



# OLIMPIC K 800

Automatic edge bander



# OUR TECHNOLOGY BEHIND YOUR IDEAS

olimpic k 800

Automatic edge bander



EDGE BANDING  
ON ALL 4 SIDES

3D DESIGN

PROGRAMMING

CUTTING

EDGE BANDING

3 AXES BORING-ROUTING

CALIBRATING/SANDING

ASSEMBLING

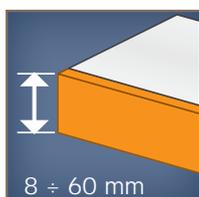


olimpic k 800

AUTOMATIC EDGE BANDER  
for continuous use and the very  
best performance



K 800 T-ERL





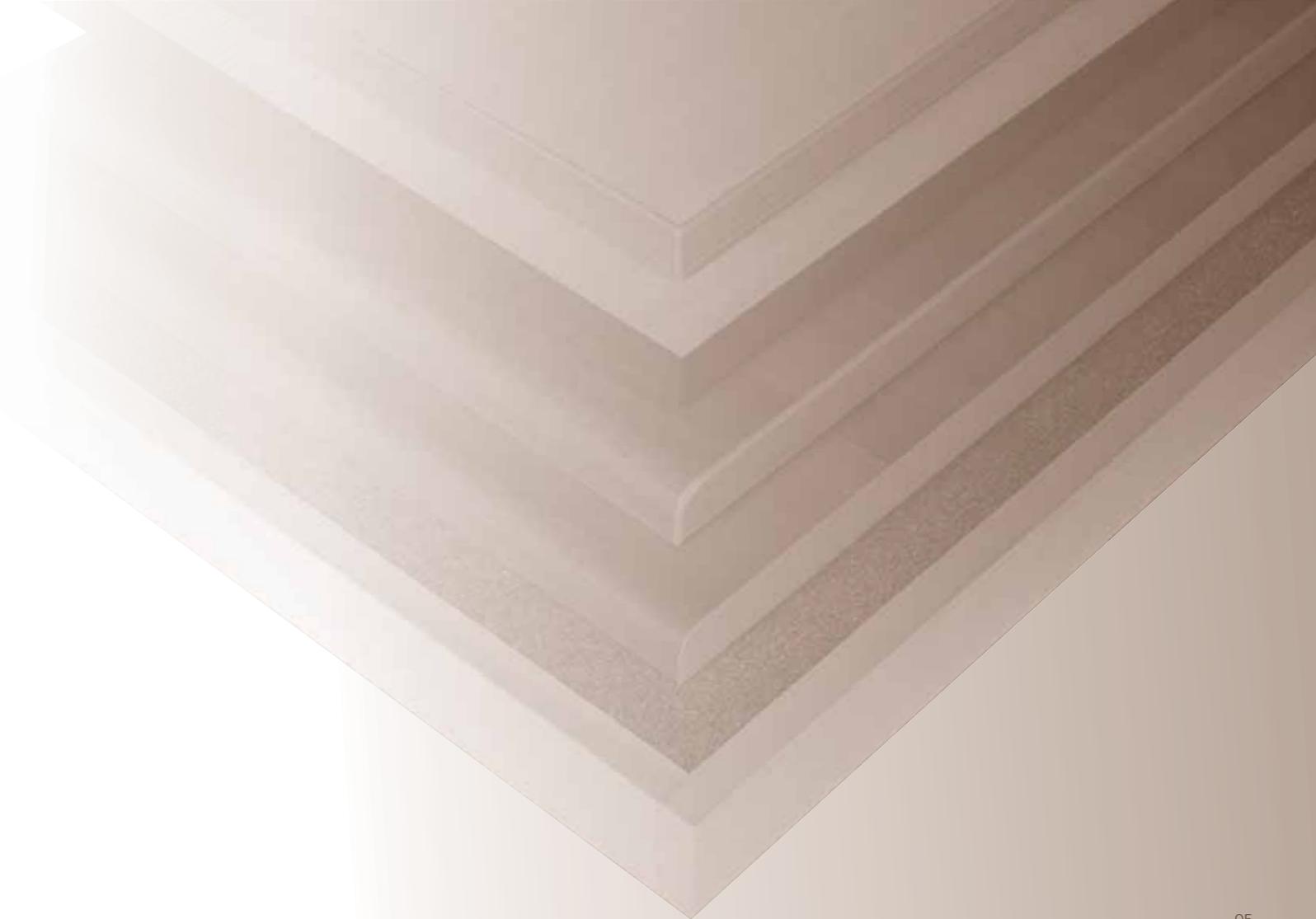
Solutions for  
high quality  
machining



Reliable for  
the highest  
productivity



Possibility of  
integration  
in Netline





Solutions for  
high quality  
machining

## TECHNOLOGY FOR OPTIMUM EDGE BANDING



BAR CODE READER (OPT)

- ▶ No errors with automatic program recall



ORION 110 CONTROL SYSTEM  
(supplied as a standard feature on the entire range)

- ▶ Basic and intuitive for error-free machining
- ▶ Memory capacity with up to 60 working programs
- ▶ Large characters for easy reading



