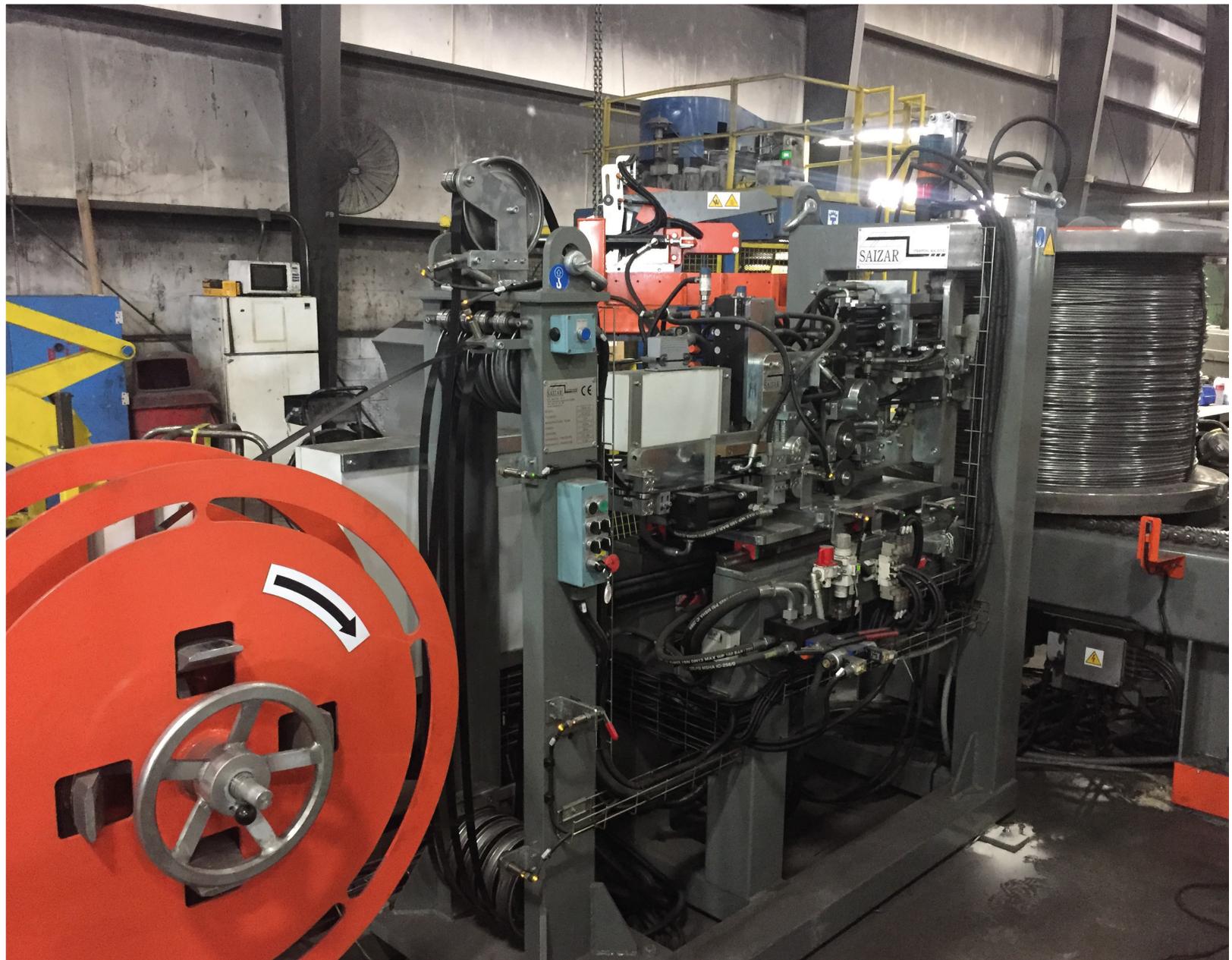




*STRAPPING MACHINES*



**STRAPPED TO THE FUTURE**



Greetings from President,

40 years of experience in the steel industry ensure the ability Jose Saizar has to lead a team of specialists and pursue big goals.

It was in 2002 when, after studying the needs of the market, we realized that the major manufacturers of automatic strapping machines don't take care off many aspects like the after sales technical service which in my philosophy are very important because have a high value for the customers.

The activity of the company focused in designing, manufacturing and commercialization of Automatic Packaging Lines and Automatic Strapping Machines with steel and polyester strap for the steel industry, always focusing in the innovation and manufacturing of new products which bring benefits to the customers.

Being a market dominated by large multinationals, SAIZAR Strapping machines differs from the competence offering an own and innovative product, internationally patented and with high quality technology.

