



At a glance –  
Mannesmann Stainless Tubes



**MANNESMANN**  
**STAINLESS TUBES**

A Member of the Salzgitter Group

**Seamless stainless steel and nickel-based alloy tubes and pipes are our everyday passion and our history at Mannesmann Stainless Tubes: Reinhard and Max Mannesmann invented the famous pilger process for the production of seamless steel tubes in Remscheid, Germany, at the end of the 19th century.**

Our group integrates the traditions of three seamless stainless steel worlds (Mannesmann, Dalmine and Vallourec), and is today part of the Salzgitter Group.

- Our customers profit from MST offering one of the most comprehensive product ranges in our industry
- Provided with high quality products and efficient services, our customers (e.g. in the energy sector, the engineering and (petro-)chemical sectors) enjoy a supportive personal account management
- We invest consistently in product and service development, bringing MST to the forefront by offering innovative materials and production techniques
- Our customers know us as being a reliable business partner
- A flexible business organization and our close international network ensure quick and customer focused answers to changing market requirements

# Products

**MST is proud to offer its customers one of the largest varieties in the product range of seamless stainless steel and nickel-based alloy tubes and pipes:**

- from small instrumentation tubing to large pipe sizes (outside diameters from 6 mm to 250 mm with wall thicknesses from 0.5 mm up to 50 mm)
- in materials from standard austenitic stainless, duplex and super-duplex steels to highly sophisticated nickel-based alloys – and such offering highest corrosion resistance, heat resistance and high-temperature, high-strength materials

**For manufacturing, we use modern tube-making equipment in the following processes:**

## Hot extrusion process

a highly sensitive process for hot finished tubes and pipes as well as for mother tubes.

## Cold pilgering process

a process for high reduction of diameters, even with materials featuring difficult forming behaviour. It produces a uniform fine-grain metallurgical structure and particularly favourable material characteristics.

## Cold drawing process

a process for very precisely defined tolerances in the tube diameter and for attaining defined mechanical-technological properties.

An ongoing cycle of investments into our equipment ensures that we work according to the latest technical standards.



**The majority of our products is exported to over 100 different countries for usage within plants, products and processes of the following industry sectors:**

- Chemical and petrochemical
- Energy and power generation
- Onshore and offshore oil and gas production, exploration and transport (OCTG – Oil Country Tubular Goods)
- Mechanical- and plant engineering
- Machine tool manufacturing
- Automotive
- Environmental engineering (water treatment and waste incineration)
- Nuclear
- Shipping industry
- Food processing
- Coal gasification
- Fertilizer production
- Environmental protection
- Aerospace industry
- Naval engineering
- Biotechnology
- Analytical and medical technology



So called “critical spots” of customers’ plants, products and processes require the special qualities of our tubes and pipes: their environment of usage is defined e.g. by

- high temperature (depending on the specific grade: 250°C +)
- high pressure (500 bar +) or
- aggressive media (acids or brine)

## Instrumentation Tubes

High tech industries like transportation (e.g. automotive, railway, aircraft and shipping construction) and mechanical engineering take advantage of our tubes.

## Boiler Tubes

Boiler Tubes are found in power generation plants in applications such as reheaters and superheaters.

## Furnace Tubes

Industrial furnaces and similar applications demand our heat-, high temperature- and corrosion resistant austenitic steels, usually with high carbon contents and nickel-based alloys.

## Oil and Gas Tubes

### • OCTG (Oil Country Tubular Goods)

Onshore and offshore oil and gas exploration needs special equipment to cope with highly aggressive and partially polluted substances.

### • Umbilical Tubes

Subsea applications have to withstand aggressive sea water and must be essentially inert to the commonly used fluids transmitted through the tubes.

## Hollow Bar and Mechanical Tubes and Pipes

Hollow bars are a highly efficient quality raw material for radially machined components and a sensible alternative to the use of solid bars.

## Heat Exchanger Tubes

Refineries, (petro-)chemical and pharmaceutical industries as well as fertilizer production and food industries are just some examples of process industries which rely on the heat- and corrosion resistance of our heat exchanger tubes.

## General Tubes and Pipes

Apart from the mentioned special applications, we also offer pipe and tube for general use and different applications – mainly via distributors, but also directly to our end-users.



# Quality Management

## At MST, quality management begins way ahead of any production step:

From the selection of raw material suppliers up to the final quality tests in our own laboratories we thoroughly evaluate, test and control our products and processes, aiming at continuous improvements.

This integrated approach grants us regular re-certifications and approvals at various institutions, e.g.:





Our success in the tube and pipe business has many faces: we thrive on the creativity, the commitment, the social and technical skills of more than 1,000 employees worldwide and we are proud of the personal responsibility every employee assumes on a daily basis.

We empower our staff to develop their skills and abilities to the best common interest, offering a team of enthused, highly committed and skilled employees who know that communicating with each other and learning from each other is crucial to act in concert.

### Sales contacts

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