assembly

solutions
for assembly



REV. N.02 - 09.2023

SCM GROUP SPA
via Casale 450 - 47826 Villa Verucchio, Rimini - Italy
tel. +39 0541 674111 - scm@scmgroup.com
www.scmwood.com

00L0456716B

woodworking technology

an ASSEMBLY SOLUTION
for every need



action e



action p



action fl



action tf



action h



action m



MANUAL OPERATED CLAMP

The electro mechanical cabinet clamp action e with manual loading and unloading is the entry-level solution for the final assembly of cabinets. This machine is suitable for all cabinet manufacturers, with low productive volumes.

- **MAXIMUM EASE** of use by means of buttons
- **EFFECTIVE PRESSING** on the entire surface thanks to the comb system
- **EFFICIENT CABINET SQUARING** by means of appropriately dimensioned screws



Technical data		
Cabinet lenght	mm	250 ÷ 2400
Cabinet depth	mm	250 ÷ 700
Cabinet height	mm	270 ÷ 1100
Pressure power	kN	10
Working height	mm	600

DEVICES AND OPTIONS



Better quality with uniform pressing over the entire surface thanks to the comb system.



Maximum ease of use by means of buttons.

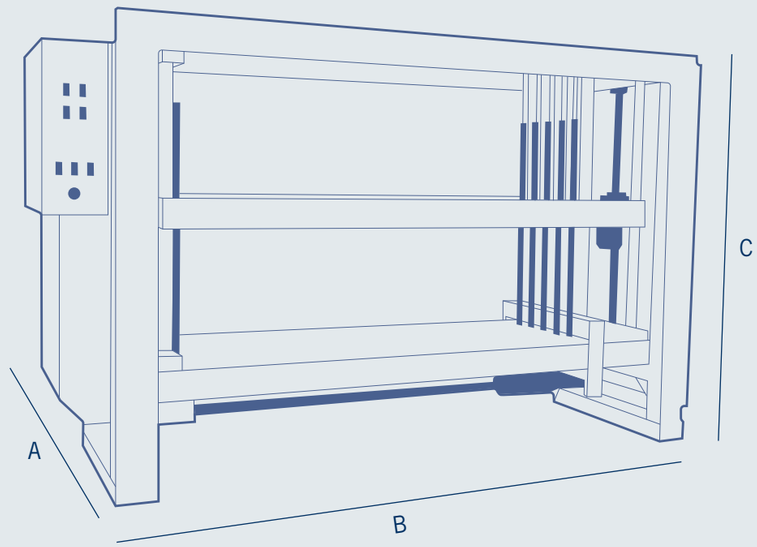


Manually operated unloading table with 90° tilting function. The unloading table helps the operator to position the mounted furniture vertically and transport it to the next work area. (opt.).



Manually operated translating pre-assembly table (on the right side). The preassembly table is a valuable aid for the operator who can mount the cabinet at the working height of the clamp and push it into the pressing area without lifting it further. (opt.).

OVERALL DIMENSIONS



A	B	C
1127	3747	2335

AUTOMATIC CLAMP

The electro mechanical cabinet clamp model action p is the solution for the assembly of cabinets. The automatic set-up allows to a simple use of the clamp. This automatic machine is suitable for all cabinet manufacturers, with low productive volumes (up to 50 cabinets/shift).

- **EFFICIENT CABINET SQUARING** by means of an integrated rack and pinion system
- **BEST PERFORMANCE** due to installed brushless motors, which allow the cycle's maximum speed execution
- **HORIZONTAL AND VERTICAL PRESSURE ELEMENTS** with single bars and "comb"system



Technical data		2500	3050
Installed power	kW	9	
Standard working dimensions (max.)	mm	2500 x 1200 x 800	3050 x 1200 x 800
Standard working dimensions (min.)	mm	250 x 250 x 250	
Working height	mm	620	

DEVICES AND OPTIONS



Efficient cabinet squaring by means of an integrated rack and pinion system driven by brushless motor.