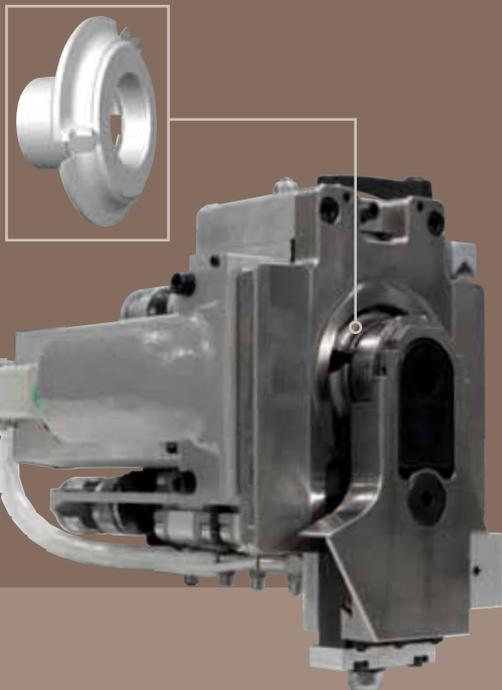
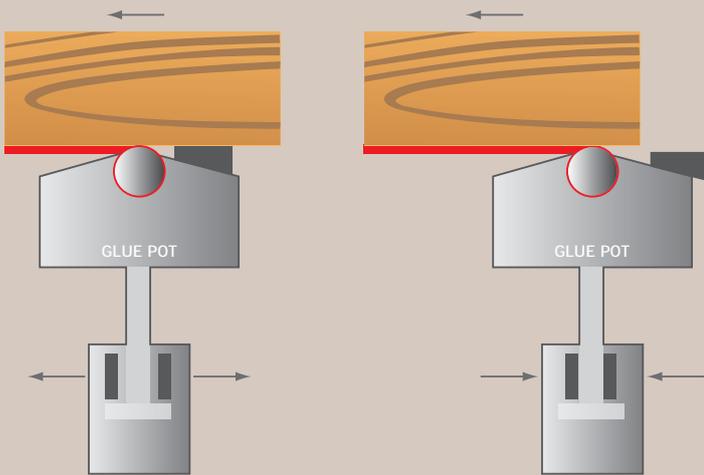
STARTOUCH CONTROL SYSTEM (OPT)

- ▶ Intuitive and easy to use thanks to its customised graphics and one touch mode
- ▶ Large dimensioned display (12")
- ▶ Simple when choosing the machining required
- ▶ "TELESOLVE" (opt) for diagnostic and on-line service



“iGLUE” KIT (OPT)

- ▶ **Optimum finishing including delicate panels.** The locking of the glue pot copying operation in the last panel section avoids contact of the roller with the panel.
- ▶ Automatic exclusion of the glue pot in the case of non-use of the group or stopping of the feed track



◀ “ED-SYSTEM” EXHAUST SYSTEM

- ▶ Increased cleaning of panels thanks to optimum chip suction with the “ED-SYSTEM” function and a suitable container with filter for long chips

▶ GLUE POT SUBSTITUTION

- ▶ Rapid changeover of the glue colour/type of glue to be applied.
- ▶ The “Fastlock” rapid unlocking system allows for fast glue pot substitution, while the “double thermoregulation system” manages two working temperatures in order to apply both EVA and Polyurethane thermosetting adhesives (options)





Reliable  
for high  
productivity

# ALL WHAT YOU EXPECT FROM AN EDGE BANDER... AND MORE



### PANEL SPACER (OPT)

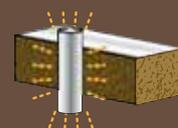
- ▶ Panel introduction into the machine with the correct space between panels
- ▶ The distance between the panels is automatically optimised according to the selected operating groups

### ▶ BLOWER FOR PANEL CLEANING

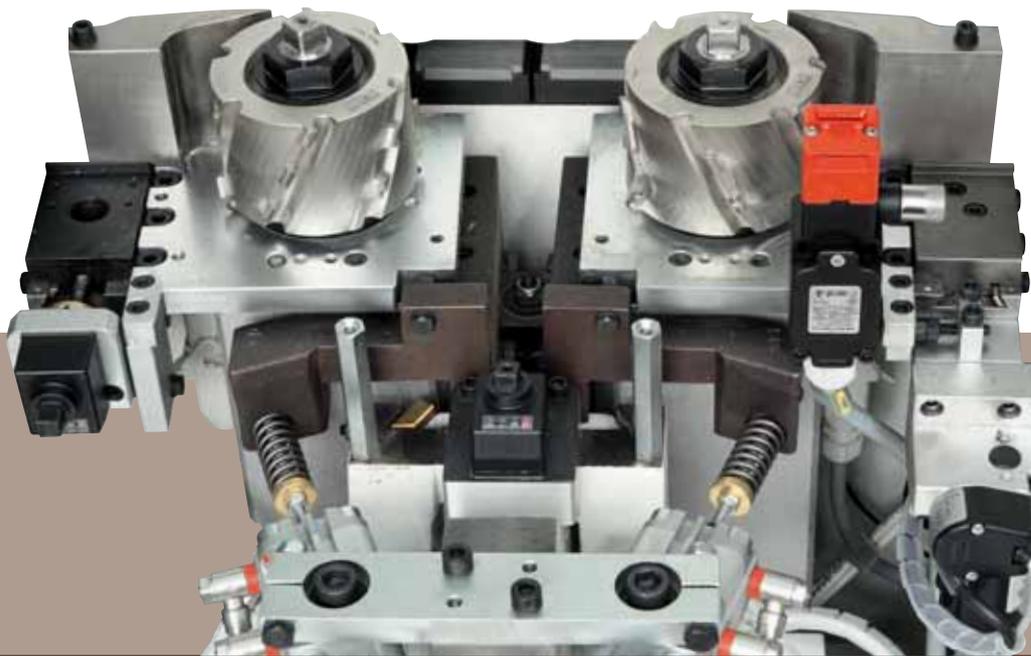
- ▶ Optimum glue adhesion with the cleaning of the machined surface