We committed ourselves to going ahead in an attitude to be a global company and continue satisfying the needs of our customers in the best way.

Best Regards !

JOSE SAIZAR  
PRESIDENT  
SAIZAR Strapping machines



HISTORY

**1992** – Jose Saizar founded the company Saizar Workshops, which began its activities in repair, assembly and manufacture of industrial machinery for the steel industry.

**1995** – The company expanded its facilities of Belauntza (Spain), creating more jobs.

**1999** – Saizar Workshops won a bid to manage the work for the dismantling and removal of all the machinery from a coin manufacturing plant, the company Monnaie de Paris (Pessac - France).

**2000** – Saizar Workshops began with the installation and commissioning of all the machinery brought from Monnaie de Paris in the facilities of "Laminados de Aretxabaleta" (a roll mill situated in Aretxabaleta, Spain)

**2000** – Saizar Workshops built new industrial machinery for the preparation of brass band for the company "Laminados de Aretxabaleta" (Aretxabaleta - Spain)

**2002** – The company changed its name to be renamed SAIZAR SL.

**2004** – The mission of SAIZAR was focused on manufacturing our own product and when we take care off the problems the steel mills had with the strapping lines, it was when SAIZAR decided to start manufacturing SAIZAR brand automatic strapping machines.

**2005** – Applied for the 1st international level patent of the CASA-32 strapping head.

**2007** – Applied for 2nd and 3rd international level patent of the CASA strapping head and the strapping machine with incorporation of rings in automatic mode.

**2008** – Applied for the 4th international level patent of the pallet strapping machine.

**2009** – Due to the global economic situation, Saizar focused its efforts on product innovation projects.

- **SAIZAR was the 1st company worldwide** in manufacturing the automatic polyester strapping machine, able to perform the strapping with 32mm polyester strap.

- **SAIZAR was also the 1st company worldwide** in manufacturing the combined automatic strapping machine able to perform the strapping either with steel or polyester 32mm strap.

- This year was also set the internationalization strategy in the company planning. We started with some projects in foreign countries.

**2010** – Applied for the 5th international level patent of the CASP-32 strapping head.

**2010** – Starts focusing in Complete Automatic Packaging Lines solutions.

**2014** – Extension of the actual facilities creating more offices.

**2015** – Reach to the sale number 100 in Automatic Strapping Machines.

**2018** – Start with the building of a new pavilion to answer the different international projects.

PATENTS

Different heads and automatic strapping machines.



## ACTIVITY

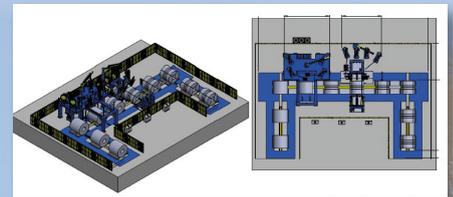
SAIZAR Strapping Machines is a company specialized in supplying all kind of strapping solutions for the steel industry. We design and manufacture the solutions taking into account customer needs as well as the circumstances of their production plant, exploring all the possibilities and considering the best option, in order to offer to the customer a customized solution that satisfied their needs.

Apart from the steel industry, SAIZAR also offers solutions for the agricultural, lumber and construction industry among other. The total adaptability of our solutions makes SAIZAR the most suitable supplier to work with.

SAIZAR Strapping machines activity:

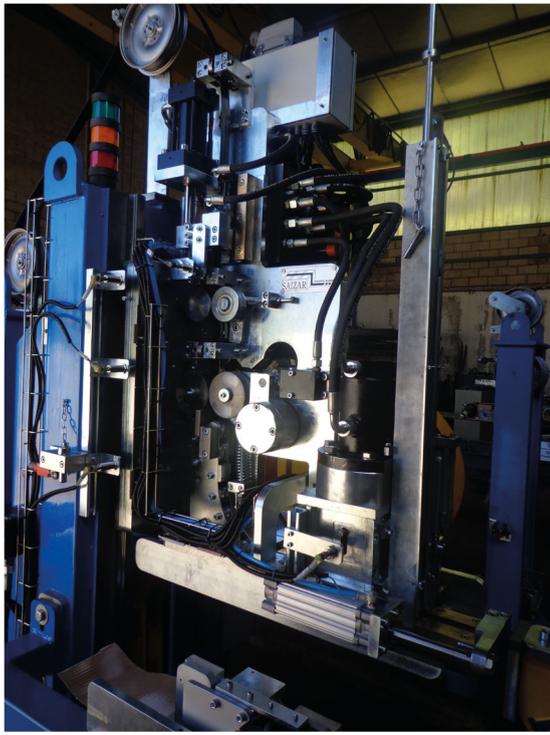
- Design, manufacturing and supply Automatic Strapping/Packaging Lines
- Design, manufacturing and supply Automatic Strapping Machines for steel and /or polyester strap
- Design, manufacturing and supply Automatic Strapping Heads for steel or polyester strap
- Technical assistance, after sales service and spare parts supply