Efficient squaring of cabinets even with 45° joints



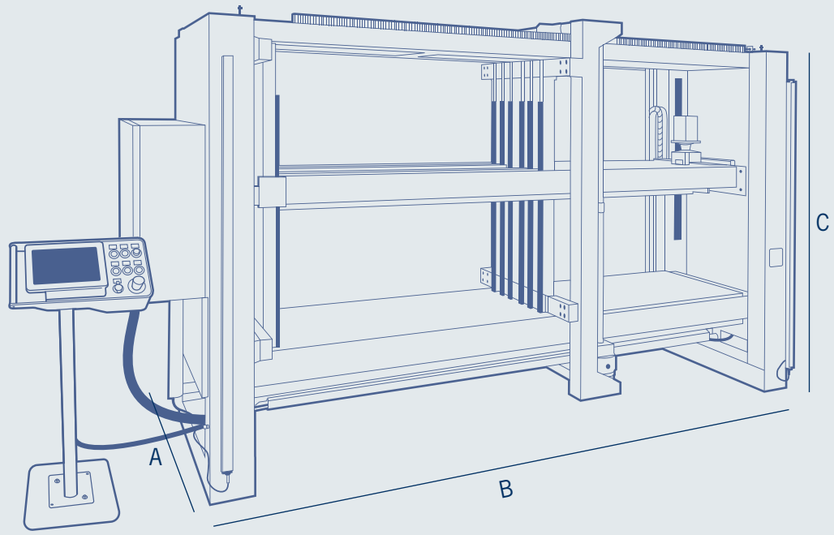
Better quality with uniform pressing over the entire surface thanks to the comb system.



The operator interface (HMI) enables the following activities:

- Edit work programs (cabinet size, work cycle sequence, pressure ratings and cycle time)
- Execute manual commands
- Edit machine settings

OVERALL DIMENSIONS



A	B	C
1226	4017	2363

AUTOMATIC CLAMP

The electro mechanical cabinet clamp model **action fl** with manual loading/unloading and a complete automatic cycle, is the solution for the assembly of cabinets.
This machine is suitable for all cabinet manufacturers, with low productive volumes (up to 50 cabinets/shift).

- **EFFICIENT CABINET SQUARING** by means of an integrated rack and pinion system
- **BEST PERFORMANCE** due to installed brushless motors
- Easy programming and working thanks to the touch-screen interface, ergonomically positioned for the operator.



Technical data		
Installed power	kW	9
Standard working dimensions (max.)	mm	2500 x 1250(H) x 800
Standard working dimensions (min.)	mm	250 x 250(H) x 150
Working height	mm	600

DEVICES AND OPTIONS

Up to three adjustable pressing elements to meet the various dimensional requirements of the furniture being processed to ensure uniform pressing.





The operator interface (HMI) enables the following activities:

- Edit work programs (cabinet size, work cycle sequence, pressure ratings and cycle time)
- Execute manual commands
- Edit machine settings

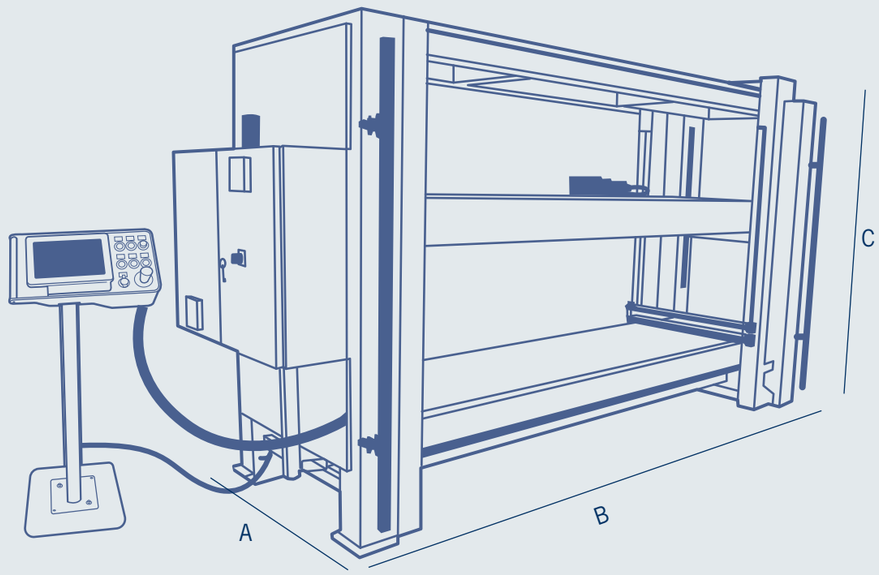
Efficient cabinet squaring by means of an integrated rack and pinion system driven by brushless motor.





