



STAINLESS STEEL AND NICKEL ALLOYS SEAMLESS PIPES & TUBES

TUBACEX GROUP

TUBACEX: A GLOBAL LEADER IN SEAMLESS STAINLESS AND HIGH NICKEL ALLOYS PIPES & TUBES



The Tubacex Group has become one of the world's main suppliers of Seamless Stainless Steel and Nickel alloy tubes. Founded in 1963, Tubacex brings the experience of a world leader combined with a strong R&D effort which is needed to fulfill the future needs of the industry.

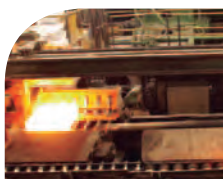
Nowadays the Tubacex Group, exporting into more than 100 countries worldwide, has a share of around 15% of the world market of seamless stainless steel tubes and pipes, with a total workforce of around 1.800 employees. The headquarters are located in Llodio, 25 Km (15 miles) from the seaport city of Bilbao, in northern Spain.

Tubacex Group's integrated production process includes a steel making plant, 3 extrusion presses and more than 20 cold pilger mills and draw benches that allow us to supply tubes for different applications, through our global commercial network.

TUBACEX: A GLOBAL INTEGRATED GROUP TO YOUR SERVICE



**Steel billets
& bars**



**Extrusion
facilities**



**Cold finishing
facilities**



**Mechanical tubing
Pipes & tubes
Fittings**



**Global service
& distribution
network**



**Commercial
network**

ACERÍA DE ALAVA STAINLESS STEEL BARS & BILLETS

Aceralava is the Steel Melting Shop of the the Tubacex Group. Located in Spain, the company manufactures stainless steel and high nickel alloys bars and billets (round & square), and it is the main steel supplier of the group's companies. Aceralava also supplies its products to the stainless steel market. The dimensions of the billets and bars go from 120 mm to 508 mm.

TUBACEX TUBOS INOXIDABLES SEAMLESS PIPE & TUBING

T.T.I. manufactures seamless stainless steel and high nickel alloys tubes and pipes. The sizes manufactured through the extrusion press and the 11 cold rolling machines go from ½" up to 8" NPS (19 – 250 mm OD). The production programme covers most of the seamless specialities in stainless steel. T.T.I. has two mills (for hot extrusion and cold finishing) located in Spain.

SHOELLER BLECKMANN EDESTAHLROHR SEAMLESS PIPE & TUBING

Located in Austria, the company manufactures seamless stainless steel pipes and tubes in dimensions between 1/8" and 8" NPS, (6 – 250 mm OD). Schoeller Bleckmann Edelstahlrohr is a highly reputed company associated with quality and good service.

SALEM TUBE SEAMLESS AND WELDED/DRAWN PIPE & TUBING

Located in the USA, Salem Tube manufactures welded and seamless stainless steel and nickel alloy tubes. Their range goes from 1/8" to 2" OD (3,17 - 50,8 mm OD). The company is highly specialized in precision tubing for the most demanding industries as military and aerospace, with a high weight of high nickel alloys in the product portfolio.

TUBACEX TAYLOR ACCESORIOS FITTINGS & ELBOWS

Tubacex Taylor Accesorios (TTA), located in Spain, manufactures stainless steel (also carbon and alloy) butt welding fittings (elbows and return bends), perfectly complementing the activity of Tubacex Tubos Inoxidables (TTI). Size range goes from ½" up to 14" NS, in short and long radius as well as in special radii.

COTUBES & TUBACEX GROUP'S GLOBAL SERVICE & DISTRIBUTION NETWORK

Comercial de Tubos y Accesorios is the Tubacex Group's master distributor. The company supplies mechanical tubes, seamless stainless steel tubes and pipes and round bars worldwide from their automatic and computerized warehouse located in Spain. The group has, in addition, warehouses in the United States, France, China and Brazil.



Worldwide presence

Through our commercial offices

Competitiveness

Thanks to our lean manufacturing process

Service

Cooperation with our customers

Flexibility

In materials chemical composition & deliveries

Reliability

Of a fully integrated company

Our Customers are the main driver of Tubacex Group's activity and efforts . Our organization and investments are continuously being adapted to fulfil the increasing requirements that companies are facing everyday in high demanding activities in the oil & gas, petrochemical, chemical and power generation industries among others. These new challenging needs are driving us to implement in our mills the most advanced verification equipment and inspection procedures to assure product quality and a high service, guaranteed by a fully integrated company with worldwide presence.



OIL & GAS EXPLORATION & PRODUCTION

New challenging corrosive environments and applications are driving Tubacex product portfolio of corrosion resistant alloys in both on-shore and off-shore E&P, with a particular focus in:

- Oil Country Tubular Goods (OCTG) • Umbilical tubes along with a wide range of seamless stainless and high nickel alloys for subsea application (risers, flowlines, manifolds...)
- Tubes for platforms (piping systems, separators...).



REFINING, PETROCHEMICAL & CHEMICAL

Tubacex offers extensive grade and size portfolio to achieve designers expectations regarding several areas & equipments in the petrochemical and Chemical industry, particularly:

- Regas Facilities • Refineries • Heat exchangers • Reactors • Furnaces, heaters and re-heaters
- Other process industries.



FERTILIZER PRODUCTION

Fertilizer production materials need to bear severe corrosion conditions. Tubacex provides pipes & tubes for the equipment involved in the production of Urea, Ammonia, Nitric acid, Sulphuric acid, Phosphoric acid and Melamine.