## MISSION AND VALUES



# SAIZAR Strapping Heads

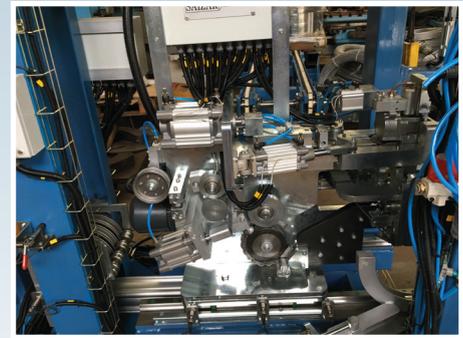
SAIZAR strapping heads perform the strapping with steel or polyester strap. SAIZAR manufactures two type of heads for polyester strapping and two type of heads for steel strapping. All the heads are able to perform the strapping to any type of round, square, hexagonal packages or even different coils, profiles, etc.



◀ **CASA16-19/25-32**  
with linkers strapping jaw



▶ **CASA16-19/25-32**  
with notching strapping jaw



▶ **CASP16-19/25-32**  
with friction strapping jaw

Technical features	CASA 16-19	CASA 25-32	CASP 16-19	CASP 25-32
□ Length	700mm	700mm	750mm	750mm
□ Width	700mm	700mm	750mm	750mm
□ Height	850mm	850mm	850mm	850mm
□ Strap width	16-19mm	25-32mm	16-19mm	23-32mm
□ Strap thickness	0.6-1.00mm	0.8-1.20mm	0.6-1.52mm	0.8-1.52mm
□ Type of strap	Steel	Steel	Polyester (PET)	Polyester (PET)
□ Seal	Notch/TIG welding/ Linkers	Notch/TIG welding/ Linkers	Friction	Friction
□ Strap resistance	80%-90% Breaking load	80%-90% Breaking load	80% Breaking load	80% Breaking load
□ Feeding/collection speed	1.5 m/s	1.5 m/s	1.5 m/s	1.5 m/s
□ Max. tensioning	7000N-16000N	7000N-20000N	4500N-5000N	5500N-6000N
□ Type of working	Hydraulic	Hydraulic	Electric-Pneumatic	Electric-Pneumatic
□ Weight of the head	230Kg	240Kg	200Kg	210Kg

SAIZAR also offers the possibility of manufacturing combined heads, able to mix various strap widths, using different type of consumables, depending on the needs of each customer. Furthermore the strapping heads manufactured by SAIZAR are intelligent because they always know the position of the strap and they try to solve automatically the problems they may have during the feeding/collection process of the strapping.

## DIFFERENT SEALS OF THE STRAP



Sealing performed by notching, can be done from 3 to 5 notches being in the same sense or in the opposite sense



Sealing performed by TIG welding points, can be done from 1 to 4 welding points.

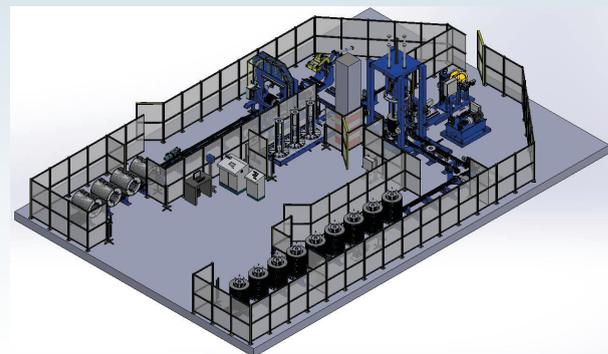
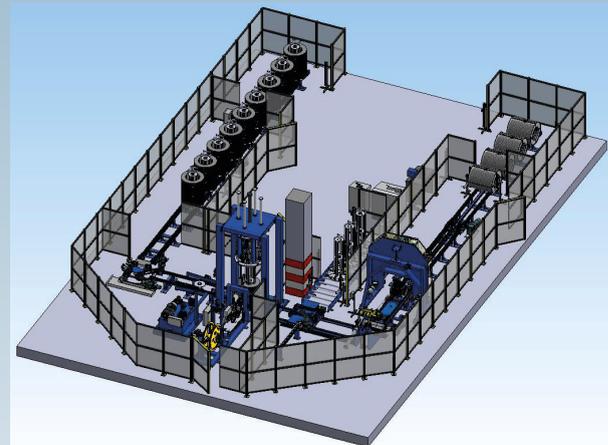


Sealing performed by linkers.