Efficient squaring of cabinets even with 45° joints

OVERALL DIMENSIONS



A	B	C
1226	4017	2363

THROUGHFEED AUTOMATIC CLAMP

The through-feed electro mechanical cabinet clamp model **action tf** with automatic stapler (option) is the solution for the assembly of cabinets. This machine is suitable for all cabinet manufacturers, with medium to high production volumes (up to 650 cabinets/shift).

- **EFFICIENT SQUARING OF CABINETS** by means of an integrated rack and pinion system
- **BEST PERFORMANCE** due to installed brushless motors which allow the cycle's maximum speed execution
- **EASY PROGRAMMING AND WORKING** thanks to the touch-screen interface, ergonomically positioned for the operator.



Technical data		2500	3050
Installed power	kW	13	16,5
Standard working dimensions (max.)	mm	2500 x 1250 x 800	3050 x 1250 x 800
Standard working dimensions (min.)	mm	250 x 250 x 250	
Maximum vertical thrust	kg	1500	1900
Maximum side thrust	kg	1200	
Working table height	mm	600	620

DEVICES AND OPTIONS

Easy programming and working thanks to the touch-screen interface, ergonomically positioned for the operator.





Efficient squaring of cabinets even with 45° joints by means of an integrated rack and pinion system.

Best performance due to installed brushless motors which allow the cycle's maximum speed execution.





Automatic loading and unloading of the cabinet on belt conveyor with automatic furniture size recognition system.



5-axis automatic stapler for the rear side of cabinets, to be installed on the **action tf** clamp. Ideal solution for producers of kitchen, bedroom and bathroom furniture.

- **EASY PROGRAMMABLE NAILING PATH,** with possibility to clamp and staple more cabinets simultaneously
- **LABOUR SAVING,** increased productivity and accuracy
- **ABILITY TO WORK IN BATCH-ONE** mode by reading a barcode or job list

