solutions
for assembly and packaging

action tf

pack c 100

scm
woodworking technology

complete solutions

for multi-level storage, assembly and packaging

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

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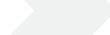- **PACKAGING SOLUTION:**
  most suitable packaging solutions to meet all customer's types of production.
- **AUTOMATIC SOLUTION:**
  range of manual / automatic solutions suitable to all customer's production volumes.

drilling and inserting

multi-level storage

glueing

assembly

packaging

storage

action tf

The through-feed electro mechanical cabinet clamp

The through-feed electro mechanical cabinet clamp model ACTION TF with automatic stapler (on option) is the solution for the assembly of cabinets. This machine is suitable for all cabinet manufacturers, with medium to high production volumes (from 30 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.**
- **VERSATILE USE**
  due to touch screen panel control.
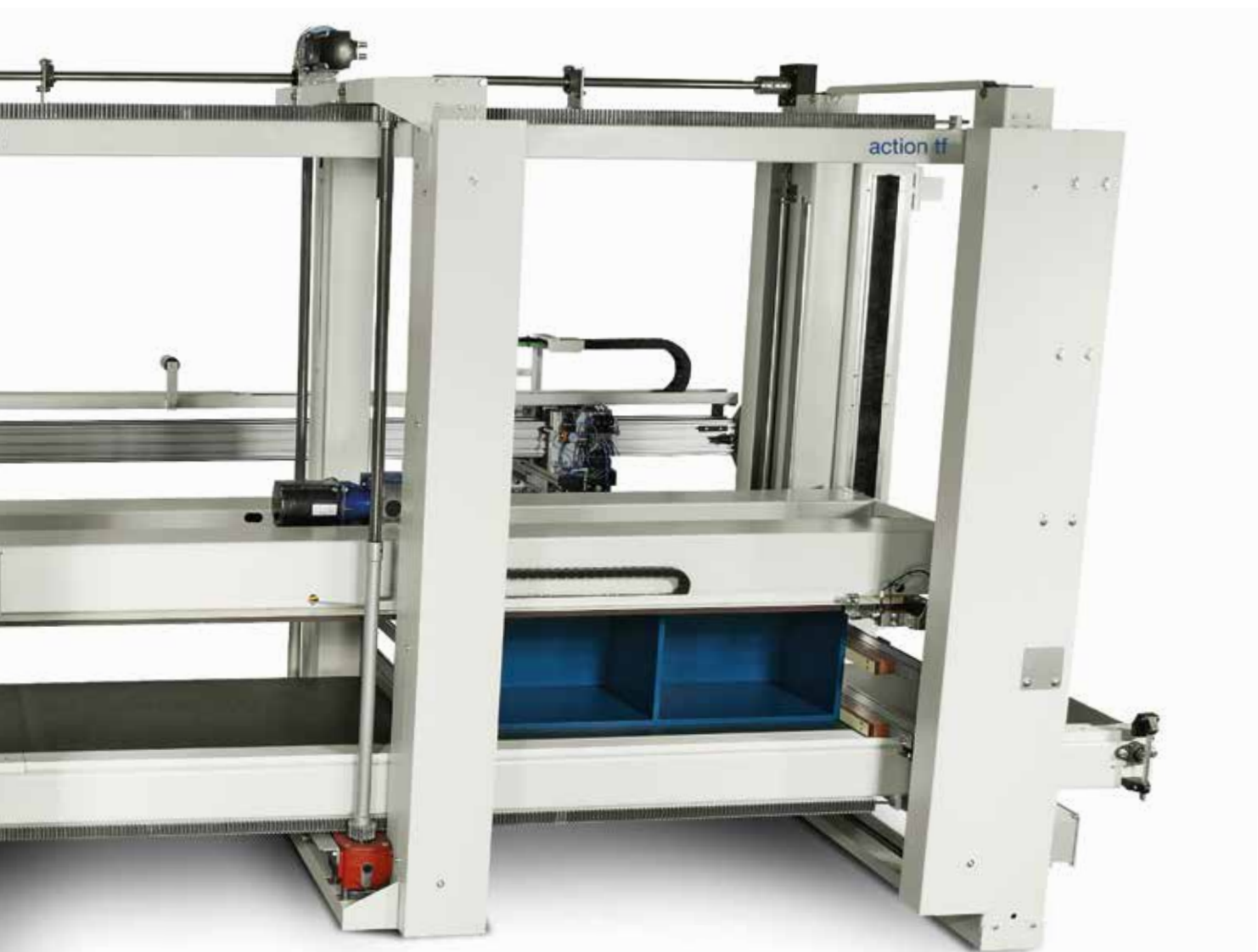
action tf

Installed power	kW	5
Performance	cabinets/min	up to 2
Standard working sizes capacity (max)	mm	2500 x 1300 (H) x 650
Standard working sizes capacity (min)	mm	250 x 250 (H) x 250
Speed	m/min	20
Working height	mm	600

Automatic stapler for cabinets

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.