### ▶ INFRARED CERAMIC LAMP (OPT)

- ▶ Improved glue adhesion due to heating of the surface to be glued



Infrared ceramic lamp



▶ "EASY SIZE PLUS" DEVICE (OPT)

- ▶ Allows the adjustment of the material removal of the panel edge trimming group in a few seconds due to the powered axes positioned on the infeed fence and copying device of the group



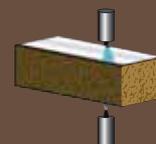
RT-E panel edge trimming group

▶ RT/E PANEL EDGE TRIMMING GROUP

- ▶ Provides a perfect surface for gluing the edge
- ▶ ED SYSTEM high efficiency exhaust outlets
- ▶ Constant removal on the entire panel length with the copying devices kit (opt)

▶ AAR ANTI-ADHESIVE GROUP (OPT)

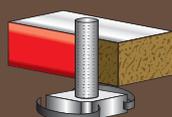
- ▶ It ensures the highest finishing quality by preventing the glue sticking to the upper and lower panel surfaces



AAR anti-adhesive group

▶ VC 800 GLUING GROUP

- ▶ It is possible to edge material strips up to 12mm thickness and coiled edges up to 3 mm.
- ▶ High glue consumption without any problem using the pre-melting device (opt) that automatically feeds the glue pot with the pre-melted glue
- ▶ Optimum gluing of solid wood edges with the VC 1000 glue pot that allows the reverse rotation of the glue roller (12mm kit opt.)



VC 800 gluing group



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productivity

## ALL WHAT YOU EXPECT FROM AN EDGE BANDER... AND MORE



### ◀ K/SEL END CUTTING GROUP

- ▶ The best finishing quality thanks to the motors sliding on two independent guides
- ▶ Rapid set-up between straight and angled cutting with the automatic independent tilting of the motors (opt)
- ▶ Horizontal movement of the group in order to leave an exceeding edge that ensures an optimum finish of the Round group (opt)

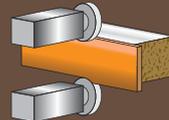


### ▶ RS/K IN-LINE TRIMMING GROUP

- ▶ For the trimming of a solid wood edging or the removal of the exceeding edge thus providing the following chamfering operation
- ▶ ED SYSTEM high efficiency exhaust outlets



K/SEL  
end cutting group



RS/K  
trimming group



### ▶ RI/800 TRIMMING GROUP

- ▶ The very best finishing quality with the rotating front and vertical copying discs
- ▶ Rapid machine changeover between thin, radius and solid wood edges with the 2 and 3 pneumatic positions kit (opt)
- ▶ Solid wood changeover without any operator intervention, thanks to the powered axes installed on the front copying devices (opt)
- ▶ ED-SYSTEM high efficiency exhaust hoods

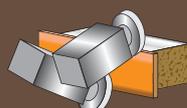
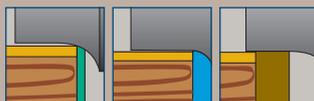
### NESTING COPYING DEVICES (OPT)

- ▶ No difficulty when finishing panels already processed with the "nesting" working cycle, through the suitable copying devices to be mounted on the upper part of the trimming and edge scraping groups

