**COMPANY PROFILE** 

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# TECHNOLOGY, PERFECTION AND SUCCESS: EVERY **PROMEC** IS A **PROMISE**.

### THE PROMEC FAMILY

PROMEC was born out of friendship and has gone from strength to strength under our family name for sixty years, generation after generation. In May 1953 the Campos & Mantovan workshop was founded in Cittadella (PD) by two friends, Feliciano and Antonio. Expert mechanics and lathe operators, they laid the foundations for the modern company we know today. Thanks to Campos and Mantovan's energy and business acumen, in the space of just a few years that small workshop, which produced woodworking machines, became a fully equipped factory building plants for various industries. Business flourished as this young, flexible company demonstrated a capacity for designing tailor-made solutions built around customers' needs. That spark fanned the flame of development: in 1986, with over 30 years' experience behind it, the company became PROMEC Progettazioni meccaniche Srl. The founders passed their entrepreneurial spirit on to their sons. Over the

years they followed in their fathers' footsteps, steadily giving PROMEC winning qualities: an ability to produce high quality, hard-wearing reliable machines; selection of the best materials on the market; design and construction with a strong focus on technological development; strict pre-shipping testing. Over the years that approach ensured success on a constantly changing market - just as it does today. By 2001 Promec had expanded further. To maximise practicality and

freedom of action the company thus decided to move to a new site in Tombolo (PD) where it specialised, after almost fifty years of doing business, in the manufacture of machines and automatic plants for packaging sheet metal, strip metal and metal coils.

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## A PRODUCTION FACILITY THAT MAKES THE DIFFERENCE

An innovative approach, a winning production set-up. Throughout its history, PROMEC has always known how to renew and innovate, responding quickly to market developments and fast-changing customer needs. This decisive aspect has had a huge influence on market performance. It has given PROMEC the solidity and reliability needed to become a major player in the industry, both in Italy and abroad.

"Production organisation" and "attention to orders" are the cornerstones of a system designed - right down to the last detail - to ensure ultra-high quality products. Key elements of that system include:

**R&D DEPARTMENT:** today, PROMEC can count on a team of specialised plant design and certification technicians, fully qualified to handle the development, manufacture and installation of new machines. Constant investment in research and technology plus hyper-expert skills allow us to ensure total quality and outstandingly high global standards.

**SUPERVISION SYSTEM:** ever-better and ever-more user friendly, these systems let users monitor individual machines and overall plant production progress in real time, even via mobile apps. No project is merely an order to be completed: it is, rather, a unique opportunity to build something technologically advanced that can provide customers with ever-more reliable service.

**TESTING:** we've set aside an entire section of our facility for pre-testing (i.e. the moment when the customer sees the machine in action for the first time before taking delivery). Pre-testing enhances the mutual satisfaction and trust that we've always seen as crucial.

**CERTIFIED QUALITY AND ENERGY SAVINGS**, two aspects that demonstrate PROMEC's focus on a business model that aims to reduce waste and inefficiency and maximise performance without harming the environment.







## COIL **PACKAGING LINE**

A new product that completes our packaging range: integrated coil packaging plants. These plants are made up of a series of stations (one per task) which, via a walking beam, convey the coil through the various packaging stages. These may be performed either manually or automatically and include: circumferential strapping, radial strapping, application of stretch film or paper (on outer and inner coil surfaces), application of corner protection (plastic, cardboard or metal) on the outer and/ or inner diameter, formation of the metallic box on the line. To complement these automatic plants, we've provided a palletization line that lets users perform FULLY AUTOMATIC SET-DOWN OF COILS ON BOTH SADDLE RACKS AND PALLETS (vertical or horizontal axis), then strap them, weigh them, label them and pick them.

Compared to other plants on the market, they can be supplied without any need for a foundation and are designed and madeto-measure for individual customers.