- Strippers • Condensers • Scrubbers • Reactors • Piping



POWER GENERATION

Tubacex's manufacturing range covers the main stainless steel heat resistant grades used in boiler equipments, in both:

- Critical equipment • Ultra Super Critical (USC) equipment • Industrial power plants
- Nuclear power plants.



STOCK FOR DISTRIBUTION

Tubacex's manufacturing range covers the main seamless stainless steel portfolio for distributors worldwide:

- Pipes and Tubes according to all relevant standards • Hollow Bars for metal-mechanic industry through our master distributor COTUBES • Instrumentation & hydraulic tubing for a wide range of high added value industries, including aerospace. • Round Bars.

OVERAL RANGE

Tubacex manufacturing range covers the main stainless steel grades requested by the industry. From our steel plant Aceralava (Spain) we offer a tailor made list of steels. Our metalurgical engineers are devoted to the development of sophisticated steels capable of operating in the demanding environments of the future. Exceptions over the standard steel grades are satisfied through Aceralava.



STAINLESS STEEL GRADES

	ASTM	WNr	AFNOR	C max*	Cr	Ni	Mo	Other	
AUSTENITIC	304	1.4301	TU Z 6 CN 18-09	0,08	17/20	8/11			
	304 L	1.4306	TU Z 2 CN 18-10	0,03	18/20	10/12			
	304 L	1.4307	TU Z 3 CN 19-09	0,03	17,5/19,5	8/10,5			
	304 H		TU Z 6 CN 19-10	0,04/0,10	18/20	8/11			
	TX304HB**	1.4907		0,07	17/19	7,5/10,5		Nb 0,3/0,6 Cu 2,5/3,5	
	321	1.4541	TU Z 6 CNT 18-10	0,08	17/19	9/12		5 C < Ti ≤ 0,60	
	321 H		TU Z 6 CNT 18-12 B	0,04/0,10	17/20	9/13		4 C < Ti ≤ 0,60	
	347	1.4550	TU Z 6 CNNb 18-10	0,08	17/19	9/12		10 C < Nb ≤ 1,0	
	347 H		TU Z 6 CNNb 18-12 B	0,04/0,08	17/20	9/13		8 C < Nb ≤ 1,0	
	347 H FG	1.4908		0,07	17/19	9/13		8 C < Nb ≤ 1,1	
	316	1.4401	TU Z 6 CND 17-11	0,08	16/18	11/14	2/3		
	316 L	1.4404	TU Z 2 CND 17-12	0,03	16/18	11/14	2/3		
	316 Ti	1.4571	TU Z 6 CNDT 17-12	0,08	16,5/18,5	10,5/13,5	2/2,5	5 C < Ti ≤ 0,80	
	(316 L)	1.4435	TU Z 2 CND 17-13	0,03	17/18,5	12,5/15	2,5/3		
	(316)	1.4436	TU Z 6 CND 17-12	0,07	16,5/18,5	11/14	2,5/3		
	316 Nb	1.4580		0,08	16/18	11/13	2/2,5	10 C < Nb < 1,0	
	316 N/316 LN			0,03	16/18	11/14	2/3	N 0,10/0,16	
	316 L urea			0,03	17/18	13/15	2/3		
	317			TU Z 2 CND 19-15	0,08	18/20	11/15	3/4	
	317 L	1.4438		TU Z 2 CND 19-15	0,03	18/20	11/15	3/4	
	309 S/309 H	1.4833		TU Z 12 CN 24-12	0,08	22/24	12/15	≤ 0,75	
	310 S/310 H	1.4845		TU Z 12 CN 25-20	0,08	24/26	19/22	≤ 0,75	
	310 HCbN	1.4952			0,07	24/26	19/22		0,2 < Nb ≤ 0,6
310 MoLN	1.4466			0,02	24/26	21/23	2/2,5	N=0,1/0,15 Si<0,4 P<0,02	
	1.4828		TU Z 17 CNS 20-12	0,20	19/21	11/13		Si 1,5/2,5	
314	1.4841		TU Z 15 CNS 25-20	0,15	24/26	19/21		Si 1,5/2,5	
UNS S31254	1.4547			0,02	19,5/20,5	17,5/18,5	6,0/6,5	Cu 0,50/1,00 N 0,18/0,22	
FERRITIC AUSTENITIC	UNS S31803	1.4462	TU Z 2 CND 22-05-03	0,03	21/23	4,5/6,5	2,5/3,5	N 0,12/0,20	
	UNS S32750	1.4410			24,0/26,0	6,0/8,0	3,0/5,0		
	UNS S32760	1.4501	TU Z 3 CND 25-06-Az	0,03	24/26	6/8	3/5	N 0,2/0,3 Cu & W 0,5/1,0	
HIGH NICKEL	904 L	1.4539	TU Z 1 CNDU 25-20	0,02	19/21	24/26	4/5	Cu 1,20/2,00 N 0,04/0,10	
	800-H-HT	1.4876	(TU Z10 NC 32-21)	0,6/0,10	19/23	30/35		Al & Ti 0,15/0,60	
	UNS N08020	2.4660		0,07	19/21	32/38	2/3	Cu 3/4 Nb 8xC-1,0 Fe Balance	
	UNS N08825	2.4858		0,05	19,5/23,5	38/46	2,5/3,5	Cu 1,5/3,0 Al 0,2 max Ti 0,6/1,2 Fe Balance	
	UNS N08028	1.4563	TU Z2 CNDU 31-27	0,03	26/28	30/32	3/4	Cu=0,8/1,4 N=0,04/0,15 Fe Balance	
	G-3 N06985				21,0/23,5	44,0/52,0	6,5/8,0	Fe: 18,0/21,0	

* Maximum unless otherwise indicated. ** Tubacex name.