DEVICES AND OPTIONS

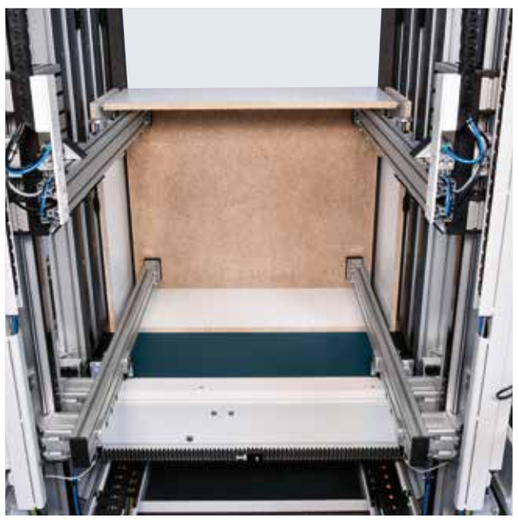
OVERALL DIMENSIONS

ACTION WS

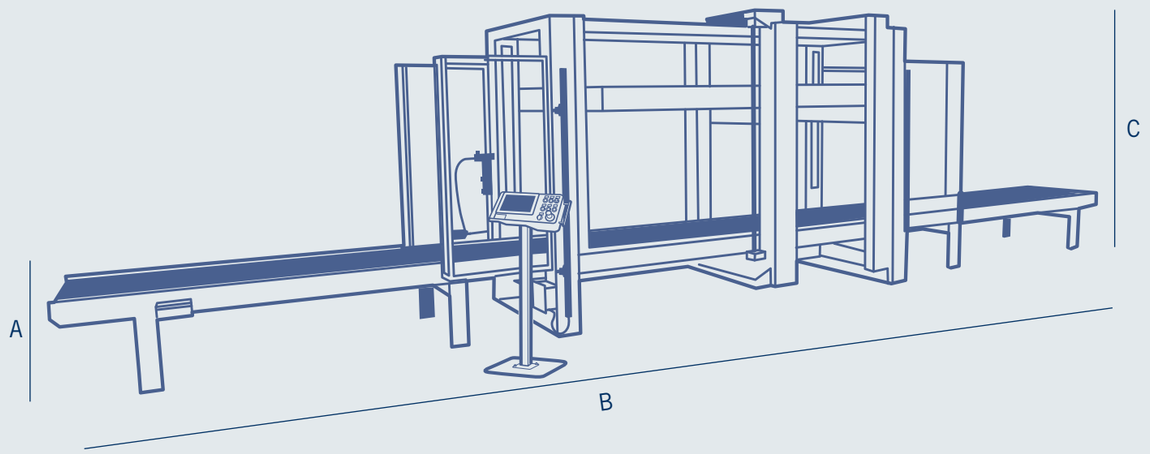
The action ws electromechanical cabinet preassembly machine is the ideal solution to prepare the cabinet pieces for the automatic assembly: the operator inserts the 5 cabinet parts into the machine that will complete the assembly. The suitable cabinet consists of 5 parts (right and left sides, bottom, top and back panels) and equipped only with horizontal dowels (kitchens, bathroom furniture).
The cabinet dimensions are programmable by interface (ideal solution for large batches) or remotely via production list (ideal for batch 1 production).











A	B	C
2553	11300	3355

COMPLETE SOLUTIONS





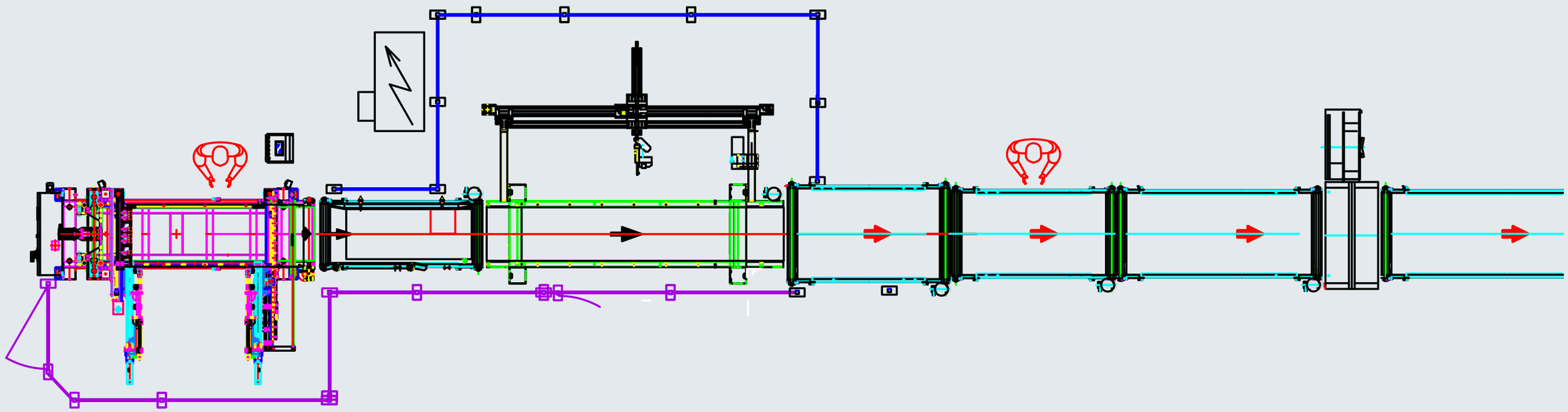
COMPLETE LINES FOR ASSEMBLY

These lines are composed of several stations in order to obtain the assembled furniture cabinet, starting from all of its individual components.
These lines are suitable for all assembled furniture industries, such as kitchens, bathrooms and office furniture manufacturers.