A wide range of on-coil tasks can be performed, either manually or automatically, thanks to a comprehensive range of accessories, such as:



- automatic circumferential and radial strapping machine - weighing systems

- label printer
- automatic nylon wrappers
- automatic paper dispensers
- automatic labellers
- automatic pallet and saddle rack loaders - bar code reader



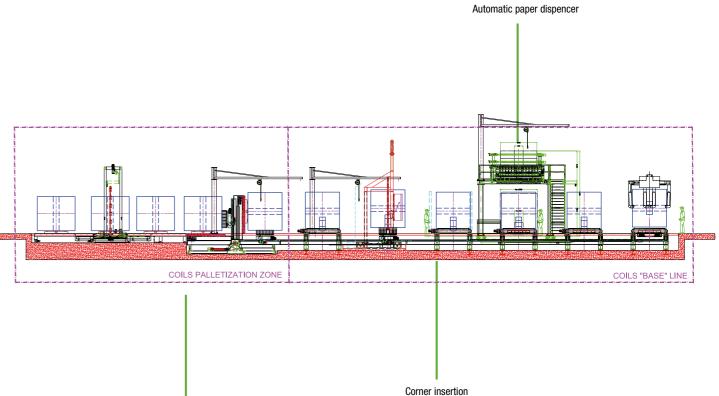
• carbon steel (pickled, pre-painted, galvanized, polished, etc.) • non-magnetic material (stainless steel, copper, aluminium, brass, etc.) • special materials (grain oriented and non-oriented magnetic sheet steel)





- min. material thickness 0.08 mm max. 16 mm - min. hole diameter 150 mm max. 610 mm - min. external diameter 600 mm max. 2800 mm - min. band width 400 mm max. 2500 mm - max. weight 35000 kg





Coil palletization zone from horizontal to vertical Ax15

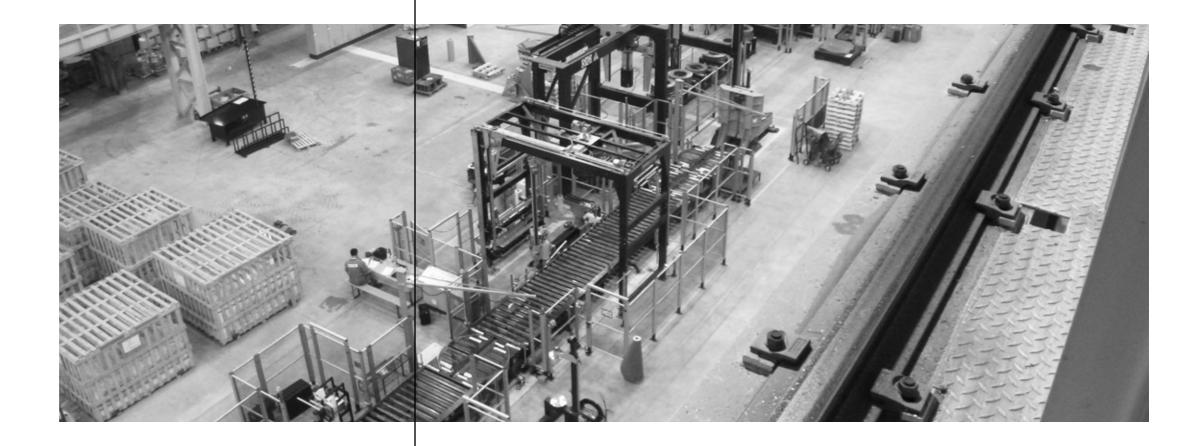
cardboard disk insertion

### **STRIP PACKAGING LINE**

#### FOCUS ON

Strip packaging lines are PROMEC's flagship products. They are combined with slitters to produce strips by cutting coils longitudinally and are used to pick individual strips, strap them and stack them. The strip stacks can, in turn, be removed, strapped on the pallet, packaged, weighed and labelled.

Our modular lines can be custom-assembled as per customer requests to meet all their logistic and production needs. From standard, very simple, low-cost lines to fully automated production units with an extensive range of accessories. Each solution is designed to ensure maximum quality and flexibility.