In addition to these standards, Tubacex's capabilities include a wide range of stainless steel and high nickel alloy grades depending on the requirements of our customers.



SEAMLESS STAINLESS PIPES & TUBES

The more efficiency is requested, the more challenging is the environment for the steel. Stainless steel use is growing in seamless pipes & tubes manufacturing as the industry moves towards new applications, more efficient technologies are developed and new equipments are built.

The manufacturing methods employed at Tubacex Group's main production units reflect the most advanced technologies. Production of seamless stainless steel pipes and tubes is carried out according to all common international delivery and tolerance standards.

Main standards applicable to seamless stainless steel pipes & tubes

MAIN AMERICAN STANDARDS FOR SEAMLESS STAINLESS STEEL TUBES AND PIPES

Specification	Description
ASTM A213	Standard specification for seamless, ferritic and austenitic alloy-steel boiler, superheater and heat exchanger tubes.
ASTM A269	Standard specification for seamless and welded austenitic stainless steel tubing for general service.
ASTM A312	Standard specification for seamless welded and heavily cold worked austenitic stainless steel pipes.
ASTM A450	Standard specification for general requirements for carbon and low alloy steel tubes.
ASTM A530	Standard specification for general requirements for specialized carbon and alloy steel pipe.
ASTM A789	Standard specification for seamless and welded ferritic/austenitic stainless steel tubing for general service.
ASTM A790	Standard specification for seamless and welded ferritic/austenitic stainless steel pipe.
ASTM A999	Standard specification for general requirements for alloy and stainless steel pipe.
ASTM A1016	Standard specification for general requirements for ferritic alloy steel, austenitic alloy steel and stainless steel tubes.

MAIN EUROPEAN STANDARDS FOR SEAMLESS STAINLESS STEEL TUBES AND PIPES

Specification	Description
EN ISO 1127	Stainless steel tubes – dimensions, tolerances and conventional masses per length unit.
EN ISO 9692-1	Welding and allied processes recommendations for joint preparation - Part 1: Manual metalarc welding, gasshielded metalarc welding, gas welding, TIG welding and beam welding of steels.
EN 10204	Metallic products – types of inspection documents.
EN 10216-5	Seamless tubes for pressure purposes – Technical delivery conditions – Part 5: Stainless Steel Tubes.
EN 10297-2	Seamless Tubes for mechanical and general engineering purposes – technical delivery conditions – Part 2: Stainless Steel.
EN 10305-1. PT.	Steel tubes for precision applications – Technical delivery conditions – Part 1: Seamless Cold Drawn tubes.

Quality valued around the world

Tubacex brings the experience of a world leader in the manufacturing of seamless stainless steel pipes & tubes, constantly increasing quality standard. Our organization and investments are continuously being adapted to the high demanding conditions that our customers face everyday.



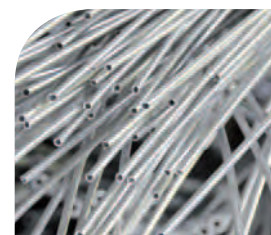
The Tubacex Group offers a wide range of pipes & tubes according to European and American standards.



Strong stock availability is provided by COTUBES and the other Tubacex Group's stocks through the world.



Billets used in the manufacturing process of pipes & tubes are mainly produced in house, in the Group's own steelworks, through a totally integrated process.



Precision tubing (instrumentation & hydraulic) with outside diameters from 6 mm O.D. is manufactured in Schoeller Bleckmann Edelstahlrohr, while Salem Tube manufacturing portfolio starts from 3 mm O.D.

HIGH NICKEL ALLOYS SEAMLESS PIPES & TUBES

New challenging corrosive environments and applications are increasing the use of high nickel alloys in the seamless tubes production, particularly in the oil & gas industry.

Tubacex Group's manufacturing range covers the main high nickel alloy grades requested by the industry. Exceptions over the standard steel grades are satisfied through our Steel Melting Shop Aceralava.

HIGH NICKEL ALLOYS SEAMLESS STEEL TUBES AND PIPES

Alloy	Basic Characteristics	Usual Applications
UNS N08904	Good resistance to severe corrosion conditions	Pipelines and different equipment for the chemical industry and desalinization plants
UNS N08800	Good strength and resistance to oxidation and carburization in high temperature atmosphere	Process piping, heat exchangers
UNS N08810	Similar to UNS N8800 with higher creep-rupture strength	Heater tubing in power plants, industrial and heat-treatment equipment, chemical and petrochemical processing
UNS N08811	Similar to UNS N8810 with even higher creep-rupture strength	Same as for UNS N08810 but for higher temperatures
UNS N08020	Good resistance to general corrosion in a variety of acids	Piping, heat exchangers and other process equipment
UNS N08825	Good resistance to acids (specifically sulphuric and phosphoric) and corrosion cracking	Chemical processing, acid production, pickling equipment, process piping, heat exchanger tubing
UNS N08028	High resistance to corrosive conditions, e.g. oxidizing acids and salts. Resistant to pitting corrosion, and to stress corrosion cracking	Acid (sulphuric, phosphoric or nitric) production and processing, pickling plants, Oil production for wells within a corrosive environment or, Gas production in sour gas wells

