



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 costumers.

The activity of the company focused on designing, manufacturing and commercialization of steel and polyester automatic strapping machines, designing always focused in the innovation and manufacturing new products that bring benefits to the costumers.

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 costumers 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.

2011 – Started the development and manufacturing of the automatic 41mm polyester strapping machine

PATENTS

Different heads and automatic strapping machines.



ACTIVITY

We are a company capable to provide all type of strapping solutions the costumers needs. We adapt our machines to what customers require and the circumstances of their production plant, exploring all possibilities and always considering the best one.

SAIZAR Strapping machines activity:

- Design & manufacture steel & polyester SAIZAR automatic strapping machines
- Design & manufacture steel & polyester SAIZAR automatic heads
- Replace steel & polyester automatic heads of the other brands
- Maintenance & repair service to our machines and other brands machines
- Spare parts supply for strapping machines of all brands
- Modify, improve and sell pneumatic and battery strapping machines
- Polyester & steel strap supply

MISSION AND VALUES

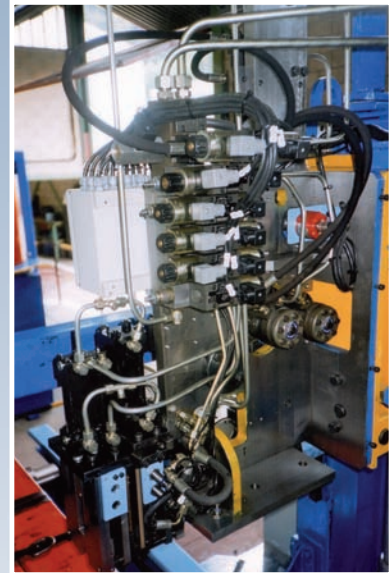


SAIZAR Strapping Heads

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, without any problem.



CASP16-19/25-32



CASA16-19/25-32

Technical features	CASA 16-19	CASA 25-32	CASP 16-19	CASP 25.32
☐ Dimensions:				
Length	800mm	900mm	750mm	850mm
Width	700mm	700mm	750mm	850mm
Height	1000mm	1100mm	850mm	900mm
☐ Strap width	16-19mm.	25-32mm.	16-19mm.	25-32mm
☐ 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 points	Notch/TIG welding points	Vibration	Vibration
☐ Welding time	0,5 – 2 seconds	0,5 - 2 seconds	0,5 - 2 seconds	0,5-2 seconds
☐ Strap resistance	80%-85% Breaking load	80%-85% Breakingload	80% Breakingload	80% Breaking load
☐ Collection speed	2 m/s	2 m/s	2 m/s	2 m/s
☐ Feeding speed	2 m/s	2 m/s	2 m/s	2 m/s
☐ Tension speed	0,2 m/s	0,2 m/s	0,1 m/s	0,08 m/s
☐ Max. Tension	7000 N-15000N	7000 N-18000N	5500 N	6500 N
☐ Hydraulic pressure	90kg	90kg	-	-
☐ Tension time	0,5 seconds	0,5 seconds	0,5 seconds	0,5 seconds
☐ Feeding/Tensioning	Hydraulic	Hydraulic	Pneumatic	Pneumatic
☐ Electric power	2 Kw	2 Kw	0,5 Kw	0,5 Kw
☐ Work pressure	-	-	6 bar	6 bar
☐ Consumption of air	-	-	110 l/cycle	120 l/cycle
☐ Electro valve coil tension	24 V C.C	24 V C.C	24 V C.C	24 V C.C
☐ Weight of the head	190 kg	200 Kg	80Kg	90Kg

SAIZAR also offers the possibility of manufacturing combined heads, able to mix various widths strapping, using different type of bands (steel and polyester), depending on the needs of each client.

DIFFERENT SEALS OF THE STRAP



Sealing performed by notching, can be done from 3 to 5 notches.



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



Sealing performed by friction-vibration.

Radial and circumferential strapping of coils

Coil circumferentially strapped by the automatic strapping machine with 32mm steel strap.