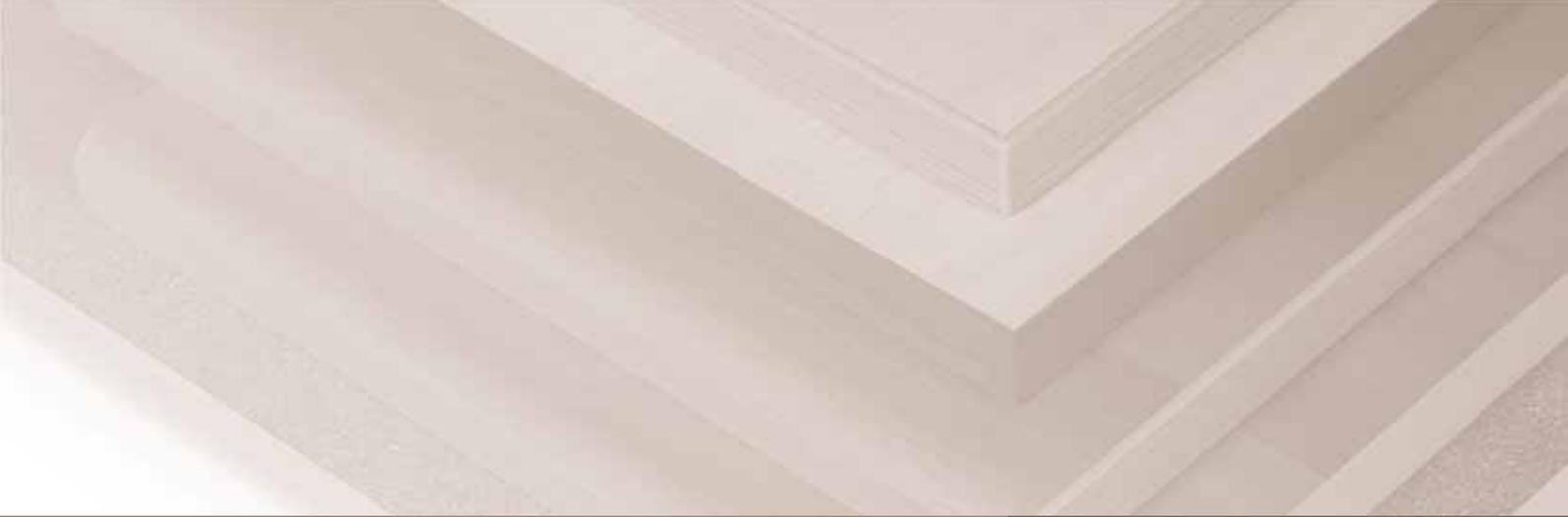
#### 2 POSITIONS KIT



#### 3 POSITIONS KIT

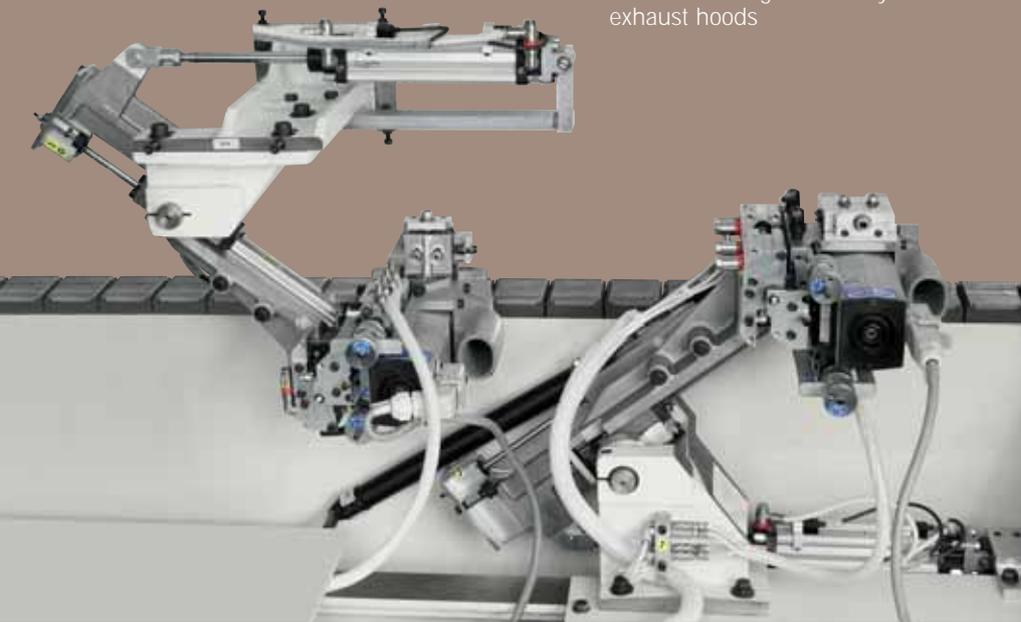


RI/800  
trimming group



### 2 MOTORS ROUND GROUP

- ▶ Perfect rounding and trimming of straight, chamfered and post formed panels
- ▶ Rounding angles with **16 m/min track speed**
- ▶ ED-SYSTEM high efficiency exhaust hoods



3 mm



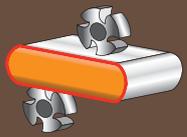
0,8 mm



0,6 mm



0,4 mm

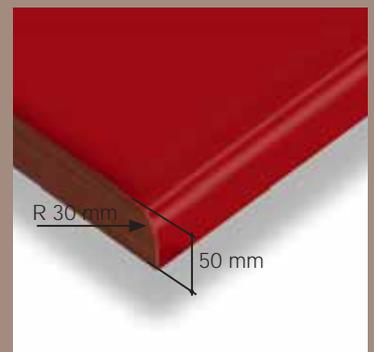
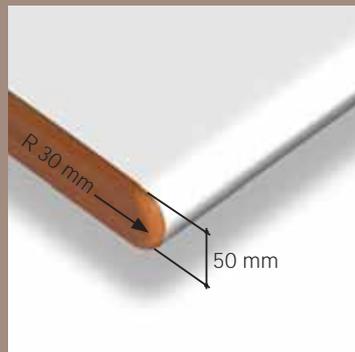
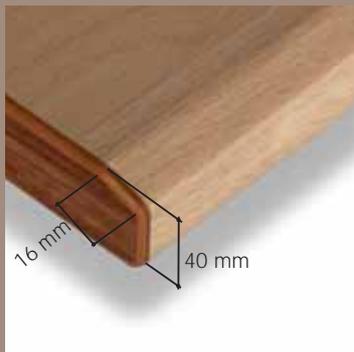
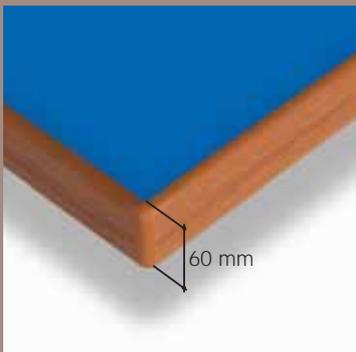