Sealing performed by friction.

# Automatic solutions for wire coils

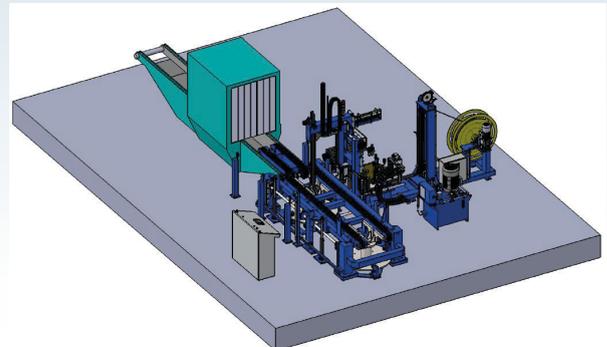
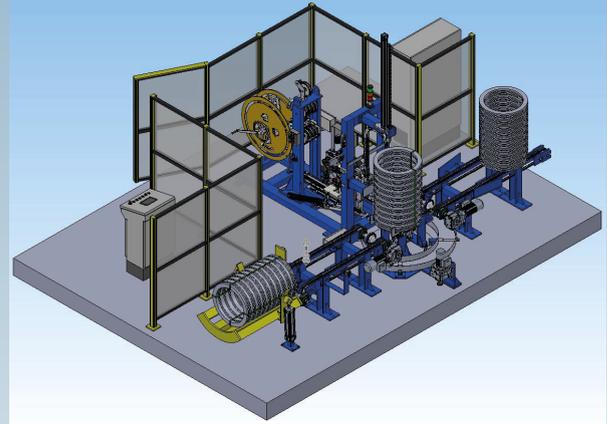


## FEATURES

- The Automatic Packaging Line for wire coils introduced in their baskets is composed by the following elements: chains conveyors, rotation tables, centring system, strapping table with rotation system integrated, automatic compactor, automatic strapping machine for steel and /or polyester strap, system to remove the wire coil from the basket, system to evacuate the empty basket, weighing system, automatic wrapping machine, labelling system, etc.
- These are the dimensions of wire coils that can be manipulated in the Line:

	Minimum	Maximum
Outer diameter	500	1000
Inner diameter	300	700
Width (after being pressed)	300	900

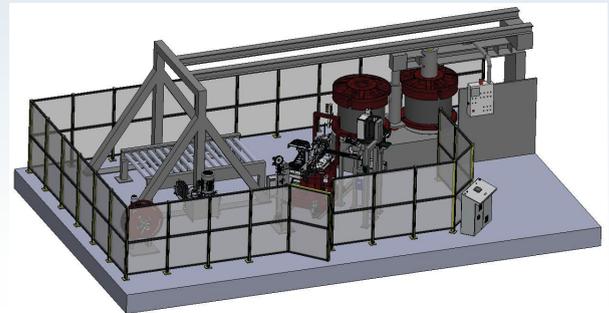
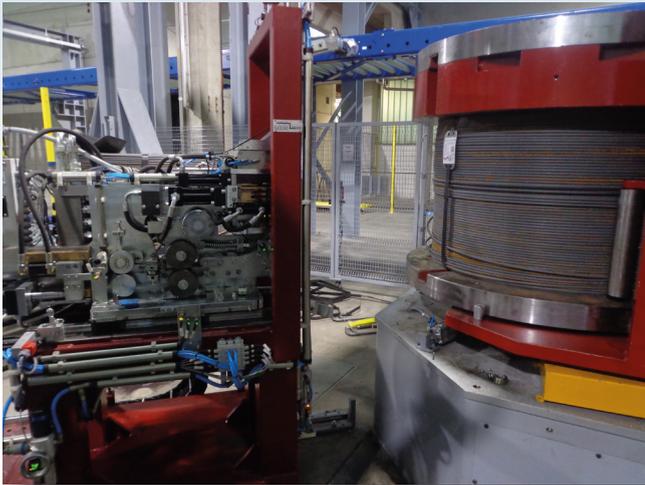
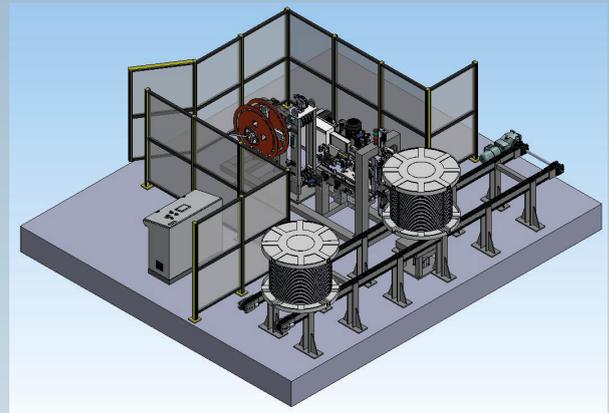
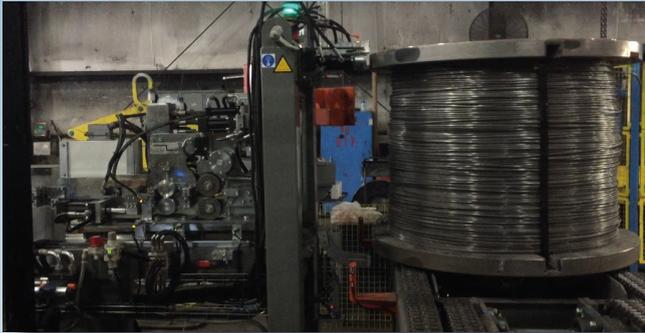
# Automatic solutions for wire coils