Strapping machine for the 32mm polyester strapping of cold coils

FEATURES

- These strapping machines are able to perform the strapping indistinctly with steel and polyester band.
- To be possible to use one type of band or the other, the head of the strapping machine must be substituted.
- The substitution of the head is very simple, it can be done in 10 minutes.
- Depending on the characteristics of the coils that are going to be strapped, the costumer can decide type & size of material to use, being possible to vary from 25-32mm.
- This strapping machine is able to perform the strapping with different type of bands, widths and thicknesses.

FEATURES

- These strapping machines have a combined head, able to perform the strapping with steel or polyester band.
- Each strapping machine carries two unwindings, two strap accumulators, one head and one guide arc.
- To change the strapping process, only some parameters in the control desk has to be changed, it can be done in a few seconds.
- Depending on the features of the coils are going to be strapped, the costumers can choose what type of material use, being possible to vary sizes between 25-32mm and different thickness.



Automatic strapping machines for the circumferential and radial strapping of coils (with rings incorporation) with steel and polyester strap.

Circumferential strapping of coils



Strapping machine for the circumferential strapping of cold coils with 32mm polyester strap.



Strapping machine with vertical head for the circumferential strapping of slit coils with steel strap.



General view of the FASP 25-32 automatic strapping machine.



Strapping machine with horizontal head for the circumferential strapping of coils with polyester strap, situated in the pickling line.

FEATURES

- SAIZAR Strapping machines can be adapted to the available space and needs of each customer.
- These machines can strap any coils with different measures and characteristics.
- The strapping machine can be fixed with movement of the head (horizontal or vertical movement) or can displace to perform the strapping in the different widths of coils.
- The performed strapping can be with steel or polyester strap from 16mm to 32mm.
- SAIZAR can manufacture all the strapping line with the strapping machine and coil car or conveyor to transport the coil to the finish line.

Circumferential and radial strapping of coils



Strapping machine for the circumferential strapping of hot strip coils with 32mm steel strap.



Strapping machine for the radial strapping of hot strip coils with 32mm steel strap.

FEATURES

- These strapping machines are prepared for the strapping of coils with a temperature of 800°C.
- All the elements of the strapping machines are protected and insulated to withstand the heat of the environment.
- The heads have a horizontal movement to perform the strapping of the coils.
- The circumferential strapping machine can move laterally to make the circumferential strapping in different widths of the coil.
- SAIZAR can manufacture the coil car with lateral and rotary movement to do the radial strapping of coils.
- These strapping machines perform the sealing by notching or TIG welding points.



Strapping machine in circumferential strapping position



Strapping machine in radial strapping position

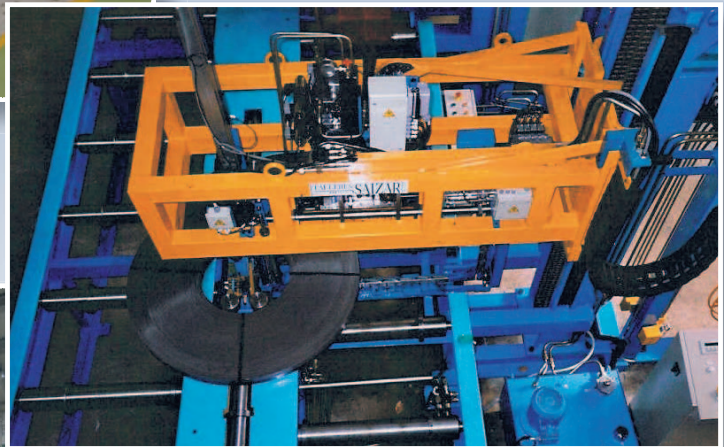
FEATURES

- This strapping machine is designed to perform circumferential and radial strapping of coils.
- To perform the different circumferential straps to the coil, the strapping machine moves laterally.
- To do the radial strapping, the strapping machine once has reached the rotation point, turn 90°, positioning at the front of the coil.
- The head along with the arc and the spear have a rotation system to perform the radial strapping in the different angles of the coil.
- All the strapping process is in automatic mode.