A wide range of on-strip and on-stack tasks can be performed, either manually or automatically, thanks to a comprehensive range of accessories, such as:

- automatic strip loading system via robot (NEW FLEXIBILITY OF USE)
- bar code readers WITH ACCESSORIES
  - transfer cradles
  - automatic or semi-automatic radial strapping systems - radial and/or circumferential packaging with stretch film - weighing
  - labelling in inner hole and on outer surface with customised labels
  - automatic pallet loading systems
  - vertical axis to horizontal axis stack tippers

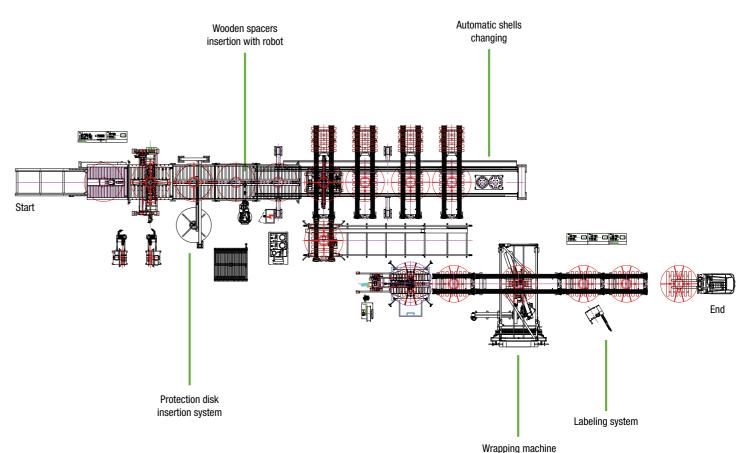
• carbon steel (pickled, pre-painted, galvanized, polished, etc.) • non-magnetic material (stainless steel, copper, aluminium, brass, etc.) • special materials (grain oriented and non-oriented magnetic sheet steel)





- min. material thickness 0.08 mm max. 16 mm - min. hole diameter 150 mm max. 610 mm - min. external diameter 400 mm max. 2200 mm - min. band width 7 mm max. 850 mm - max. weight 9500 kg

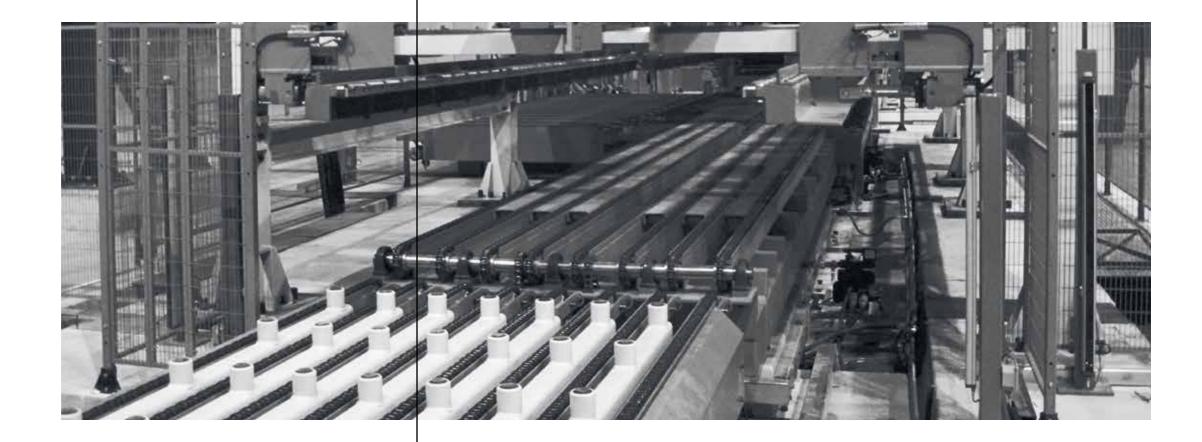




### **STACKING MACHINES**

#### FOCUS ON

These machines are coupled with straightening lines and let producers stack straightened steel sheets and obtain perfectly squared-off packs. PROMEC produces various stacking machine models (magnetic, mechanical, stop and non-stop, single/ double/triple-box) designed according to straightener type and speed, the material to be processed and the customer's specific needs. Moreover, stacking machines feature an "anti-scraping" system that draws sheets one at a time and sets them down by vertical drop, one on top of the other, without damaging the surfaces.









PROMEC can complete stacking machines with the following:

- multipack stacking systems
- pallet loaders - infeed conveyor belts
- elevator platforms
- sheet marking/punching systems - pinch-roll



Moreover, several combinations are available for each system series, from the STANDARD to the FULL-OPTIONAL type.