APPLICABLE ASTM SPECIFICATIONS

Specification	Description	ASTM
ASTM B677-99	Specification for UNS N08904, UNS N08925, and UNS N08926 Seamless Pipe and Tube	UNS N08904
ASTM B163-98a ASTM B407-96	Specification for Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes Specification for Nickel-Iron-Chromium Alloy Seamless Pipe and Tube	UNS N08800
ASTM B163-98a ASTM B407-96	Specification for Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes Specification for Nickel-Iron-Chromium Alloy Seamless Pipe and Tube	UNS N08810
ASTM B163-98a ASTM B407-96	Specification for Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes Specification for Nickel-Iron-Chromium Alloy Seamless Pipe and Tube	UNS N08811
ASTM B729-00 ASTM B829-99	Specification for Seamless UNS N08020, UNS N08026, and UNS N08024 Nickel Alloy Pipe and Tube Specification for General Requirements for Nickel and Nickel Alloys Seamless Pipe and Tube	UNS N08020
ASTM B163-98a ASTM B423-99	Specification for Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes Specification for Nickel-Iron-Chromium-Molybdenum-Copper Alloys (UNS N08825 and N08221) Seamless Pipe and Tube	UNS N08825
ASTM B829-99	Specification for General Requirements for Nickel and Nickel Alloys Seamless Pipe and Tube	
ASTM B668 ASTM B829	Standard Specification for UNS N08028 Seamless Pipe and Tube Specification for General Requirements for Nickel and Nickel Alloys Seamless Pipe and Tube	UNS N08028



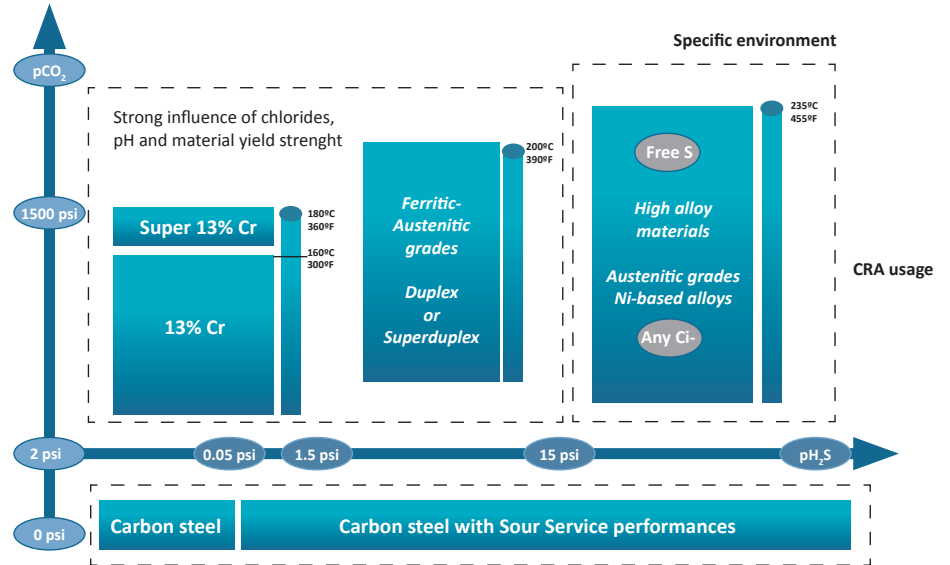
In addition to the most widely used high nickel alloys mentioned above, the Tubacex group is constantly adding new grades to its product portfolio. 600 series, although still not produced in our steel melting shop Acería de Álava, are commonly used by Salem Tube and are starting to be introduced in Tubacex Tubos Inoxidables and Schoeller Bleckmann Edelstahlrohr portfolio - particularly UNS N06025 which is growing strongly in the oil & gas industry.

OIL COUNTRY TUBULAR GOODS

Tubacex Tubos Inoxidables - TTI has been designated to develop and lead the production of this high quality product in the facilities located in the north of Spain. A key point in our OCTG strategy was the signing of an agreement with Vallourec&Mannesmann for common marketing and development of this product. This partnership with a world leader contributes to consolidate our world presence and to satisfy the future growing Customer expectations.

CRA tubings are used in designs with long life, high yield strength requirements and in wells with the most severe corrosive environments

- High temperature
- High pressure of CO₂ and/or H₂S
- High chlorides content, low pH, presence of free S...