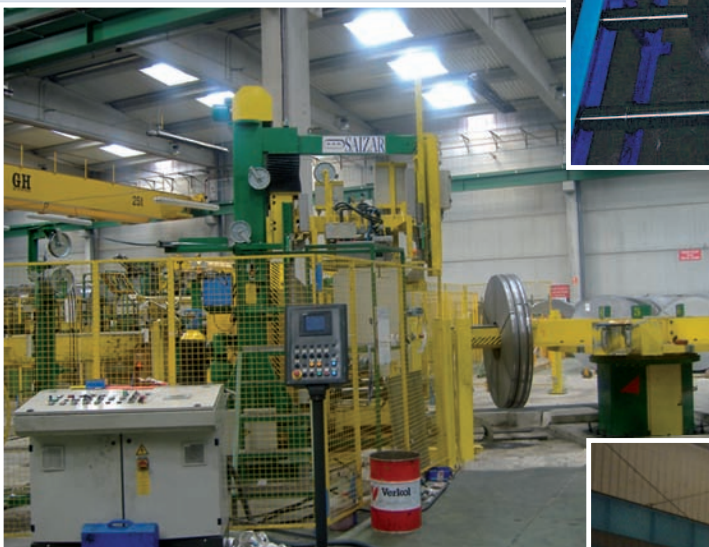
Radial strapping of coils



Coils strapped with steel strap.



Strapping machine for the radial strapping of coils with 19mm steel strap



General view of the automatic strapping machine for the radial strapping of coils with 25mm steel strap



Strapping machine for the radial strapping of coils with 19mm steel strap

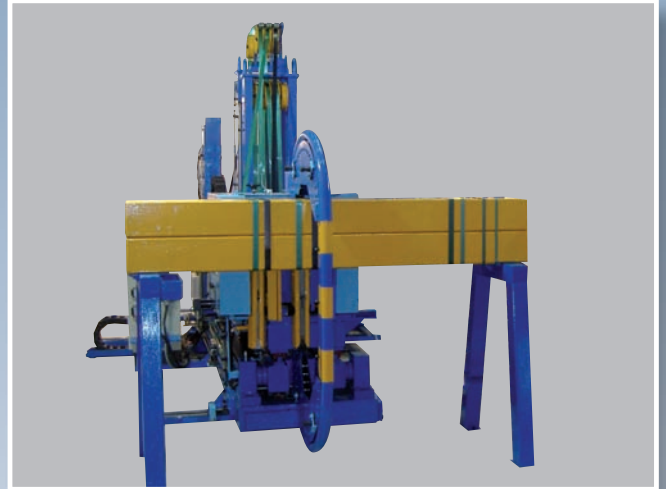
FEATURES

- These strapping machines can perform the radial strap at different positions of the coil.
- The head has a vertical movement towards to the coil is going to be strapped.
- SAIZAR can incorporate to the strapping machine, a turntable and a rotation system for the coils.
- These strapping machines perform the sealing by notching or TIG welding points.

Transversal strapping of packages



General view of two automatic strapping machines for the transversal strapping of profiles packages, with 32mm steel strap.



Automatic strapping machine with combined head for the transversal strapping of packages.

FEATURES

- The heads can have vertical or horizontal movement towards the package to be strapped.
- The machine can have a lateral movement to make the strapping in different positions or the package can move to the strapping machine point.
- The strapping machine with steel strap can perform the sealing by notching or TIG welding points and the sealing with polyester strap is by friction.
- The automatic strapping machine with a combined head can make the strapping with steel or polyester strap. The machine is prepared to work with any strap without any modification in the head.



Strapping machine for the 25mm steel transversal strapping of tube packages.