Installed power	kW	12
Staples loading capacity (automatic gun refill)	no.	1200
Axis speed	m/sec	1,5
Operator's touch-screen panel PC	inches	17
Maximum cycle-time of each staple	sec	0,7

action fl

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 30 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.**
• **Versatile use** due to touch screen panel control.

CABINET MANUAL LOADING AUTOMATIC CLAMP		ACTION FL
Installed power	kW	4
Standard working sizes (max)	mm	2500 x 1300 (H) x 800
Standard working sizes (min)	mm	250 x 250 (H) x 150
Working height	mm	600

action p

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 30 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.

CABINET MANUAL LOADING AUTOMATIC CLAMP		ACTION P
Installed power	kW	4
Standard working sizes (max)	mm	2500 x 1200 (H) x 700
Standard working sizes (min)	mm	250 x 250 (H) x 150
Working height	mm	600

▼ Doors and windows assembly with Action h automatic clamp
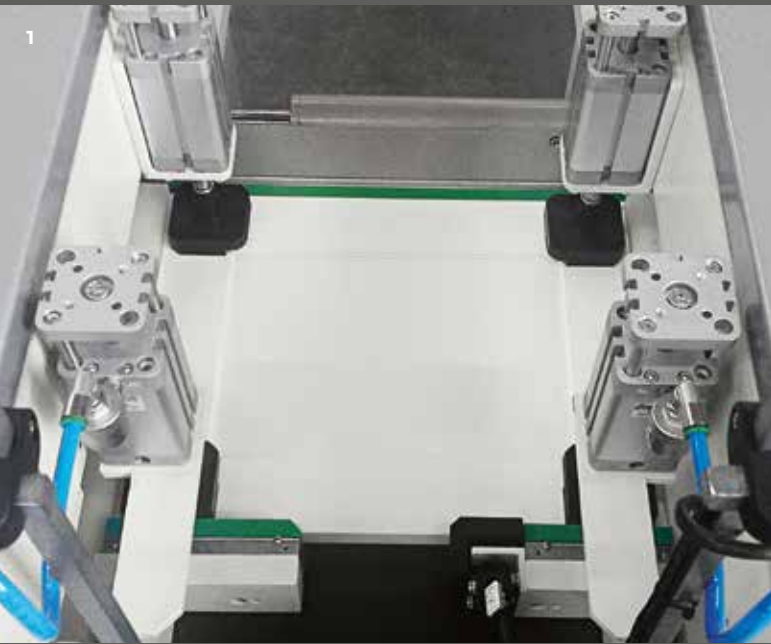
▲ In line door pre-assembly with Action h automatic clamp

action h

Horizontal automatic hydraulic clamp, ideal solution for producers of 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.**
• **Pressing power** can be **adjusted** according to the **type of frame to be assembled.**

| DOOR AUTOMATIC CLAMP		ACTION H		
		2000	2500	2500 S
Installed power	kW	2	2	2,5
Performance	frames /min	up to 3	up to 3	up to 2
Useful operating size (max)	mm	2000 x 50 (H) x 620	2500 x 50 (H) x 750	2500 x 70 (H) x 1100
Useful operating size (min)	mm	300 x 15 (H) x 135	300 x 15 (H) x 135	800 x 15 (H) x 300
Translation speed	m/min	21	21	21
Working table height	mm	850	850	850

action k - action m

The frame clamp **presses and glues any kind of window** system: slatted shutters, shutters and solid wood doors.

AUTOMATIC DOORS AND WINDOWS SYSTEM FRAME PRESSES		ACTION K - ACTION M					
		M 30-17	M 30-20	M 35-25	K 30-17	K 30-20	K 35-25
Dimensions	mm	3000 x 1700	3000 x 2000	3500 x 2500	3000 x 1700	3000 x 2000	3500 x 2500
Vertical thrust (ton)	ton	14	14	14	10	10	10
Horizontal thrust (ton)	ton	6	6	6	4	4	4