WITH ACCESSORIES

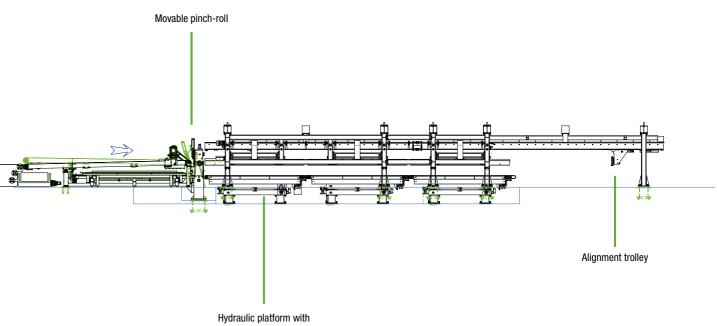
• carbon steel (pickled, pre-painted, galvanized, polished, etc.) • non-magnetic material (stainless steel, copper, aluminium, brass, etc.) • special materials (grain oriented and non-oriented magnetic sheet steel)





- min. thickness 0.1 mm max. 25.4 mm - min. length 400 mm max. 20000 mm - min. width 400 mm max. 2800 mm



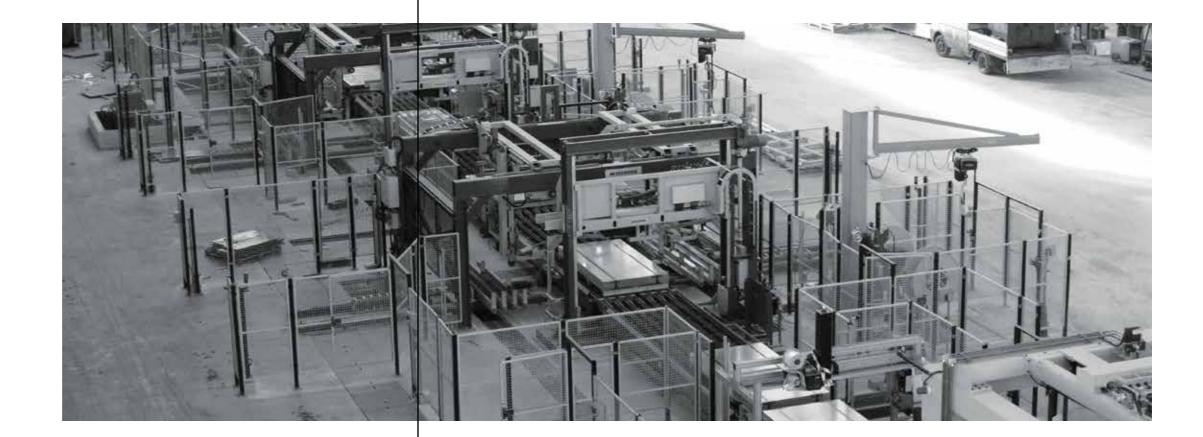


### PACK **PACKAGING LINES**

#### FOCUS ON

These lines receive packs produced by the stacking machine and remove them. Packs can be gathered, coupled on pallets, packaged with paper and nylon, strapped, weighed, labelled and picked. Modular and flexibly combined, these lines can also - thanks to a vast range of accessories - be assembled in different ways to provide different layouts, solving even the most complex problems.

Each system series offers various combinations, ranging from the STANDARD to the FULL OPTIONAL type, depending on the accessories needed to satisfy customer requirements: from the standard, simple affordable line to top-of-the-range solutions that perform fully automatic handling of every pack removal and packaging task, final labelling included.