OCTG: TUBACEX MANUFACTURING RANGE

STEEL	GRADE	2 3/8"-2 7/8"	3 1/2"-4 1/2"	5"-5 1/2"	6 5/8"-7"	7 5/8"-7 3/4"	8 5/8"-9 5/8"	
22Cr	65	R3	R3	R3	R3	R2	UNDER RESEARCH & DEVELOPMENT	
	110	R3	R3	R3	R3	R2		
	125	R3	R3	R3	R3	R2		
25Cr	80	R3	R3	R3	R3	R2		
	110	UNDER RESEARCH & DEVELOPMENT						
	125	R3	R3	R3	R3	R2		
28Cr	110	R3	R3	R3	R3	R2		
	125	R3	R3	R3	R3	R2		
825	110	R3	R3	UNDER RESEARCH & DEVELOPMENT				
G3	110	R3	R3	UNDER RESEARCH & DEVELOPMENT				
	125	R3		UNDER RESEARCH & DEVELOPMENT				



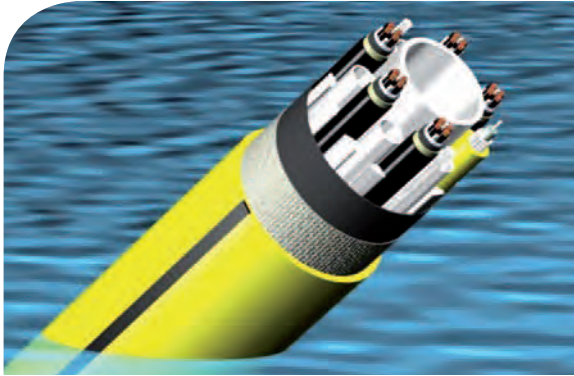
Downhole casing and production tubing in CRA such as duplex stainless steels and nickel alloys are ideal to cope with the aggressive corrosion found in sour wells due to hydrogen sulphide, carbon dioxide and other chemicals. Predominantly, Tubacex's downhole casing and production tubing is supplied in cold-worked condition to ensure high strength despite its low weight.

Tubacex tubes cover a wide range of applications:

- HP/HT
- Sour or wet gas
- Enhanced Oil Recovery
- Chlorides, Hydrogen sulphide, free sulphur ...
- Sandscreens
- High corrosion resistance

SUBSEA UMBILICALS

Umbilicals are manufactured in Schoeller Bleckmann Edelstahlrohr in a State of the art new mill to assure the high quality of the product. In addition, big outside diameter umbilical tubes are manufactured in Tubacex Tubos Inoxidables.



Subsea umbilicals are control lines used in offshore wells where Christmas trees (an assembly of control valves, gauges and chokes that control oil and gas flow in a completed well) are installed on the ocean floor. Umbilicals make up part of Tubacex SURF (Subsea Umbilicals, Risers jumpers, manifolds, loops and Flowlines) package of tubular products for offshore resistant to sea water environments and fluids transmitted through the tubes and with high corrosion resistance to sea water.

For the past years almost any Subsea oil production system in the world utilized Super duplex steel within their umbilical tubes, due to high corrosion resistance in sea water, excellent mechanical properties and resistance and durability. Two superduplex grades are available.



SUBSEA UMBILICALS: TUBACEX MANUFACTURING RANGE

Superduplex Stainless Steel - ID from 1/2 to 3 1/2 Inch

Production Unit	Tubacex, Spain	SBER, Austria
Steel grade	UNS S32750, UNS S32760	UNS S32750, UNS S32760
Tubes finish	Straight	Straight or Coiled

Note: Parameters may vary over time. Please verify your specific requirements

Traceability

Traceability is important to us. Each product that leaves our tube factory in Ternitz is provided with a works certificate (company certificate), which is presented to the customer upon delivery. This ensures that the quality-controlled production at SBER is traceable for each customer.

Quality

Schoeller Bleckmann Edelstahlrohr manufacturing processes are designed to ensure maximum quality within the production of its seamless grades of umbilical tubes, with particular focus in the heat treatment process. Non Destructive Testing is used along the total length of all produced tubes. The company holds several approvals as a manufacturer of seamless tube and pipe, and can deliver tubular products in accordance with most international standards. Below are some examples.

Umbilicals make up part of Tubacex SURF (Subsea Umbilicals, Risers jumpers, manifolds, loops and Flowlines) package of tubular products for offshore resistant to sea water environments and fluids transmitted through the tubes and with high corrosion resistance to sea water.

Tubacex group manufactures Umbilicals in a state of the art new mill.

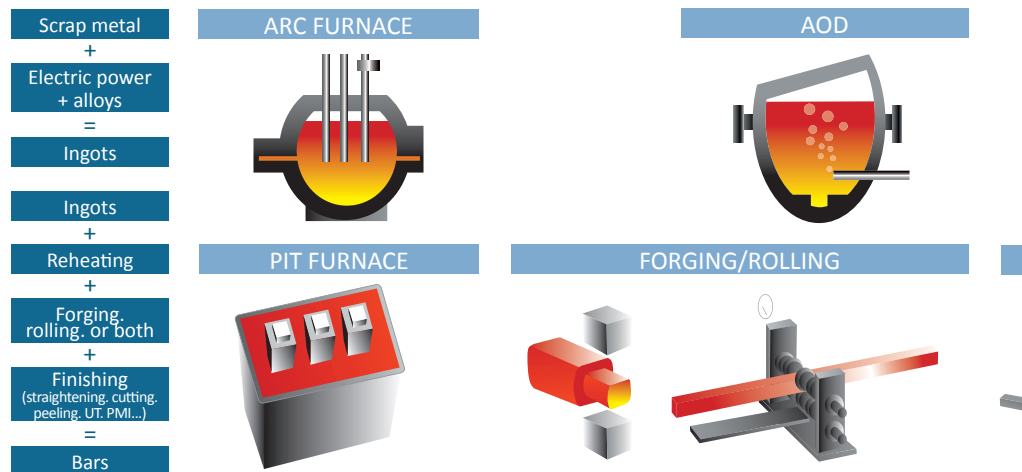
This new production unit integrates the best available technologies and know-how for the production of the best quality product. Highly automatic facilities and a fully integrated traceability system contributes to a very costly efficient product.