- **COMPLETE TURN-KEY SOLUTION:**
  turn-key complete solutions in collaboration with a unique partner
- **AUTOMATIC SOLUTION:**
  range of manual / automatic solutions suitable to all customer's production volumes







HORIZONTAL CLAMP FOR FRAMES AND KITCHEN DOORS

Horizontal automatic hydraulic clamp, ideal solution for producers of kitchen doors, solid wood doors and frames.

- Possibility to assemble frames with 45° or 90° joints without any previous setting
- Small series can be easily processed at the same production rate as large standard series, due to auto-adjusting of machine to the product's dimensions
- Hydraulic pressing power can be adjusted according to the type of frame to be assembled

Technical data		
Installed power	kW	8
Standard working dimensions (max.)	mm	2500 x W 750 x 40H
Standard working dimensions (min.)	mm	300 x 135 x 15H



DEVICES AND OPTIONS

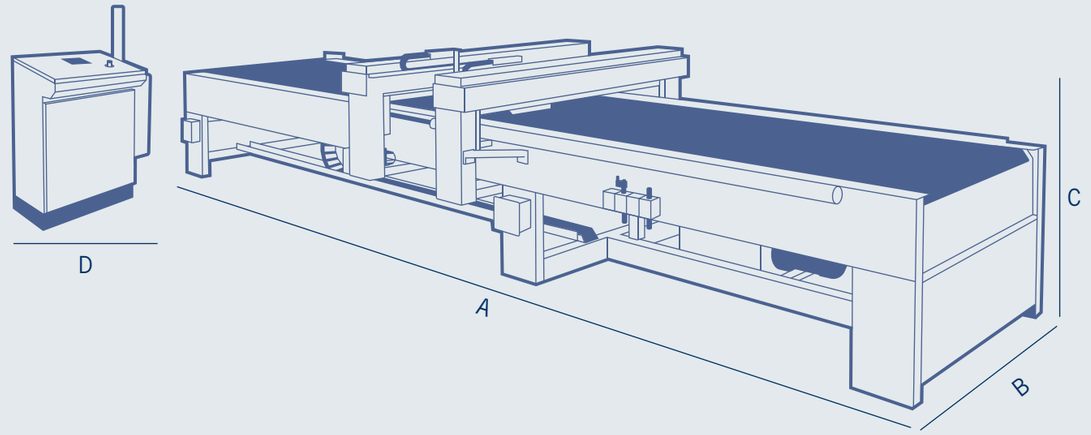
Double hydraulic, central shoulder with motorized positioning that allows a greater pressure.