2 motors round group

### "4 EDGE" KIT (OPT)

- ▶ Automatic positioning of the group for the machining of 3 thin edges and 1 radius edge

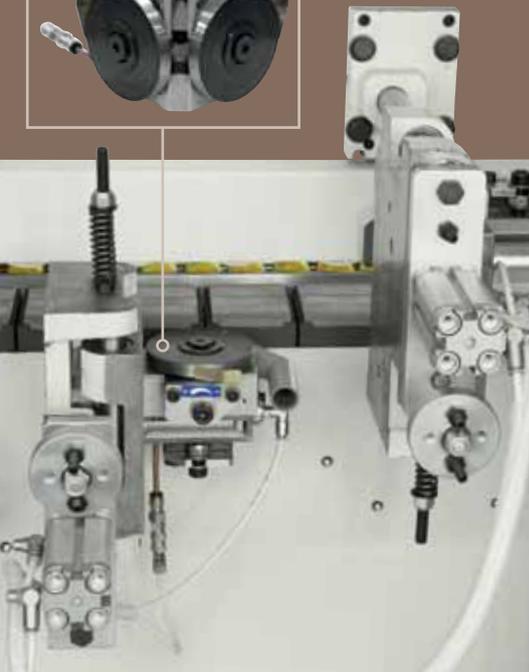
## MACHINING EXAMPLES WITH THE 2 MOTORS ROUND GROUP





Reliable  
for high  
productivity

## ALL WHAT YOU EXPECT FROM AN EDGE BANDER... AND MORE

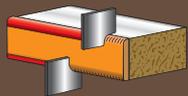


### ▶ RAS/1000 EDGE SCRAPING GROUP (OPT)

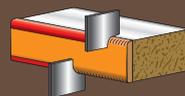
- ▶ Rapid and easy work changeover of the radius edge thanks to the substitution of the cutter-head, complete with rotating copying discs
- ▶ For the finishing of the PVC/ABS radius edge
- ▶ The group is complete with extraction hood with suitable container with filter for long chips

### ▶ RAS/S 2P EDGE SCRAPING GROUP (OPT)

- ▶ Automatic work changeover of the radius edge through the two tool pneumatic positions
- ▶ For the finishing of the PVC/ABS radius edge
- ▶ The group is complete with large dimensioned extraction hood with suitable container with filter for long chips



RAS/1000  
edge scraping group



RAS/S 2P  
edge scraping group

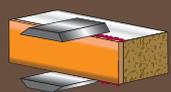


### ▶ RCL GLUE SCRAPING GROUP (OPT)

- ▶ Eliminates any excess glue on the panel surface
- ▶ Optimum use with soft/ post formed panels thanks to the independent intervention of the two tools

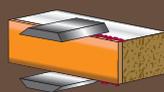
### ▶ RCA/2C GLUE SCRAPING GROUP (OPT)

- ▶ Eliminates any excess glue on the panel surface
- ▶ Best finishing quality even on the panel edges due to the two rotating copying discs



RCL glue  
scraping group

RCA/2C glue  
scraping group



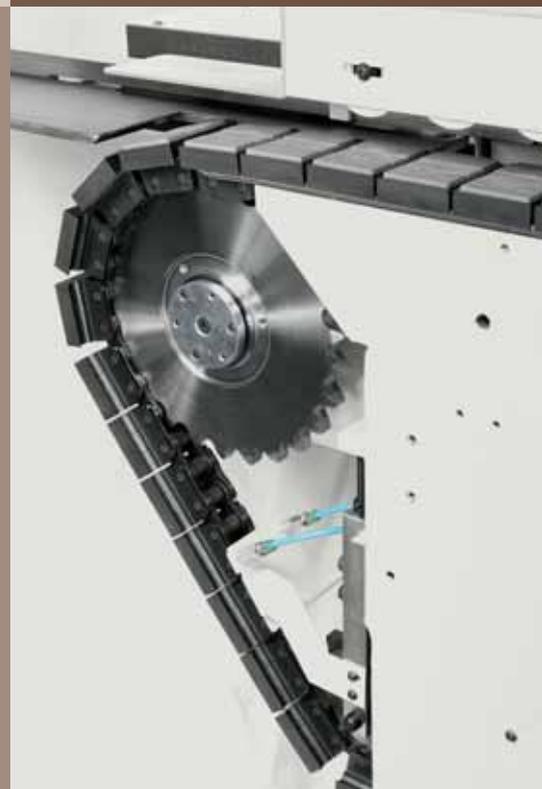


◀ K-100 SPINDLE MOULDER GROUP

- ▶ It carries out through grooves or timed grooving on the front or lower panel sides
- ▶ The group is complete with front copying devices and exhaust hood

▶ PANEL MOVEMENT SYSTEM

- ▶ Perfect straight movement of the chain and panel holding due to the large dimensioned chain (1-1/4")
- ▶ With the 16 m/min panel speed, it is supplied with the automatic lubrication of the blocks (opt)



K-100 spindle moulder group



◀ SPN BRUSHING GROUP (OPT)

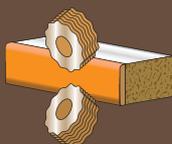
- ▶ Allows panel cleaning and polishing
- ▶ Easy adjustment with the hand wheel supplied with the group

SPRAY-MIST DEVICE FOR EDGE FINISHING (OPT)

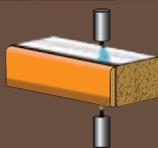
- ▶ It improves the panel cleaning and the polishing of the PVC/ABS edge