## FEATURES

- The Automatic Strapping Line for wire coils could be composed by the following elements: chains conveyors, strapping table with rotation system integrated, automatic strapping machine for steel and /or polyester strap, weighing system, automatic wrapping machine, labelling system, etc.
- The Automatic Strapping Machine of the Line apart from introducing the strap can introduce O-rings, cardboard protection, metallic/plastic label plates, etc.
- The Automatic Strapping Lines can be adapted to any dimension of the products and the solution will be designed accordingly.

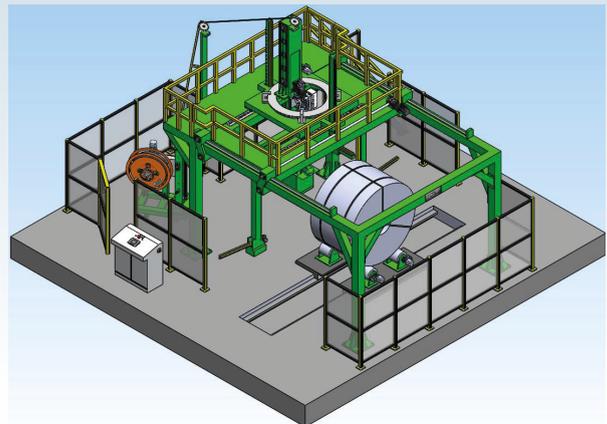
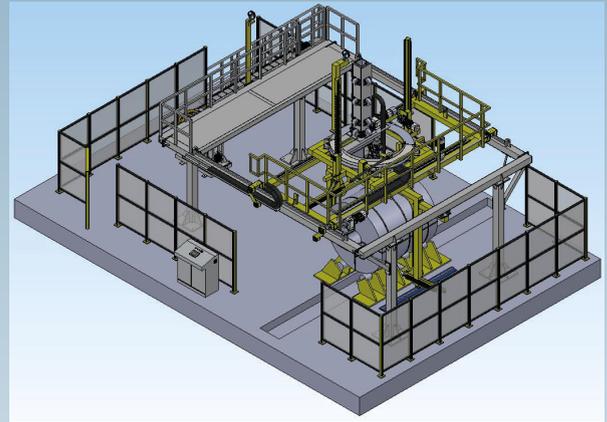
# Automatic solutions for wire coils



## FEATURES

- This type of strapping machines are designed to strap the wire coils while the same are introduced in the spooler of the Line of the customer.
- Apart from the Automatic Strapping Machine, also can be supplied different elements, such as the displacement system for the spooler, strapping table with rotation system, system to evacuate the spooler from the strapping position, etc.
- The Automatic Strapping Machines apart from introducing the strap can introduce O-rings, cardboard protection, metallic/plastic label plates, etc.
- The Automatic Strapping Machines can be adapted to any dimension of the product and the solution will be designed accordingly.

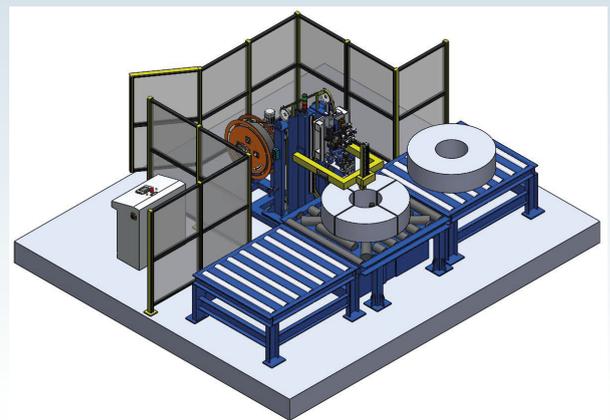
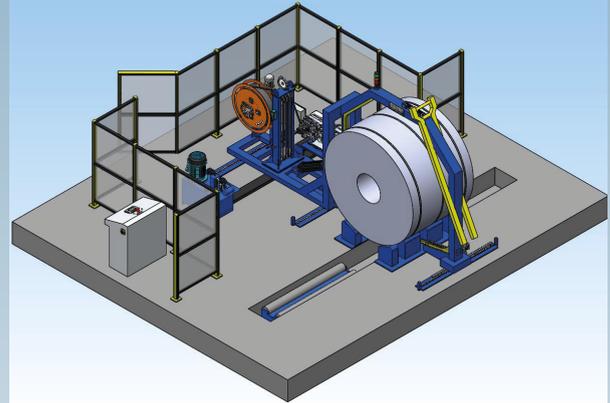
# Automatic solutions for the OD/ID strapping of coils