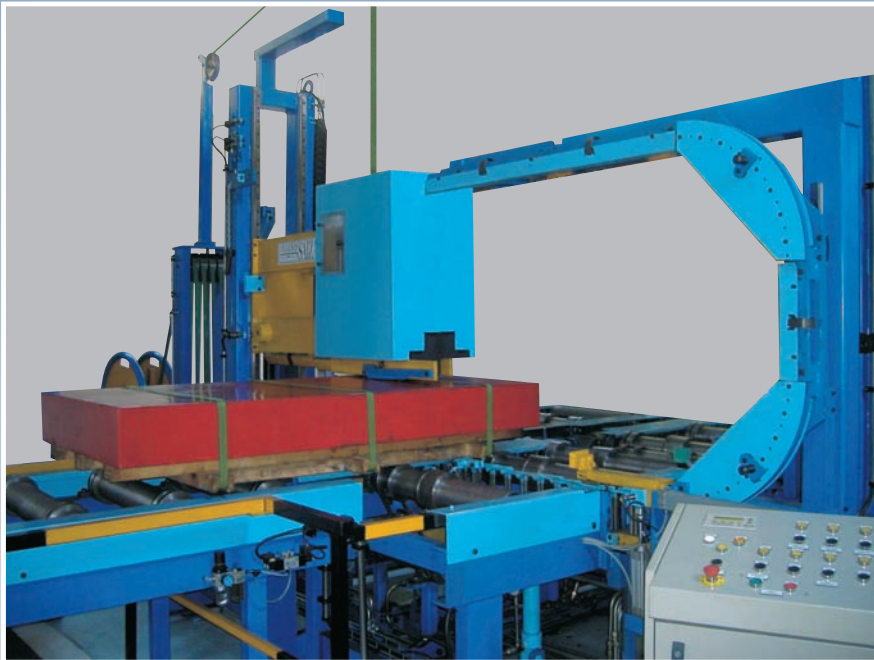


Strapping machine for the 32mm steel transversal strapping of tubes packages, with incorporation of wooden bars in automatic mode.

FEATURES

- The heads have a vertical movement towards the package of tubes to be strapped.
- The strapping machines can have a lateral movement to make the strapping in different positions or the package can move to the strapping point.
- One of the strapping machines has a wooden bars incorporation system at the bottom and sides of the packages, when is performing transversal strapping. The wooden bars incorporation is in automatic mode.

Transversal and longitudinal strapping of packages



Strapping machine in transversal strapping position of package with 32mm polyester strap



Strapping machine for the transversal strapping of packages with 32mm polyester strap



Package transversally strapped with the 19mm steel strapping machine

FEATURES

- The heads have a vertical movement towards the packages to be strapped.
- The packages can be strapped transversally and longitudinally, either with steel or polyester strap.
- Can be adapted for the strapping of packages of all required measures
- Can be fixed or with lateral displacement
- The strapping machine can carry a turn table to rotate the packages to perform the different transversal and longitudinal strapping.

Binding machines



Rod binding machine for packages



3 Rod binding machines do the binding of packages.



Binding machines for bars bundles

FEATURES

- The binding can be simple or double.
- The diameter of the rod for binding is from 6mm to 9mm.
- The binding machines have a vertical movement towards the packages.
- The machines can have a lateral or a rotary movement to make the binding of the packages or coils.

Another step forward

SAIZAR Strapping Machines offers to the customer a new option that brings great benefits and is very economic: the replacement of automatic strapping heads.

If you don't need to buy a complete strapping machine...

But you are thinking on switching to polyester strapping...

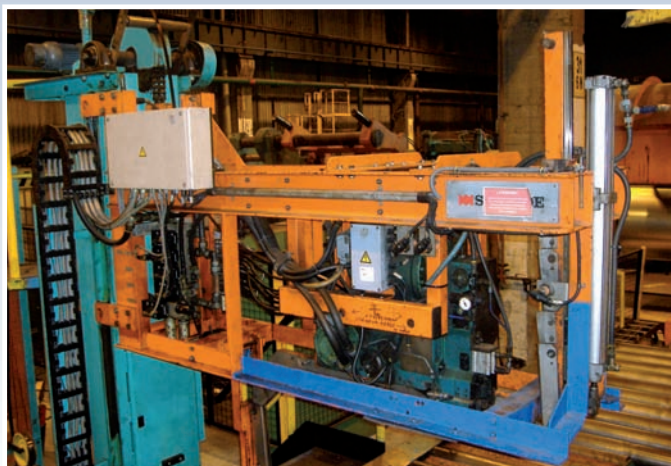
But a complete machine means an important investment...