▶ HOT AIR BLOWER FOR PVC/ABS EDGES (OPT)

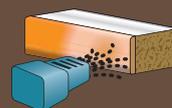
- ▶ It reactivates the colour of the PVC/ABS edges



SPN brushing group

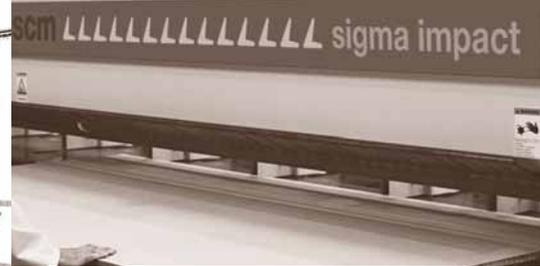


Spray-mist device



Hot air blower

# NETLINE



## PREPARATION

### INTERIOR DESIGN

#### 3D DESIGN

- ▶ **xcab** — 3D project of a sequence of cabinets\_Definition of the cutting list to be optimised\_Boring routing program generation\_Extremely easy to use
- ▶ **giotto** — 3D project of a complete room furniture (including under roof)\_Rendering \_Direct export of the cutting list to be optimised/sized\_ Boring routing program generation and hardware management\_ Preinstalled, customisable and parametric furniture database
- ▶ **imos** — 3D project of a complete room furniture\_Rendering \_Direct export of the cutting list to be optimised/sized\_Boring routing program generation and hardware management \_Automatic generation of product catalogue\_Integrable with company management IT system

### PROGRAMMING

- ▶ **ultracut** — Panel optimisation\_Cutting guide (navigator) for L'invincible saw
- ▶ **ottimo** — Multi-job optimisation\_Costs and times definition\_ Material stock management
- ▶ **xylog plus** — Boring and routing schemes programming \_Machine functions and barcode management\_Shared by all SCM CNC machines
- ▶ **flashnest** — Nesting optimisation\_Easy to learn and to use

## PROCESS COMPLETION

### 3 AXIS CNC BORING ROUTING

- ▶ **cyflex** — All boring operations and grooving\_Safety enclosure on working unit instead of floor mats\_Dust extraction on the base\_CNC SCM / Xilog Plus on PC Office
- ▶ **tech** — All boring operations and grooving, Outside profiling and routing\_Horizontal group and HSK 63F 11kW (S6) SCM electrospindle with Vector axis\_CNC SCM / Xilog Plus on PC Office\_Protection Bumpers to optimize alternate work process (no safety mats required)
- ▶ **pratix** — Nesting processing\_Vertical boring operation\_Outside profiling and routing

### CURVED EDGING

- ▶ **olimpic m** — Curved and Straight Panels\_Thickness up to 3 mm\_Edge height up to 80 mm



**OPTIMISE TIME AND RESOURCES!**  
 SELECT THE SOFTWARE AND SCM  
 MACHINES MEETING YOUR INVESTMENT  
 AND PRODUCTION CAPACITY AND YOU'LL  
 HAVE ALL THE ADVANTAGES OF THE  
 INTEGRATED PROCESS.

## INTEGRATED PRODUCTION

### CUTTING

▶ circular saws

*Invincibile*

Post-forming, parallel cutting, angular cutting by means of FULL SUPPORT\_Touch screen control and operator's assistance with graphic help\_Wireless data transmission between digital readouts of squaring rule stops and full support

▶ sigma

Grooves execution, slots execution device, postforming\_Saw carriage up to 135m/min and pusher up to 70 m/min\_Automatic detecting system for length, width and panel thickness\_Automatic blades locking with selector

▶ pratix

Nesting processing\_Vertical boring operation\_Outside profiling and routing

### STRAIGHT EDGING

▶ olimpik k

Solid wood up to 12 mm, thin edges and ABS up to R 3 mm\_Soft/postformed panels\_StarTouch control system with 12" touch screen display\_Pur glue applicable

▶ olimpik s

Solid wood up to 22 mm, thin edges and ABS up to R 3 mm\_Soft/postformed panels\_Winedge PC control system\_Pur glue applicable

### CALIBRATING SANDING

▶ sandya

Solid wood calibrating, sanding and finishing\_Callibrating of chipboard, m.d.f. and other wooden panels\_Veneered panels presanding, sanding and finishing\_Logic touch screen electronic programmer for the total machine control