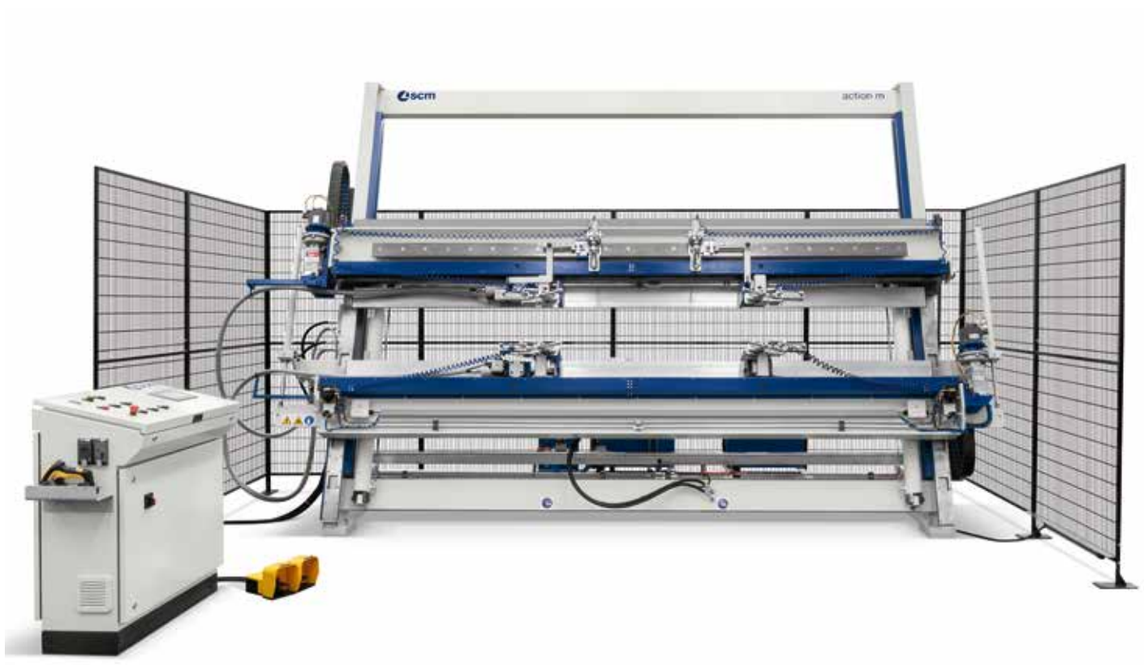
OVERALL DIMENSIONS



A	B	C	D
5880	2030	852	1000

VERTICAL CLAMP FOR WINDOWS AND DOORS

The new action m cnc clamping machine, a new addition to scm, complements action m by ensuring high power combined with high bonding performance on all types of window frames, even for medium to large companies.





Technical data action m cnc		30-17	30-20	35-25
Standard working dimensions (max)	mm	3000 x 1700	3000 x 2000	3500 x 2500
Standard working dimensions (min)	mm	400 x 400	400 x 400	400 x 400
Max vertical/horizontal thrust	ton	14/3	14/3	14/3
Installed power	kW	9	9	9

Technical data action m		30-17	30-20	35-20	35-25
Standard working dimensions (max)	mm	3000 x 1700	3000 x 2000	3500 x 2000	3500 x 2500
Standard working dimensions (min)	mm	250 x 350	250 x 350	250 x 350	250 x 375
Max vertical/horizontal thrust	ton	14/6	14/6	14/6	14/6
Working height	mm	400/920	400/920	400/920	420/1190
Hydraulic pump power	kW	2.1	2.1	2.1	2.1

DEVICES AND OPTIONS

ACTION M CNC



Preassembly with workpiece reading photocells for automatic closing of pneumatic pistons (opt.).
Movable upper and lower beams adjustable by plc.



Pneumatic pre-assembly elements (opt.)



Touch screen control panel

ACTION M



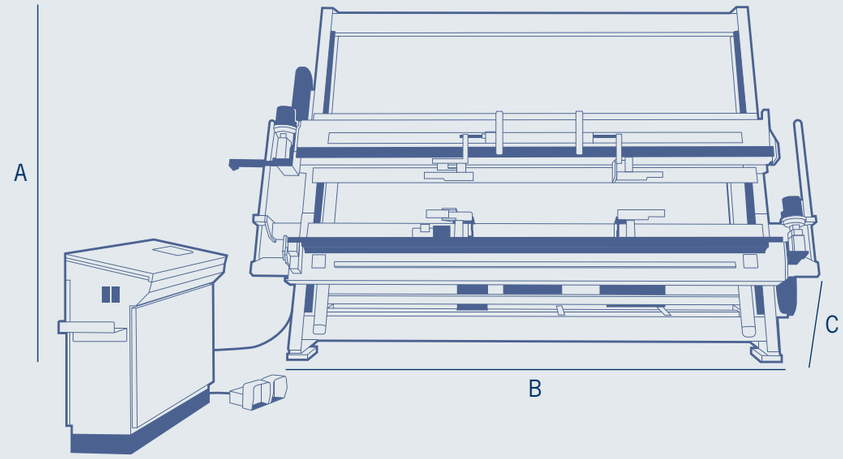
Preassembly with workpiece reading photocells for automatic closing of pneumatic pistons (opt.).
Movable upper and lower beams adjustable by plc.