TUBE MANUFACTURING PROCESS & EQUIPMENT

STEEL PRODUCTION

Tubacex is a fully integrated company with one melting shop (in Spain), two extrusion facilities (in Spain and Austria) and three cold finishing facilities (in Spain, Austria and the USA). The Group is capable of producing seamless steel tubes in hot and cold finishing.



HOT FINISHED PRODUCTION

Tubacex Tubos Inoxidables

HOT EXTRUSION PLANT

Llodio. SPAIN

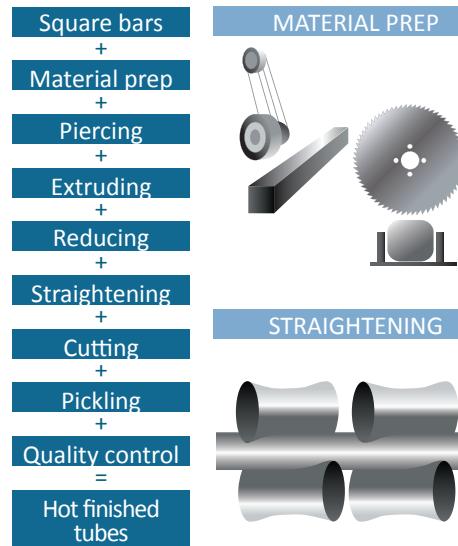
- 80-250 mm OD
- Horizontal induction furnaces
- Expanding press (hydraulic. 1.600 ton)
- Vertical induction furnaces
- Extrusion press (hydraulic. 4.100 ton)
- Soaking furnace (walking beams)
- Stretching - reducing mill
- Heat treatment
- N.D. testing (ultrasonic. hydrostatic)
- Finishing lines

Schoeller Bleckmann Edelstahlrohr

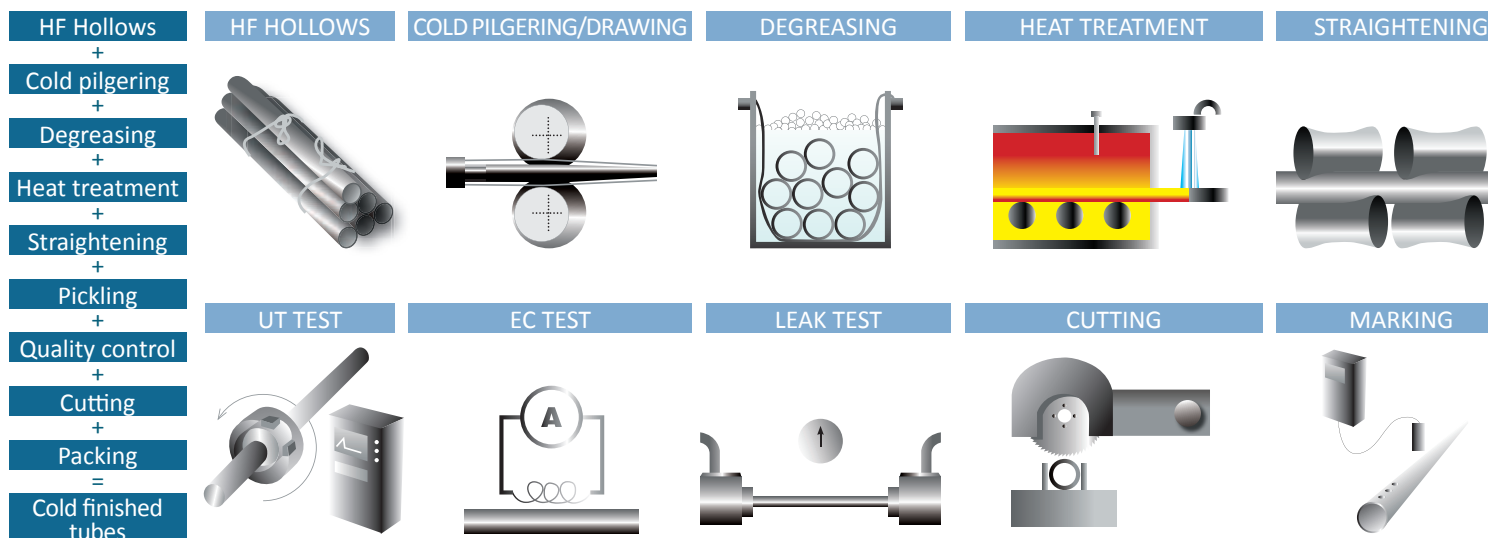
HOT EXTRUSION PLANT

Ternitz. AUSTRIA

- 38-250 mm OD
- Horizontal induction furnaces
- Expanding press (hydraulic. 1.600 ton)
- Vertical induction furnaces
- 2 Extrusion presses (hydraulic, 2.000 and 3.300 tons)
- Soaking furnace (walking beams)
- Stretching - reducing mill
- Heat treatment/bright annealing furnace
- N.D. testing (ultrasonic. hydrostatic)
- Finishing lines



COLD FINISHED PRODUCTION



Welding and coiling capabilities available in SBER Special Tube Plant.

