

Metallic shell & tube heat exchangers

AstroCosmos is now Mersen - Oxnard

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CARBON STEEL, STAINLESS STEEL AND NICKEL ALLOYS EQUIPMENT

FOCUS ON LARGE CAPACITIES

Since the acquisition of Xianda in 2009, Mersen has repeatedly invested to maintain its position of having a state-of-the-art workshop in China. The whole entity covers a total surface of 150,000 m² ground space with **85,000 m² of workshop area**. The new production center is equipped with the highest-level industrial capabilities, such as a **thermal treatment furnace for equipment up to 25 meters**, automatic welding machines, **X-Ray rooms for 20-meter length and 5m-diameter equipment**, rolling machines (one of which can handle 120 mm thick material) together with **several cranes with a cumulated capacity of 400 tons**.



For many years, both international and local customers have acknowledged Mersen Xianda as a leading manufacturer, particularly for the supply and project management of large contracts. The design

office, bringing together more than one hundred highly skilled experts in design, process and projects management, applies its experience to demanding projects.



N°1 worldwide supplier
of zirconium equipment to the
acetic acid producers

Dedicated workshops in
USA, Europe and China



ZIRCONIUM AND TITANIUM EQUIPMENT



Zirconium is suitable for corrosive environments, notably for the production of acetic acid. Mersen is recognized as the world number one, in supplying zirconium columns and produces zirconium shell and tube heat exchangers and pressure vessels for the major producers of acetic acid.

Titanium is suitable for wet chlorine and chlorinated compounds, sea water and oxidizing acids.

A long expertise in design and fabrication of reactive metal equipment combined with an international material sourcing policy allows Mersen to bring quality and cost-effective solutions.

Mersen manufactures zirconium and titanium heat exchangers in plants on three continents.



TANTALUM EQUIPMENT

Mersen produces high-end Tantalum heat exchangers in its dedicated 3000 m² workshop in Germany. Mersen, the home of Tantalum, is deemed to be the worldwide leader for the manufacture of Tantalum equipment.

The unique chemical and physical properties of Tantalum require know-how, specific equipment and highly trained people. A long experience in design, forming and welding Tantalum equipment combined with an international material sourcing policy allows Mersen to bring quality and cost-effective solutions.

Mersen has many reference lists for Tantalum bayonet heaters, U-tube heat exchangers, heating coils for columns, clad tube-sheets that are currently used in fields such as

- Hydrochloric acid
- Nitric acid
- Bromine
- Sulfuric acid
- Phosphoric acid
- Pharmaceuticals
- Acid concentration
- Strong organic acids
- Pickling baths



Worldwide leader

for the manufacture of
Tantalum equipment

Dedicated workshop

in Germany

Highly skilled welders

Many reference lists
for severe applications



85,000 m²
workshop in China

High-level industrial
capabilities

International project
management

