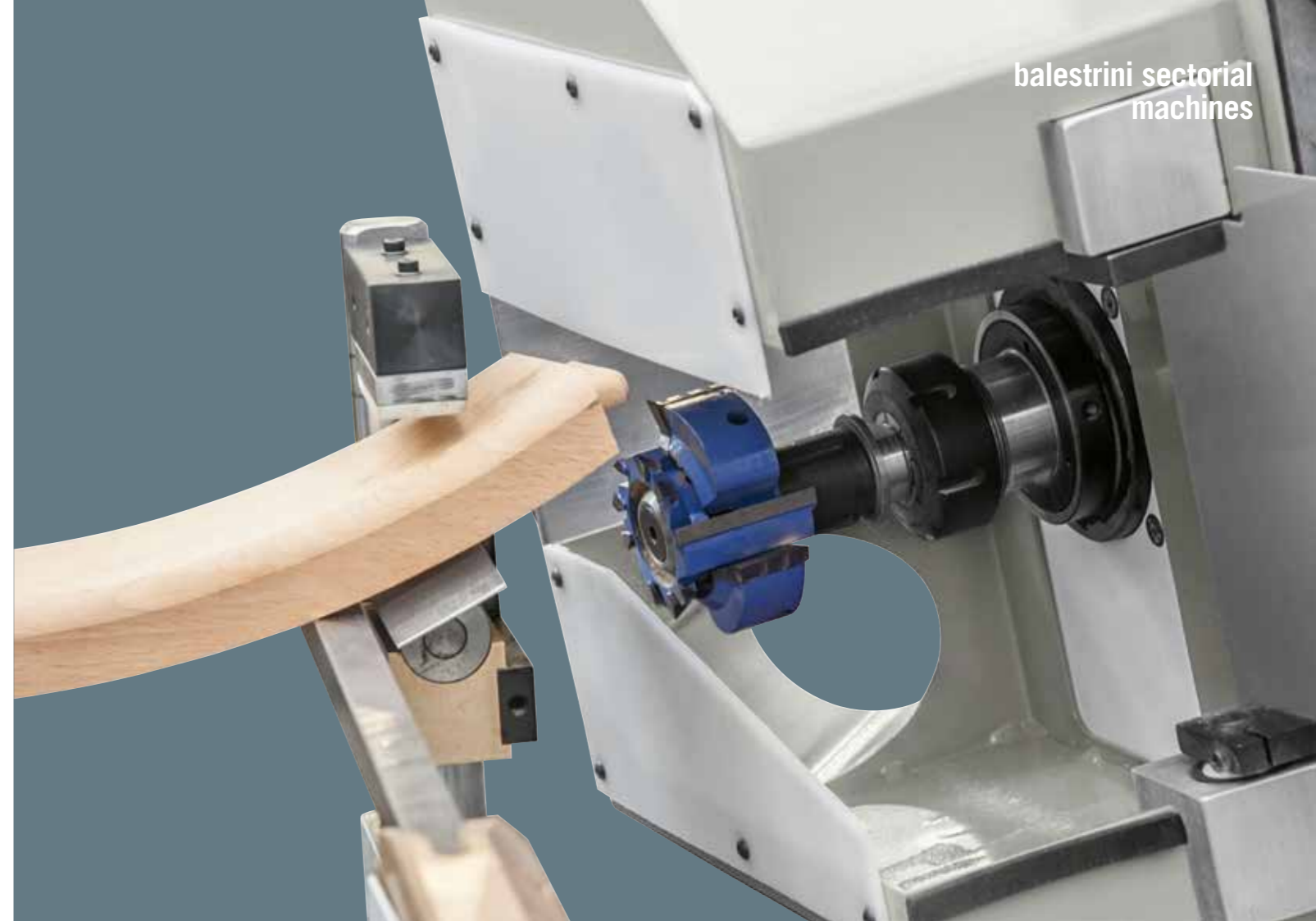
Range of double tenoning-mortising machines, for operations on both ends of the workpiece.

Balestrini fox includes the following versions:

- balestrini fox t
- balestrini fox plus
- balestrini fox lynx.



balestrini sectorial
machines



TECHNICAL DATA		BALESTRINI FOX T	BALESTRINI FOX PLUS	BALESTRINI FOX LYNX
WORKABLE PIECE FEATURES				
Machine sizes	Width x length x height	3900 x 1900 x 2500 mm	3900 x 1900 x 2500 mm	4500 x 2450 x 1900 mm
Workpiece section	Width x thickness	Min. 10 x 10 mm	Min. 10 x 10 mm	Min. 75 x 25 mm
MACHINING FEATURES				
Tenon dimensions	Thickness x length x depth	30 x 80 x 50 mm	30 x 80 x 50 mm	30 x 80 x 30 mm
Mortise dimensions	Length x depth	-	80 x 50 mm	80 x 30 mm
Cut angle	Heads rotation	-22,5 ÷ 45°	-22,5 ÷ 45°	-
	Heads tilt	-20 ÷ 45°	-20 ÷ 45°	-
Automatic loader controlled by CN	Min./Max. workpiece length	200/2000 mm	200/2000 mm	100/2000 mm
	Maximum weight on the loading station	20 kg	20 kg	20 kg
Maximum productivity	With loader	1300 workpieces/h	1300 workpieces/h	400 workpieces/h
OPERATING UNITS				
Tenoning unit	N°	2	2	2
	Power	4,5 kW	4,5 kW	4,5 kW
	Rotation speed	9000/12000 rpm	9000/12000 rpm	9000/12000 rpm
	Cutter diameter max.	60 mm	60 mm	60 mm
	Hogger diameter max.	80 mm	80 mm	80 mm
Mortising unit	N°	-	2	1
	Power	-	2,2 kW	2,2 kW
	Rotation speed	-	12000/18000 rpm	12000/18000 rpm
	Standard drill bit diameter	-	10 mm or 3/8"	10 mm or 3/8"