CASTING



INGOTS



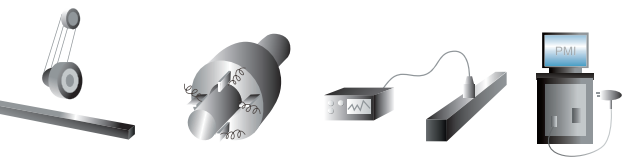
Acería de Álava

STEEL MELTING SHOP

Amurrio. SPAIN

- Acería Electric Arc Furnace (100 tons)
- AOD converter (60 tonnes)
- 8 soaking pit furnaces (gas heated)
- Forging press
- Blooming rolling mill
- Heat treatment
- Peeling and polishing
- Non destructive tests

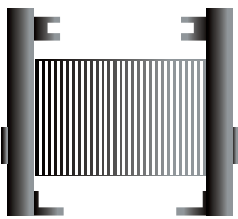
FINISHING



SQUARE OR ROUND BARS



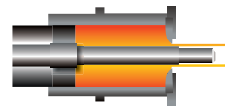
INDUCTION HEATING



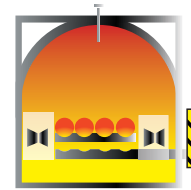
PIERCING/EXPANDING



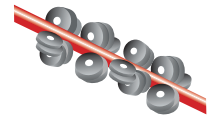
EXTRUDING



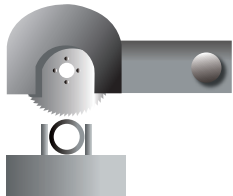
REHEATING



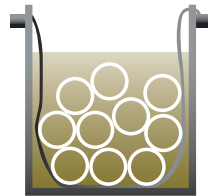
REDUCING



CUTTING



DEGLASSING



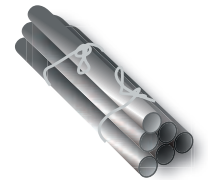
PASSIVATION



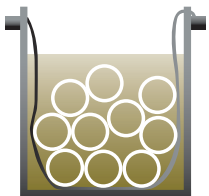
QUALITY CONTROL



HF TUBES



PICKLING



Tubacex Tubos Inoxidables Amurrio. SPAIN

COLD FINISHING PLANT

- 19 – 193 mm O
- Pilger cold rolling mills
- Heat treatment furnaces
- N.D. testing (eddy current, ultrasonic, hydrostatic)
- Finishing lines

OCTG FINISHING LINE

- Pilger cold Rolling Mills
- Fully automated finishing line for big outside diameter tubes.
- Specific N.D. testing (ultrasonic, hydrostatic)

Schoeller Bleckmann Edelstahlrohr Ternitz. AUSTRIA

COLD FINISHING PLANT

- 6 – 250 mm OD
- Pilger cold rolling mills
- Drawing benches
- Heat treatment furnaces
- N.D. testing
- Finishing lines

SPECIAL TUBE PLANT

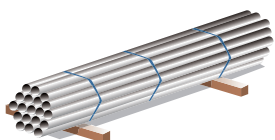
- 4 Pilger mills LC 50 with integrated cleaning
- Bright annealing furnace (1t/h). Straightener
- Finishing line + US/Eddy Current/PMI
- Welding units + X-ray radiosopes + coilers
- Hydropressure testing device

Salem Tube Greenville. PA. USA

COLD FINISHING PLANT

- 3-57 mm OD
- Drawing benches
- Heat treatment furnaces
- N.D. testing (eddy current, ultrasonic, hydrostatic)

CF TUBES



QUALITY & APPROVALS

Tubacex Group holds several approvals as a manufacturer of seamless tube and pipe, and can deliver tubular products in accordance with most international standards.

MANUFACTURING STANDARDS

Apart from standards mentioned in the catalogue we also manufacture according to UNE, BS, SIS, GOST, JIS and other international standards and Steel grades.

MANAGEMENT SYSTEM CERTIFICATES

ISO 9001.

ENVIRONMENTAL RESPONSABILITY

Tubacex Group is highly engaged with the environment and it is ISO 14001 certified.

SAFETY

Occupational health and Safety is also a key element of our culture. The company is OHSAS 18.001 certified.

APPROVALS

Tubacex is approved to manufacture according to TÜV, Lloyd's register, DNV, Germanischer Lloyd's, BV, Norsok etc. Complete list of approvals is available on request.

OTHER CERTIFICATIONS

Tüv Süddeutschland (Ad - Merkblatt Wo / Trd 100)

Lloyd's Register of Shipping (rules for the manufacture, testing and certification of materials)

Qualification as Manufacturer of Special Materials to Norsok M-650

ASME Quality System Certificate as Material Organization for Ferrous and Nonferrous Material

Tüv Süddeutschland (Pressure Equipment Directive 97/23Ec)

Det Norske Veritas (Dnv's Rules for Classification Pt.2)

Germanischer Lloyd (Austenitic Stainless Steel Pipes and Tubes According to En 10216-5 or Equivalent Standards)

PED 97/23/EC.

AD2000, werkblatt W0.

JIS Mark scheme

Complete list of approvals and certifications is available on request.



