



ROTA
MÜHENDİSLİK



TANKS, HEAT EXCHANGERS &
PRESSURE VESSELS

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Pressure vessels are carefully fabricated, enclosed containers designed to hold either gasses or liquids at a significantly different pressure than the surrounding air pressure. These vessels have a variety of purposes in the industrial sector. We provide moderate and low wall thickness pressure vessels, heat exchangers, and storage tanks for many applications.

- We are capable of designing vessels, heat exchangers, or tanks according to international standards such as ASME and EN.
- The pressure vessels can also be produced according to PED 97/23 directives and have CE stamped.

From Due Diligence to Ready to Serve Products

We can provide tanks or vessels as a turn-key basis from the early feasibility stage of your processes. We do all engineering studies, mechanical calculations, detail design, and manufacturing with in house means. The transport and erection services are also a part of our services where required.



Eliminate Waste, not Energy!

In some cases, the need may only be to dispose of environmentally hazardous waste properly. However, with the heat exchangers we produce, we obtain hot water or steam from the energy in waste exhaust heat. These are used in various industrial processes or district heating.

Heat exchangers in waste disposal facilities recover investment costs in a short time! Moreover, it contributes to the release of exhaust into the atmosphere at lower temperatures.

CAREFULLY MANUFACTURED PRODUCTS

Pressure also means energy because creating pressure is achieved only by consuming one of the traditional energy sources. Small pressure losses that are ignored in some cases turn into significant energy losses at the end. Each pressure contained equipment must be designed and manufactured with special care; even if it carries low pressures, it is large sizing or very small.



Closely Inspected Fabrication

We carefully monitor and inspect every step of our manufacturing



High-Quality Auxiliaries

We select well-known brands to keep our products always ready to serve



Test at the Workshop

We test our products at the shop by simulating the process conditions

PROCESS SKIDS



Easy install, ready to work finished skids

We provide supply, fabrication, assembly, and testing of process skids and modules, primarily for the power and treatment plants, including supply and manufacturing of associated structural steel. The relevant piping systems, electrical and instrumentation works, and insulation are completed presented at the shop.

»» Solutions for particular demands

We manufacture heat exchangers with different material grades. The tube to tube sheet connections can be done by welding or expanding.

»» Fine Production Specific to Sectors

Not only general rules of standards such as ASME or TEMA, we strictly follow the rules specific to where the equipment works.



MEET THE EXPERIENCE

Pressure vessels can be dangerous and fatal accidents may occur when design standards are not fully implemented. We have many years of experience in pressure vessels and tanks production. These kinds of productions are usually under third party inspection. We prepare and log all necessary records such as material traceability, welding document, manufacturing data books as per international standards.



Products for Lots of Processes

We produce lots of vessels, heat exchangers, and tanks with many different material grades, whatever the process requirement is.



Exchange to Productivity

We design heat exchangers for chemical processes for different fluids. Obtaining high efficiency with a cost-effective solution is essential for our designers.



We Protect the Environment

We always care about our environment on all our production steps, but not only! We also make efficient, high-quality products for renewable energy plants. The large-capacity containers or stainless steel long-lasting vessels for geothermal power plants, incineration, and treatment plants are placed in our conventional products.

"Power your process with our reliable, cost-competitive products, power your plant!.."



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