Optimised cabinet squaring is obtained by means of an integrated mechanical system rack and pinion driven, in order to obtain the **best parallelism between clamping elements** of the machine.
Clamping plates movements brushless motors driven, in order to obtain the **best working performance** in terms of **speed** and **efficiency.**
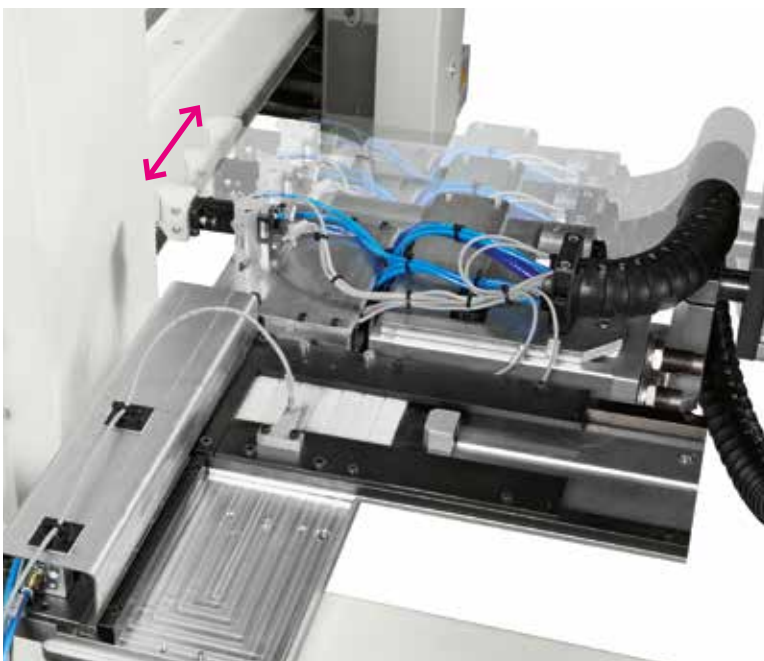
Device for the **automatic gun refill** of staples (up to 1200 staples) **to optimize the production cycle** and **minimize the time for the set-up.**

Double hydraulic, central shoulder with motorized positioning that allows a greater pressure.
Ideal for solid wood doors processing.

Automatic nailing for pre-assembled frames. Ideal device for windows manufacturers.

pack c 100

Automatic cardboard box packaging solutions

Largely automated process based on the following steps:
- **automatic three-dimensional measurement** of product (single or in kits)
- **automatic preparation of its cardboard box,** with **consumption optimisation**
- **facilitated preparation** of the box and its operators filling
- **automatic closing** of the box with hot melt glue

- **Great productivity even with variable-sized products (batch one),**
  minimising the number of operators required.
- **Cardboard consumption optimisation:** this solution reduces the space
  required for storage of cardboard and its handling.
- **Maximising flexibility of work** in terms of dimensional variation of the
  product, having the necessary size box in real time.

PACK C 100
Automatic cardboard box packaging solutions

Installed power	kW	14
Performance	boxes /min	up to 9
Useful operating size (max)	mm	2400 x 1050 x 250 (H)
Useful operating size (min)	mm	400 x 250 x 30 (H)
Translation speed	m/min	60
Working table height	mm	900

Pack t 100: automatic polythene shrinkwrap packaging solutions

Shrink wrap polythene packaging is suitable for all types of products in the furniture industry starting from a medium volume of production (from 100 packs/shift).

- **The solutions** are shaped on the customer's requirements, and they must **involve the requested capacity of production,** type of production and peculiar **requirements of the packaging.**
- **Minimised packaging material space required,** compared to cardboard box packaging solutions.
- **Minimised unitary packaging cost,** compared to cardboard box packaging solutions.

AUTOMATIC POLYTHENE SHRINKWRAP
Automatic polythene shrinkwrap packaging solutions

Pack f 100: automatic polythene stretchwrap packaging solutions with bubble foil

Stretch wrap polythene packaging along with bubble foil is suitable for assembled furniture manufacturers (with low volume production, up to 100 packs per shift), or single/stacked panels (kitchen worktops, bathroom furniture, etc.).

- **Huge efficiency** in terms of **energy saving,** compared to shrinkwrap PE technology.
- **Minimised packaging line space required,** compared to cardboard box packaging solutions.
- **Minimised unitary packaging cost,** compared to cardboard box packaging solutions.

AUTOMATIC POLYTHENE STRETCHWRAP
Automatic polythene stretchwrap packaging solutions

POLYTHENE STRETCHWRAP COMBINED PACKAGING SOLUTIONS
Automatic change of bubble foil bobbins, for furniture manufacturers having dimensional variability and high volume production.

POLYTHENE SHRINKWRAP PACKAGING SOLUTIONS
Automatic side welding and trimming unit for door manufacturers having dimensional variability and high volume production.

AUTOMATIC CARDBOARD BOX PACKAGING SOLUTIONS
Automatic closing of cardboard box starting from a die-cut sheet, for knock down furniture or flooring manufacturers.

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.

scm

WOODWORKING TECHNOLOGIES

Cms

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

es

ELECTRIC PANELS

steelmec

METALWORK

scmfonderie

CAST IRON

scm | *is more*

woodworking technology