BALESTRINI CP

CNC DOUBLE SIDED SHAPER

balestrini sectorial
machines

Numerical control double sided shaper for profiling operations on longilineal workpieces, such as legs of chairs and tables. It can be equipped with routing and sanding units to produce elements with a perfect finish quality.



TECHNICAL DATA

N° Operating units	4 / 6 / 8
Machining length max.	2450 / 3450 mm
Machining width max.	400 mm
Machining height max.	180 mm
Feed speed max.	50 m/min
Carriage return speed	100 m/min

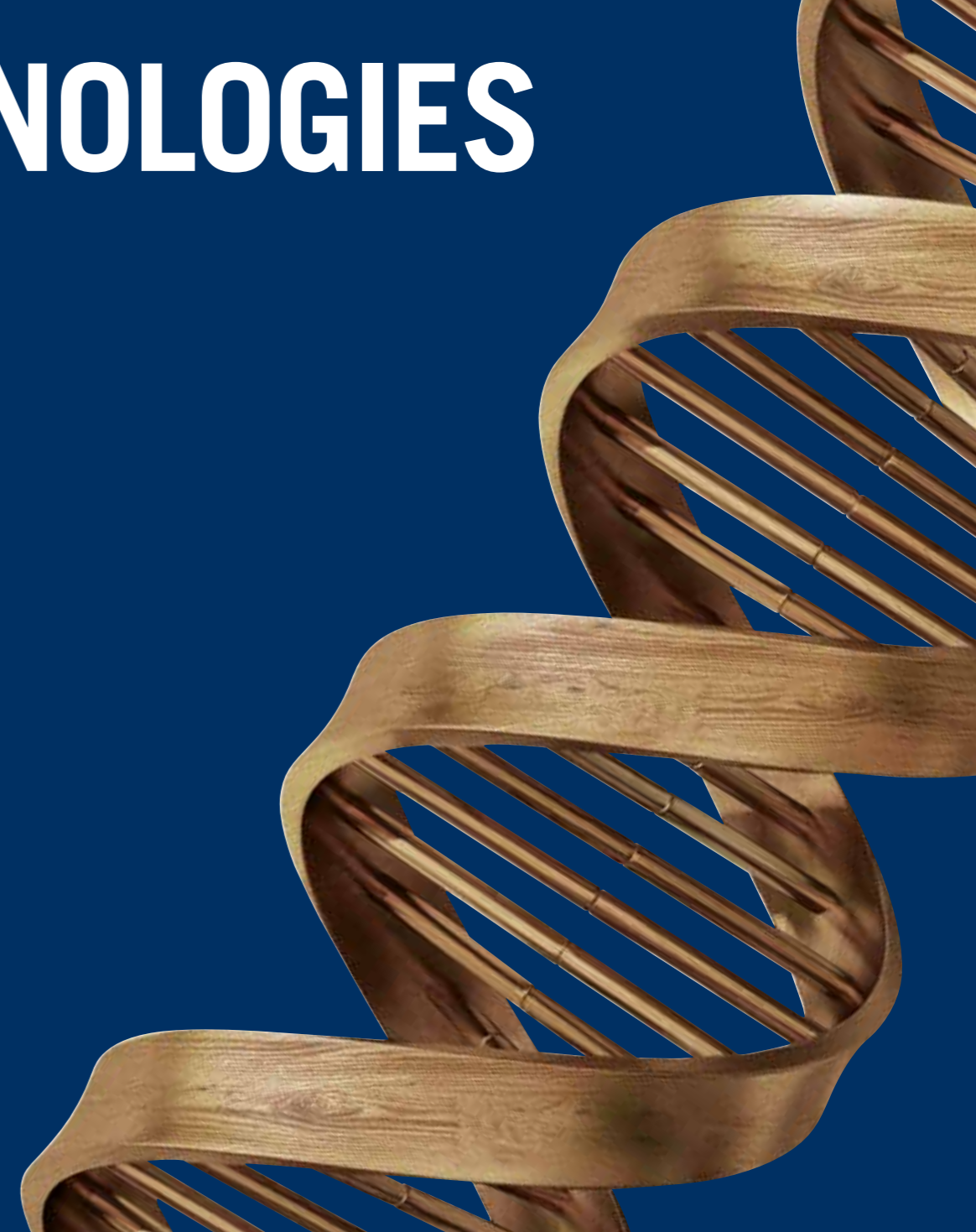


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- 3 main production sites in Italy
- 300.000 square metres of production space
- 24.000 machines manufactured per year
- 90% export
- 20 foreign branches
- 400 agents and dealers
- 500 support technicians
- 500 registered patents



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.

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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



ELECTRIC PANELS



METALWORK



CAST IRON



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