MANAGEMENT SYSTEM CERTIFICATES

UNE - EN - ISO 9001:2000
ER-0006/1991



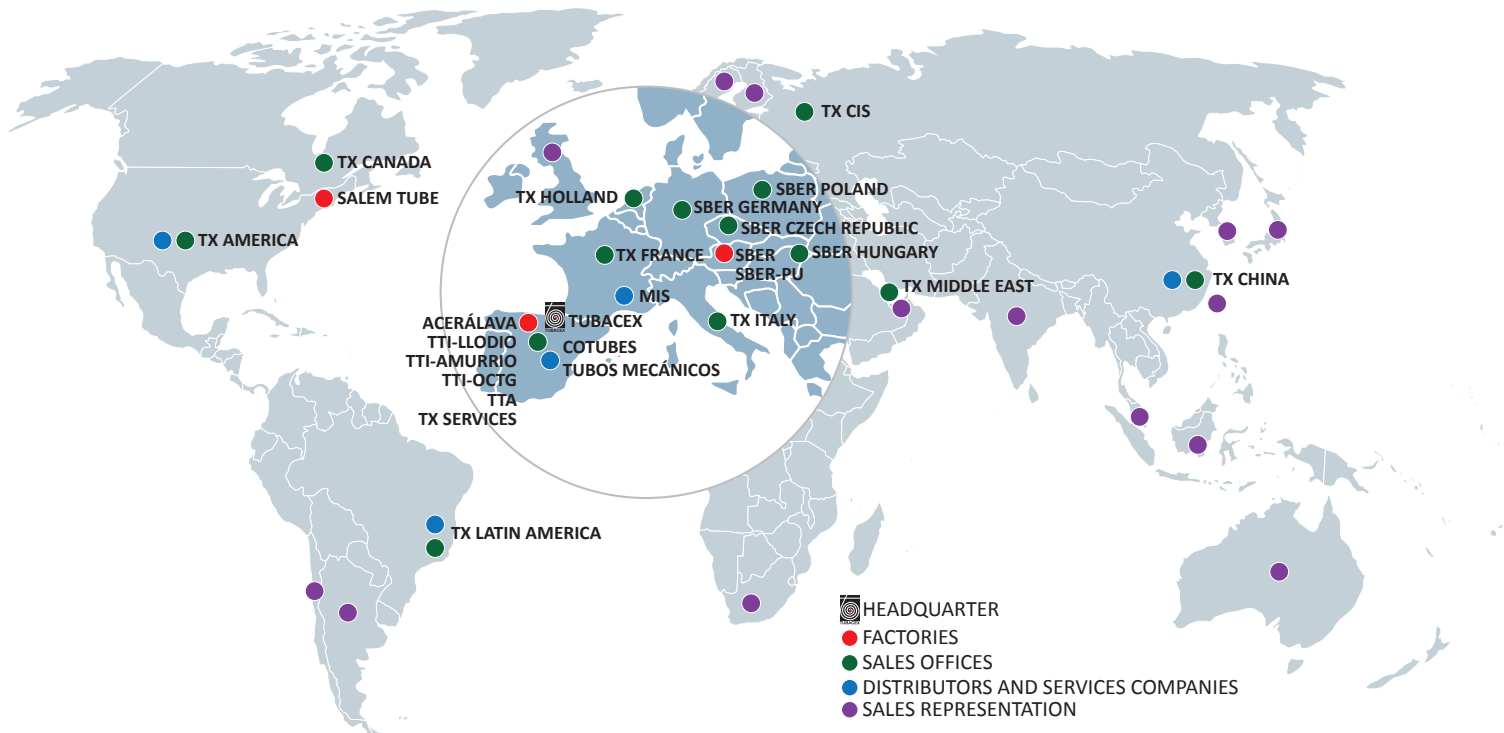
OHSAS 18001:1999



UNE - EN - ISO
14001:1996
GA-2001/0127



TUBACEX AROUND THE WORLD



Nowadays the Tubacex Group is exporting into more than 100 countries worldwide from its manufacturing sites and warehouses. The company has 15 commercial offices and a wide network of agents in several countries that allow a global presence.

MANUFACTURING COMPANIES

Acería de Álava, S.A.
STEEL MELTING SHOP
Amurrio. SPAIN

Tubacex Tubos Inoxidables, S.A.
HOT EXTRUSION PLANT
Llodio. SPAIN
COLD FINISHING PLANT
OCTG FINISHING PLANT
Amurrio. SPAIN

Schoeller Bleckmann Edelstahlrohr, GmbH
COLD FINISHING PLANT
HOT EXTRUSION PLANT
SPECIAL TUBE PLANT
Ternitz. AUSTRIA.

Salem Tube, Inc.
COLD FINISHING PLANT
Greenville. PA. USA

Tubacex Taylor Accesorios, S.A.
BUTT WELDING FITTINGS
Artzeniega. SPAIN

Tubacex Services S.L.
TUBE FINISHING SERVICES
Santander. SPAIN

SERVICE & DISTRIBUTION COMPANIES

Comercial de Tubos y Accesorios, S.A.
STAINLESS STEEL LONG PRODUCTS
DISTRIBUTION
Amurrio. SPAIN

Metaux Inox Services, S.A.S.
STAINLESS STEEL LONG PRODUCTS
DISTRIBUTION
Satolas & Bonce. FRANCE

Tubacex America, Inc.
STAINLESS STEEL LONG PRODUCTS
DISTRIBUTION
Houston. UNITED STATES

Tubos Mecánicos, S.A.
CARBON & ALLOYED MECHANICAL
TUBING DISTRIBUTION
Barcelona. SPAIN

Special Steels do Brazil
STAINLESS STEEL TRADING &
DISTRIBUTION
Sao Paulo. BRAZIL



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