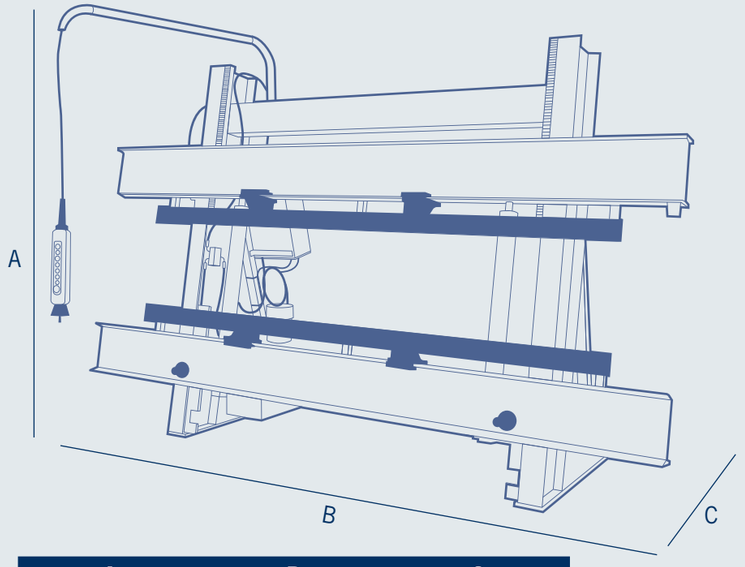
Push button panel for manual closing and opening of the clamp.



OVERALL DIMENSIONS



A	B	C
3375	6500	1645



A	B	C
2675	3520	1150



scm | service

WE'LL GO THE EXTRA MILE FOR YOU

SCM OFFERS A FULL RANGE OF **HIGHLY SPECIALISED SERVICES** WITH A QUALITY AND RELIABILITY THAT STEM FROM 70 YEARS OF EXPERIENCE IN THE INDUSTRY.

From installation and production start-up to services and maintenance. From training to the supply of specific original spare parts: **we provide solutions designed around you!**

CONTACT

SCM SERVICE
via Emilia 77 - 47921 Rimini - Italy
tel. +39 0541 700100
scmservice@scmgroup.com
www.scmwood.com

SCM SPAREPARTS
Via Emilia, 61 - 47921 - Rimini - Italy
tel. +39 0541 674111
spareparts@scmgroup.com
www.scmwood.com

My Scm

SERVICE AND MAINTENANCE

- Remote support
- Scheduled maintenance contracts
- Warranty extension

TRAINING SERVICE

- Courses for machine operators
- Software and programming courses
- Training in production start-up

SPARE PARTS

- Recommended spare parts list
- E-shop
- Interactive spare-parts catalogues
- Repairs on electronic parts, glue tanks and electro-spindles

DIGITAL SERVICES

- Maestro Connect - IoT platform to be constantly connected with your machines
- Smartech - assistance with augmented reality
- My Scm portal - opening of service ticket and single point of access to the apps and Services tools

THE STRONGEST WOOD TECHNOLOGIES ARE IN OUR DNA

SCM. A HERITAGE OF SKILLS IN A UNIQUE BRAND
70 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.



70 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.

- scm — WOODWORKING TECHNOLOGIES
- Cms — 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.

- HITECO — SPINDLES AND TECHNOLOGICAL COMPONENTS
- es — ELECTRIC PANELS
- steelmec — METALWORK
- scmfonderie — CAST IRON

scm woodworking technology | *is more*