## FEATURES

- These Automatic Strapping Machines are designed to perform the OD and ID strapping in the same station. These machines can work while the eye of the coil is displaced parallel or perpendicular to the transport direction as well as with the eye in vertical position.
- The Automatic Strapping Machine, apart from introducing the strap, can introduce sealing protectors, corner protectors, metallic/plastic label plates, stickers, OD protectors, etc.
- Apart from the Automatic Strapping Machine can be supplied different elements such as system for the displacement of the coil (walking beam, carriage, etc.) rotary turrets, rotation systems, supports, wrapping machines, system to introduce the pallets, etc.
- The Automatic Strapping Machines can be adapted to any dimension of the product and the solution will be designed accordingly.

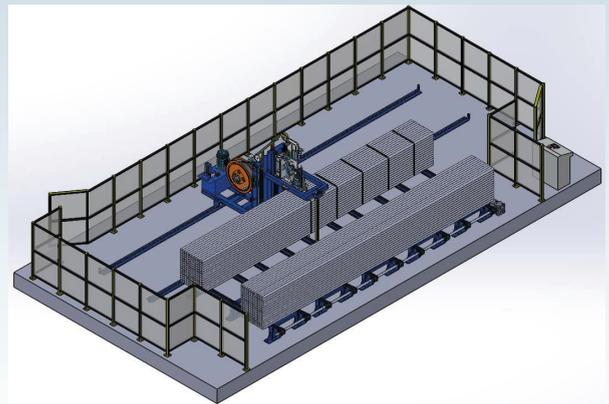
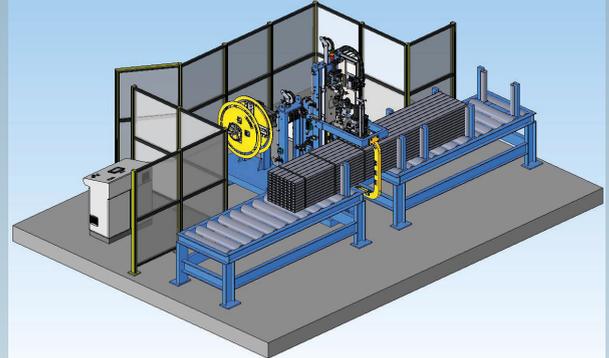
# Automatic solutions for the OD/ID strapping of coils



## FEATURES

- The Automatic Strapping Machine can work while the eye of the coil is displaced parallel or perpendicular to the transport direction as well as with the eye in vertical position.
- The Automatic Strapping Machine, apart from introducing the strap, can introduce sealing protectors, corner protectors, metallic/plastic label plates, stickers, OD protectors, cardboard, etc.
- Apart from the Automatic Strapping Machine can be supplied different elements such as system for the displacement of the coil (walking beam, carriage, etc.), rotary turrets, supports, roller conveyors, tilting device, strapping table, wrapping machines, system to introduce the pallets, lifting system to form packages (with magnet or without magnet), etc.
- The Automatic Strapping Machines can be adapted to any dimension of the product and the solution will be designed accordingly.