A wide range of tasks can be performed on multiple packs, either manually or automatically, thanks to a comprehensive range of accessories, such as:



- automatic or semi-automatic longitudinal and transverse strapping systems
- packaging with stretch film, nylon or protective VCI paper
- weighing
- labelling with customised labels or marking with ink-jet systems

- automatic systems for loading pallets into the stacking machine or pack-pallet coupling on the line - automatic pack stacking

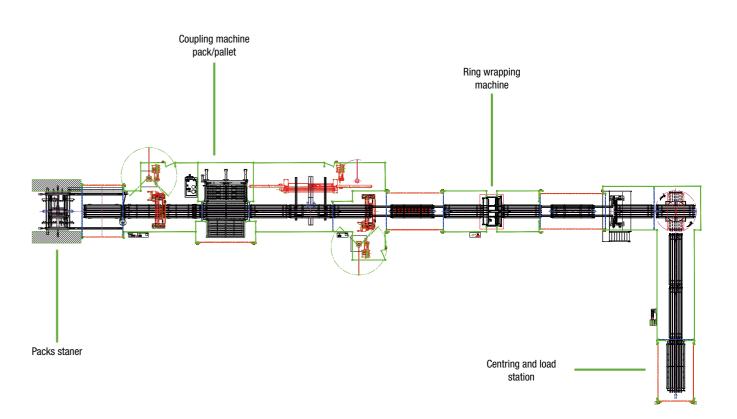
• carbon steel (pickled, pre-painted, galvanized, polished, etc.) • non-magnetic material (stainless steel, copper, aluminium, brass, etc.) • special materials (grain oriented and non-oriented magnetic sheet steel)





The admissible size for packs is very broad: - min. length 400 mm max. 20000 mm - min. width 400 mm max. 2800 mm - max. height 500 mm (non-binding measurement) - max. weight 20000 kg (to be agreed according to length)





### **ACCESSORIES**

#### **AUTOMATIC STRIP STRAPPING MACHINE**

Automatically applies radial straps on each strip. One- or two-head versions available, for both plastic and metal straps. **AUTOMATIC SPACER INSERTION MACHINE** 

Automatically places spacers on the strips in multiple positions to separate them when a stack is formed.

#### **AUTOMATIC STACK STRAPPING MACHINE**

Automatically applies radial straps on stacks to secure them to the pallet. One- or two-head versions available, for both plastic and metal straps.

#### AUTOMATIC PALLET MAGAZINE (Img. 01)

Lets users load a stack of pallets and then insert them on the packaging line one at a time via a motorized shuttle as necessary.

### AUTOMATIC STACK WRAPPING MACHINE (Img. 07)

Automatically wraps the stack circumference with stretch polyethylene. A nylon sheet can also be placed on top of the stack to water-proof the pack.

AUTOMATIC LABELLING MACHINE FOR STRIPS OR STACKS (Img. 05) Automatically applies an adhesive label - customised with the data requested by the customer - on the strips or stacks.

#### PACK-PALLET COUPLING SYSTEM (Img. 08)

Lets users position the pallet under the pack automatically. AUTOMATIC LABELLING MACHINE FOR PACKS (Img. 03)

Automatically applies an adhesive label - customised with the data requested by the customer - on the pack.

PACK STACKER (Img. 02)

Automatically picks packs at the end of the packaging line and stacks them on the floor.

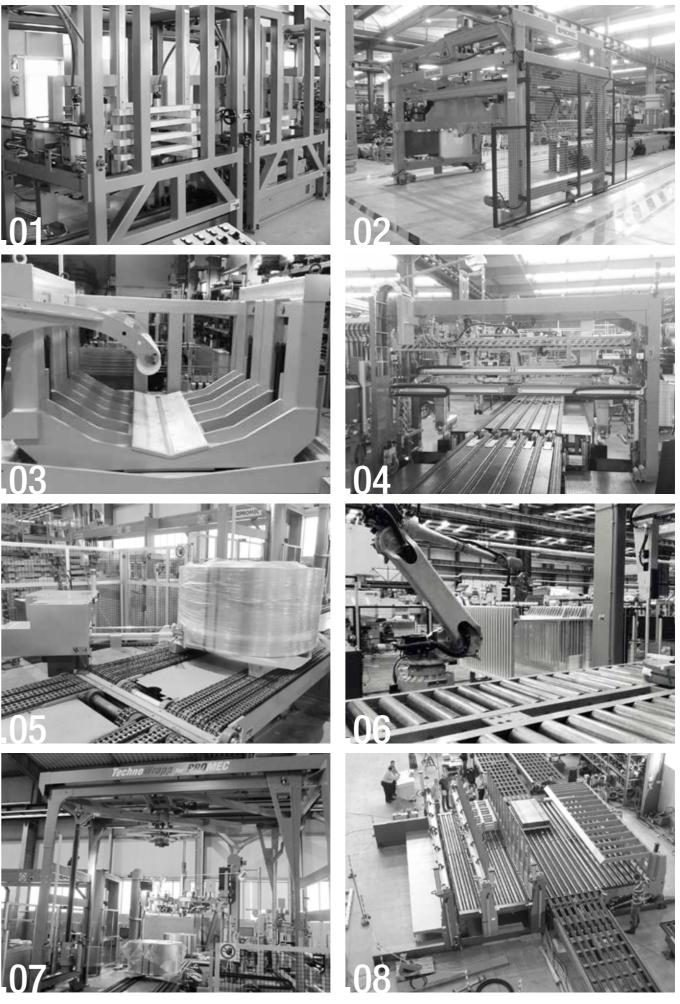
#### AUTOMATIC PACK STRAPPING MACHINE (Img. 04)