SAIZAR has the solution

Projects realized

SAIZAR has replaced the SIGNODE automatic strapping head for radial strapping of coils with 19mm steel strap for the CASP-32 automatic strapping head for 32mm polyester strap.

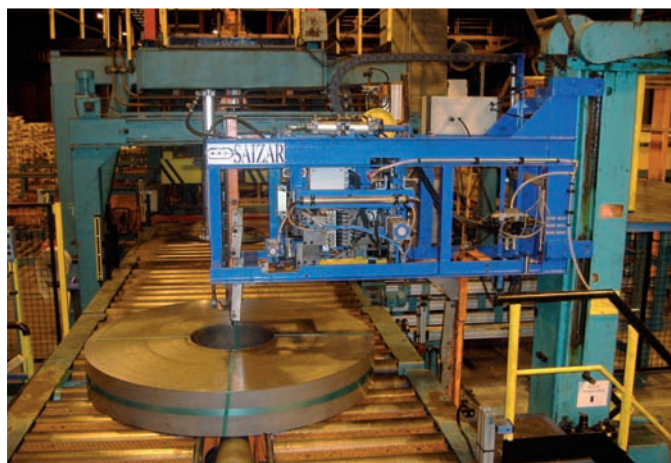
Before



SIGNODE strapping machine for the radial strapping of coils with 19mm steel strap.



After



SIGNODE strapping machine for the radial strapping of coils with SAIZAR CASP-32 head for 32mm polyester strap.

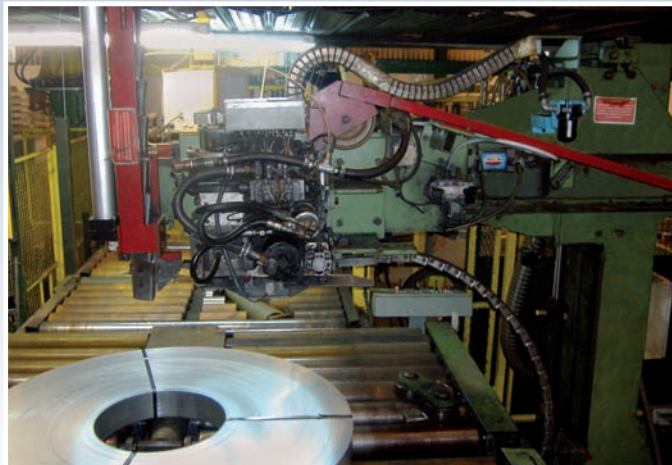
We replace the automatic steel strapping heads from brands like SIGNODE, TITAN, FROMM... for SAIZAR automatic polyester strapping heads. Changing only the head and keeping the whole structure of the machine.

- Regardless of the width of the steel strap used before and which you want to use in the new head
- Benefit from all the advantages offered by the polyester (50% cheaper, safer for the operator, does not damage the material...)
- Do not get left behind, we know that polyester is the future, everyone is changing, you will be the last?

Projects realized

SAIZAR has replaced the TITAN automatic strapping head for radial strapping of coils with 19mm steel strap for the CASP-19 automatic strapping head for 19mm polyester strap.

Before



TITAN strapping machine for the radial strapping of coils with 19mm steel strap.



After

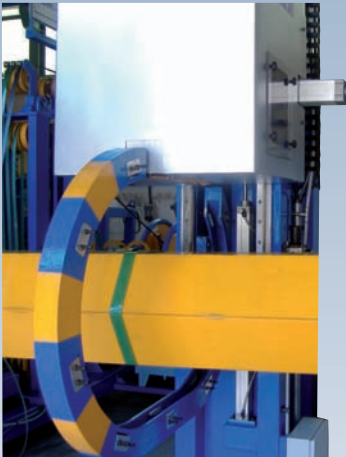


TITAN strapping machine for the radial strapping of coils with SAIZAR CASP-19 head for 19mm polyester strap.