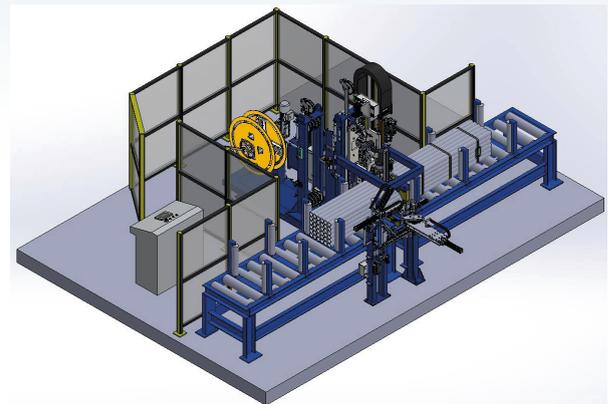
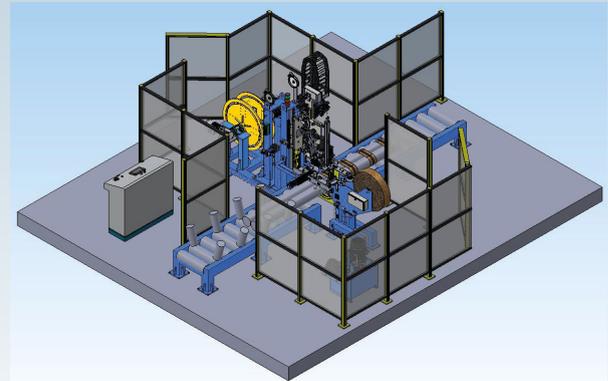
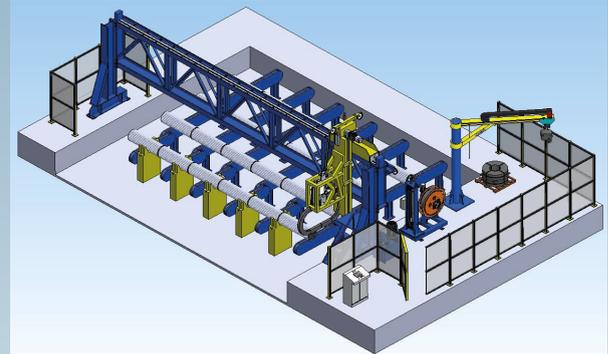
# Automatic solutions for tubes bundles



## FEATURES

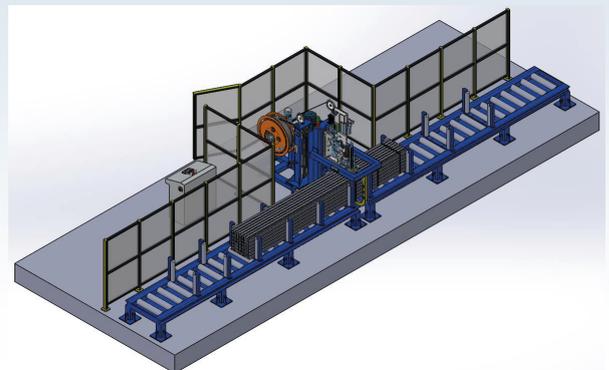
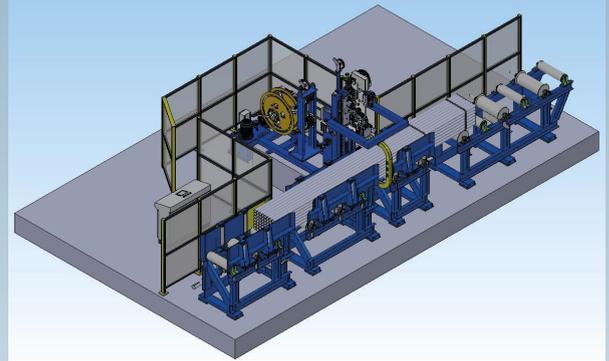
- The Automatic Strapping Machine can be designed in a fix position, being the bundle displaced to each strapping position or the Automatic Strapping Machine can be designed with lateral displacement while the bundle is in a fix position.
- The lateral displacement of the machine can be designed in three ways: through some wheels in the floor, through a support in one side of the bundle or through a support in the top part of the bundle.
- The Automatic Strapping Machine, apart from introducing the strap, can introduce sealing protectors, corner protectors, metallic/ plastic label plates, stickers, cardboard, etc.
- Apart from the Automatic Strapping Machine can be supplied different elements such as the bundling system, roller conveyors, chains conveyors, wrapping machines, weighing system, labelling system, etc.
- The Automatic Strapping Machines can be adapted to any dimension of the product and the solution will be designed accordingly.

# Automatic solutions for bars bundles



- The Automatic Strapping Machine can be designed in a fix position, being the bundle displaced to each strapping position or the Automatic Strapping Machine can be designed with lateral displacement while the bundle is in a fix position.
- The lateral displacement of the machine can be designed in three ways: through some wheels in the floor, through a support in one side of the bundle or through a support in the top part of the bundle.
- The Automatic Strapping Machine, apart from introducing the strap, can introduce sealing protectors, corner protectors, metallic/plastic label plates, stickers, cardboard, etc.
- Apart from the Automatic Strapping Machine can be supplied different elements such as the bundling system, roller conveyors, chains conveyors, wrapping machines, weighing system, etc.
- The Automatic Strapping Machines can be adapted to any dimension of the product and the solution will be designed accordingly.