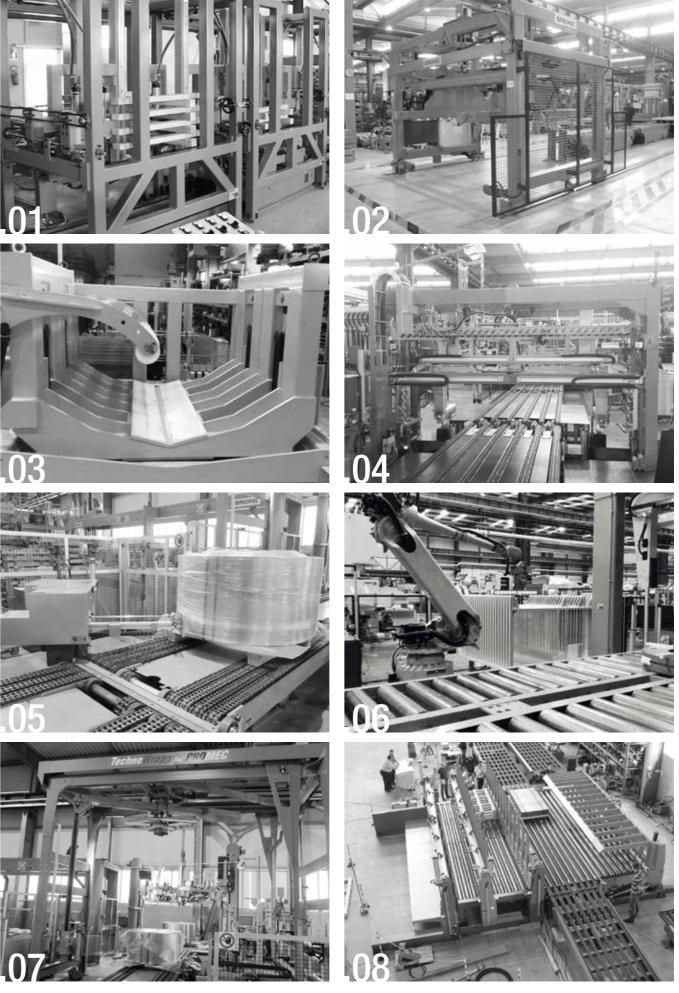
These machines automatically apply longitudinal or transverse straps on the packs. Versions for both plastic and metal strapping are available, with automatic positioning of edge guards if necessary. AUTOMATIC PACK WRAPPING MACHINE