Commitment to innovation

Apart from competitors,

- Offer something different.
- Something that until now doesn't exist.



UPCOMING DEVELOPMENT: FASP-41

After finishing the development of the FASP-32, the I+D staff of SAIZAR has gone one step forward and is working in the development of the automatic strapping machine able to work with the 41mm width polyester strap.

Why? Be possible to replace the steel strap for the polyester one in almost all applications. Saving money and the security are very important concepts for the costumers therefore also for SAIZAR. The PET strapping represents the present & upcoming future.

41mm? In the market don't exists a machine capable to perform the strapping with 41mm PET strap. The 41mm width guarantees a very high breaking load and makes possible to replace the 32mm steel strap.

This FASP-41 will represent new opportunities for a lot of companies!

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 costumers' 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.



SAIZAR has begun its expansion in very competitive markets as United States or India.

Costumers list

Company: **ArcelorMittal AMDS PROCESSING**
City: Lesaka
Circumferential and radial strapping of sheet coils

Company: **ArcelorMittal Distribution Solutions Iberia**
City: Basauri
Circumferential and radial strapping of sheet coils
Transversal and longitudinal strapping of sheet packages
Transversal strapping of tube packages

Company: **ArcelorMittal Distribution Solutions Iberia**
City: Salvatierra
Radial strapping of sheet coils

Company: **ArcelorMittal Gipuzkoa S.L.**
City: Bergara
Transversal strapping of sheet packages

Company: **ArcelorMittal Gipuzkoa S.L.**
City: Olaberria
Transversal strapping of profiles packages

Company: **ArcelorMittal Gipuzkoa S.L.**
City: Zumarraga
Radial strapping of wire rod coils

Company: **ArcelorMittal Zaragoza**
City: Zaragoza
Transversal strapping of profiles packages

Company: **ArcelorMittal Madrid**
City: Madrid
Transversal strapping of profiles packages

Company: **ACB**
City: Sestao
Circumferential and radial strapping of hot strip coils

Company: **Celsa Atlantic**
City: Vitoria
Circumferential strapping of sheet coils
Transversal strapping of tube packages

Company: **Celsa France**
City: Boucau, France
Transversal strapping of billets

Company: **Aceros para la Construcción S.A.**
City: Arboc del Penedes
Radial strapping of wire coils

Company: **Aratubo**
City: Vitoria
Radial strapping of sheet coils
Transversal strapping of tube packages

Company: **Chinchurreta**
City: Oñati
Transversal strapping of tube packages

Company: **G.P. Manufacturas del Acero**
City: Sevilla
Transversal strapping of sheet packages
Transversal strapping of tube packages

Company: **Laminaciones Vizcaya**
City: (Basauri)
Radial strapping of sheet coils

Company: **Sidenor**
City: Legutiano
Radial strapping of wire coils

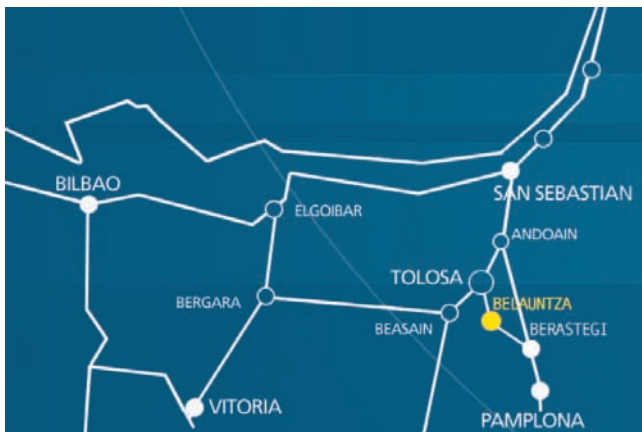
Company: **Tubacex**
City: Llodio
Transversal strapping of tube packages

Company: **Ros Casares**
City: Vitoria
Transversal and longitudinal strapping of sheet packages

Company: **Trefilerias Quijano**
City: Los Corrales de Buelna
Radial strapping of wire coils



SAIZAR IN THE WORLD



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