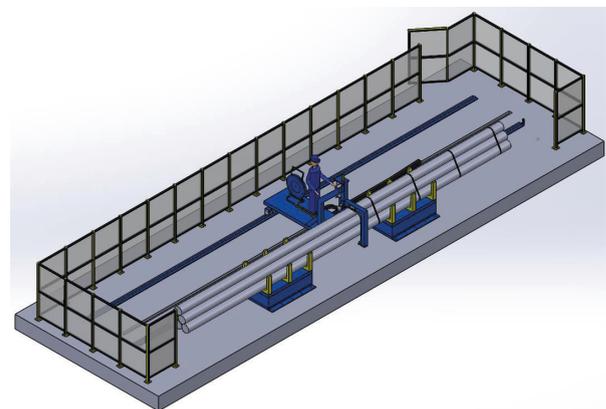
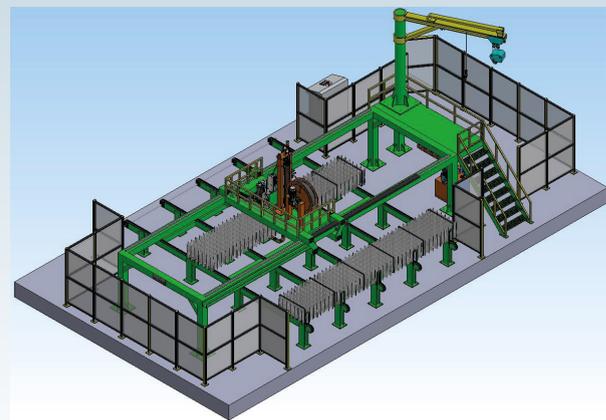
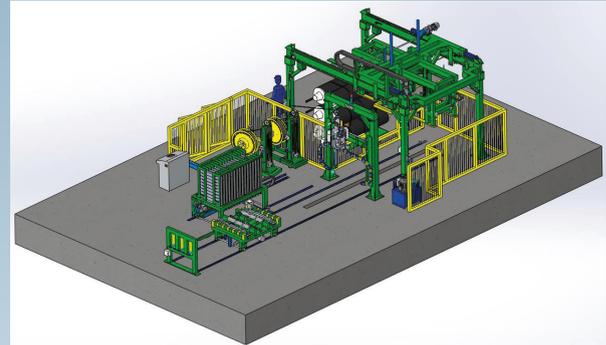
# Automatic solutions for profiles bundles



## FEATURES

- The Automatic Strapping Machine can be designed in a fix position, being the bundle displaced to each strapping position or the Automatic Strapping Machine can be designed with lateral displacement while the bundle is in a fix position.
- The lateral displacement of the machine can be designed in three ways: through some wheels in the floor, through a support in one side of the bundle or through a support in the top part of the bundle.
- The Automatic Strapping Machine, apart from introducing the strap, can introduce sealing protectors, corner protectors, metallic/plastic label plates, stickers, cardboard, etc.
- Apart from the Automatic Strapping Machine can be supplied different elements such as the bundling system, roller conveyors, chains conveyors, wrapping machines, weighing system, etc.
- The Automatic Strapping Machines can be adapted to any dimension of the product and the solution will be designed accordingly.

## Other type of solutions



- SAIZAR can also supply solutions for different products (mesh sheet, reinforced bars, etc.) and for different industries such as graphite, construction, lumber, etc.
- Apart from automatic systems, SAIZAR can supply semi-automatic strapping machines being the feeding process automatic and the strapping process manual. This system can also have lateral displacement or be in a fixed position, depending on customer requirement.

# Looking for new markets

Our mission is to become a global company and provide our machines and services around world, being a referent in some markets.

We have a very good human team of specialists in the market research, which is working hard and side by side with our Marketing department in order to show to the world who we are and what we can do.

We have very ambitious objectives and we know that this means to work hard and tireless, always focussing in adapting us to the change of the market and our costumer's needs.

The SAIZAR philosophy is to build a strong team composed of SAIZAR specialists in all areas, SAIZAR agents & distributors in foreign countries able to offer our services to the costumers with efficiency and reliability whatever they are from.

In order to obtain such goals, SAIZAR participates every year in the most important exhibitions around the world, such as Wire & Tube in Dusseldorf, Euroblech in Hannover, Ankiros in Istanbul, etc.

To be as close as possible from our customers, we give the possibility to each customer to study their requirement and their needs visiting their plant, analyzing their situation, offering and demonstrating them without any compromise.



SAIZAR has begun its expansion in very competitive markets around the world.

# Customers worldwide



SAIZAR's team with a satisfied Thai customer after the installation of an Automatic Strapping Machine at their plant.

# SAIZAR IN THE WORLD



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