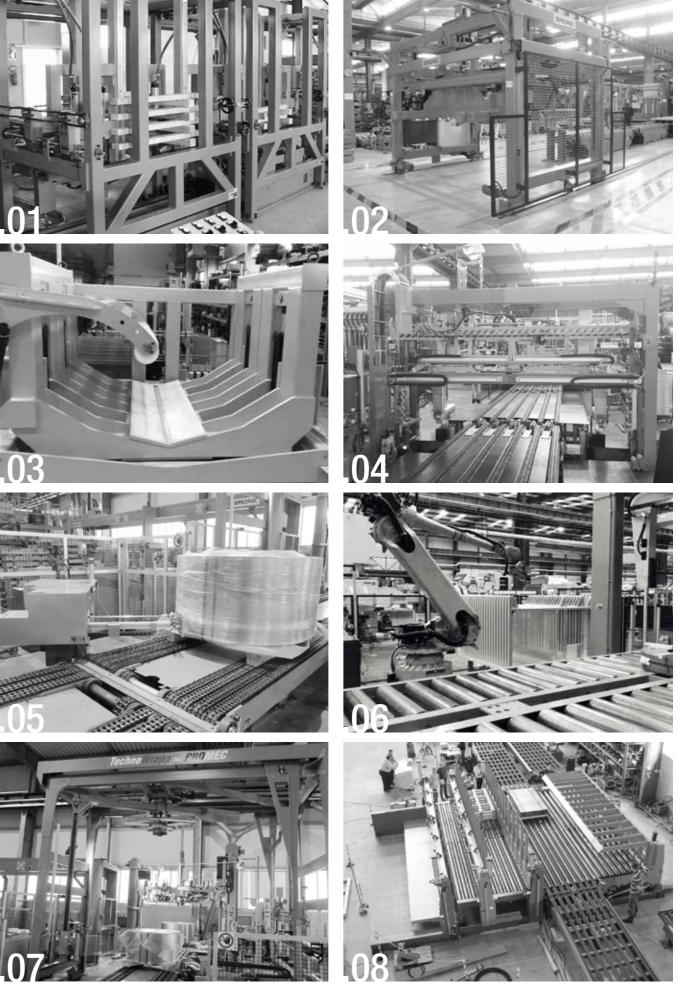
Automatically wraps packs in stretch polyethylene. WEIGHING SYSTEM

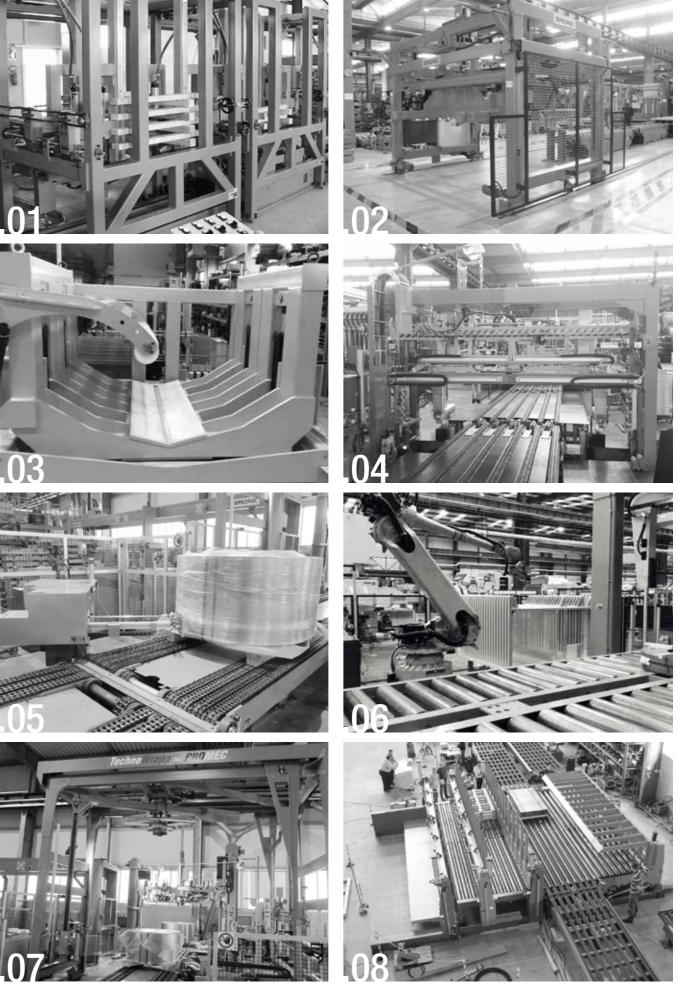
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Automatically guided carriages or saddle racks COIL/STRIP TRANSFER CRADLE WITH PRESS ARM (Img. 03)









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