### ASSEMBLING

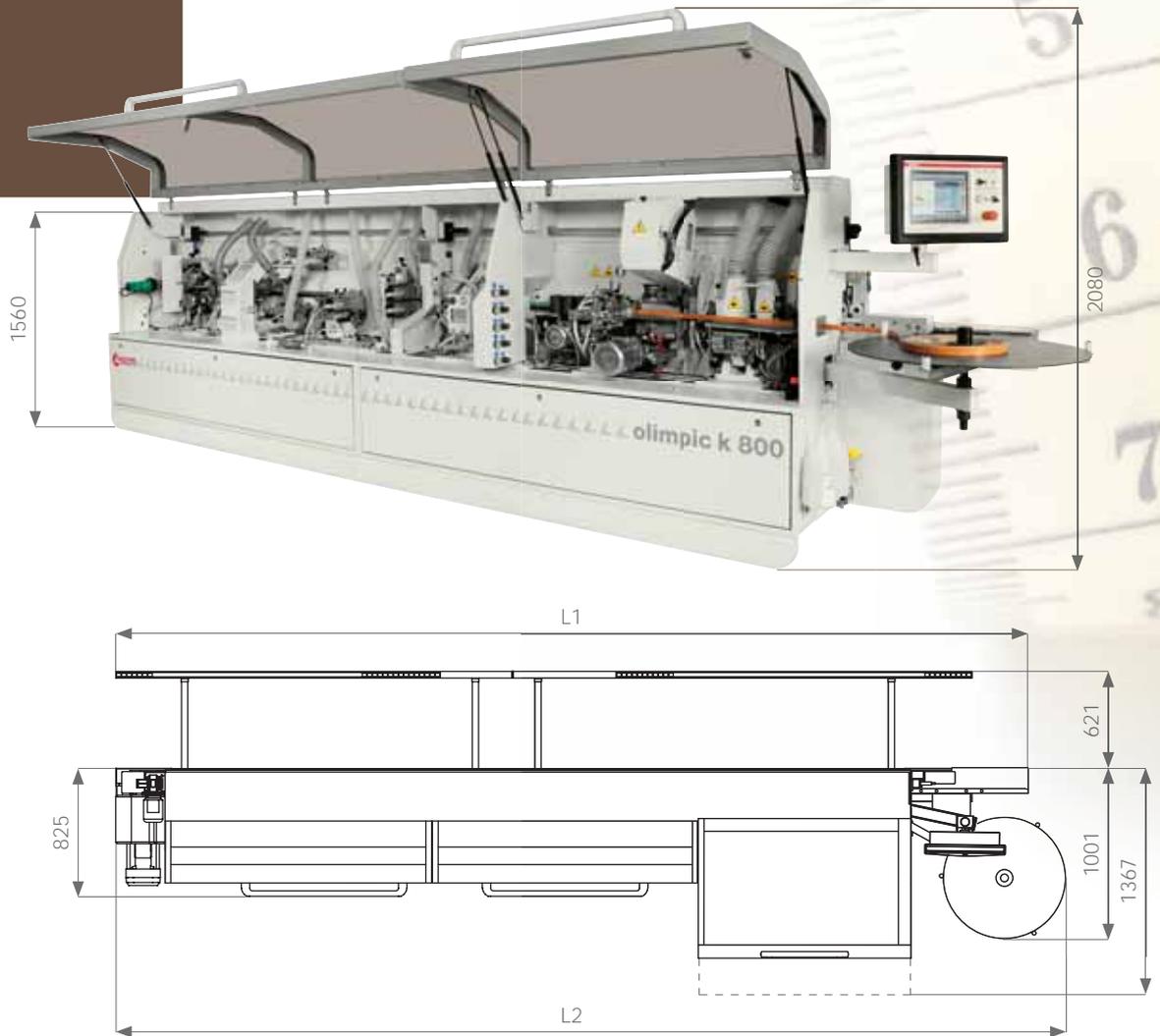
▶ assembla e-p

Manual loading for small lots and customised furniture manufacturing\_Open rear structure, with unloading support roller and photocells safety bar\_Manual or automatic movements, controlled from 3,8"touch screen

### INTEGRATED PROCESS

# olimpic k 800

## TECHNICAL DATA



### MACHINE LENGTH

Composition		A	C	E	F	ER2	FR2	T-C	T-E	T-F	T-ERL	T-ERS	T-FR2
Length - L1	mm	3635	3635	3835	4235	5035	5435	4235	4635	4835	5435	5835	5835
Length - L2	mm	3873	3873	4073	4473	5273	5673	4473	4873	5073	5673	6073	6073

### TECHNICAL DATA

Panel thickness	mm	8 - 60
Edge thickness	mm	0,4 - 8 (12 opt.)
Min. panels length	mm	140
Feed speed	m/min	11 (11/16 opt.)

### NOISE LEVEL

Operating conditions: PANEL EDGE BANDING reference standard: ISO 7960-95, Annex P R.d.P. CSR n° 08150				
	Reference standard	Uncertainty factor K	EDGE BANDING	
			VSA	LAV
Lop: noise level at operator position - dB (A)	EN ISO 11202:1997	4	77	76,7
Lw: emitted noise level - dB (A) re 1pw	EN ISO 3746:1995		92,5	92,3
The maximum instantaneous noise level is under 130dB ( C )				
VSA: No machining without dust extractor equipment		LAV: machining		

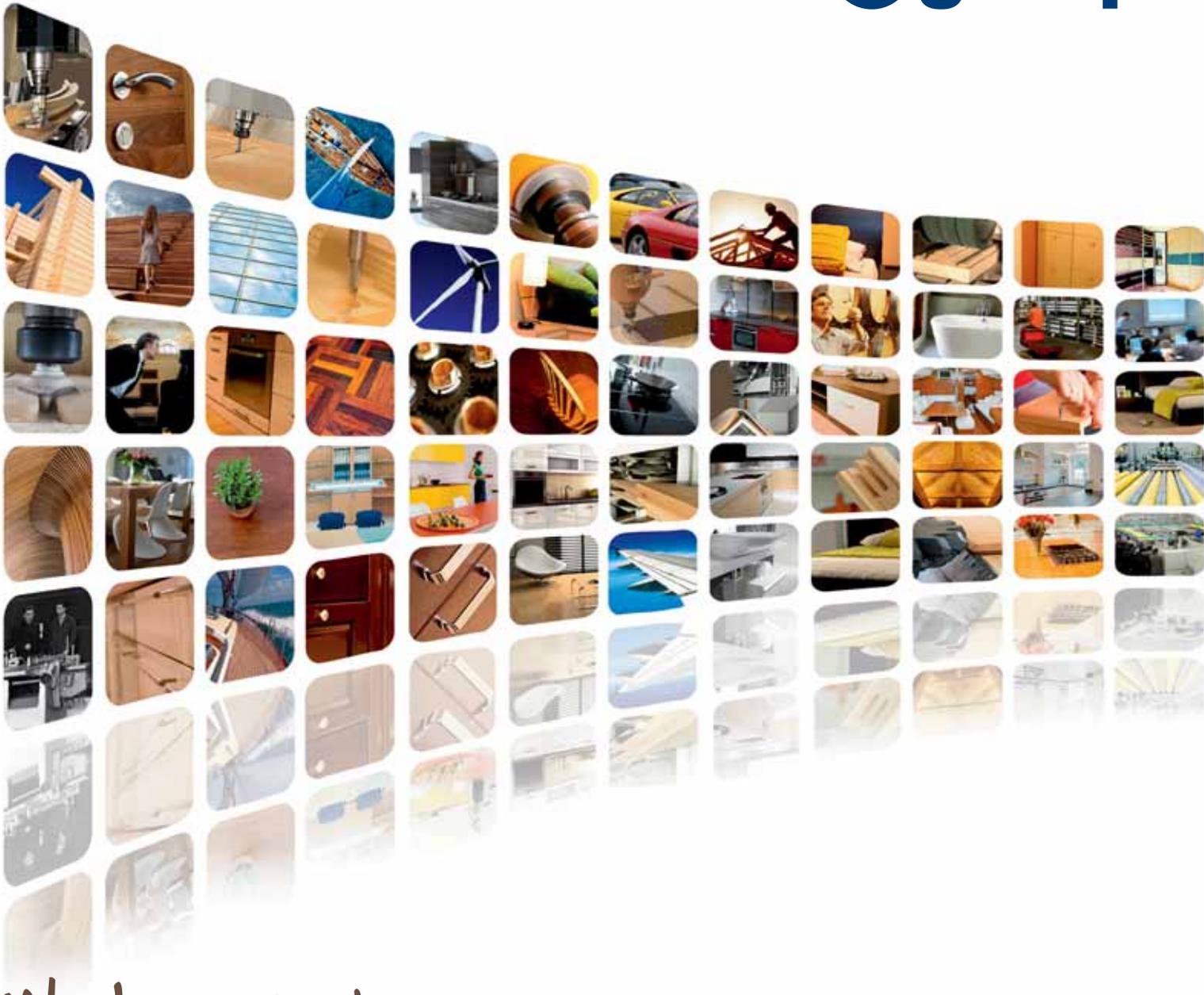
# AVAILABLE SOLUTIONS



A				1							
C				1							
E		1F	1	1/2							
F	1F	1	1/2								
ER2	1F	1	1/2								
FR2	1F	1	1/2								
T-C				1							
T-E	1F	1	1/2								
T-F	1F	1	1/2								
T-ERL	1F	1S	1/2								
T-ERS	1F	1S	1	1/2							
T-FR2	1F	1	1/2								

## THE OPTIONAL GROUPS

1F →	1S →	1 →	1/2 →
		A option	B option    C option



## We love wood

### FOR A BETTER ENVIRONMENT

Wood, a raw material from trees, an extraordinary building material, which can be adapted for interior and outdoor furniture elements. It enhances the settings of many lifetime experiences and can be processed into magnificent works of art and structures. SCM Group loves wood through its woodworking technologies.

Woodworking is about perfecting the qualities of wood: beautiful and fire-resistant, flexible and insulating.

Woodworking is all about 'we love wood'.

1 large Group	70% exported
2 million machines sold	350 registered patents
10 production facilities	350 agents and distributors
22 brands	500 engineers
23 foreign subsidiaries	3.000 sq m showroom
30 million euro investment in technology and know-how	3.450 employees
60 years history	10.000 standard machines yearly
	240.000 sq m production area

# passion**technology**performance



SCM Group is an Italian company, world leader in the production of woodworking machinery and systems.

For almost 60 years it has been offering the widest range of machinery, from standard machines for joinery companies up to integrated lines for industrial production of furniture and housing construction wood components.

Through dedicated companies, the Group now also operates in the plastic, stone, glass and advanced materials processing machinery industries.

It has 10 production plants and 3.450 employees. SCM Group exports 70% to 120 countries

through 23 foreign subsidiaries, 350 distributors and agents, guaranteeing efficient and prompt assistance with over 500 engineers providing training, service, maintenance and spare parts every day throughout the World.

Ongoing research and development is carried out by 70 engineers who design and create new products to be manufactured, assembled and distributed for the entire Group.

To ensure utmost quality of the entire manufacturing cycle, a special production plant with over 90 highly sophisticated cnc machining centres has been created to control all pre-assembly operations: iron castings, metalwork

carpentry, painting, cnc machining, electro-spindles, electric, electro-mechanic and electronic components.

With an outlook for the future, outstanding investments (30 million euros) are currently being made in technology and know-how resulting in a superior efficiency and management of our companies. SCM Group and its people are committed to provide ultimate performance.



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