

Nozzle pipes and distribution pipes for solar technology: quick and flexible

The skills of our Laser Processing Centre, which develops and produces photovoltaic modules, were recently among the qualities in demand for the construction of a solar plant in Saxony:

We supplied nozzle and distribution pipes in the material 1.4571.



The pipes in size 610 x 4 mm are used for cooling purposes in the plant. Pressure is used to transport the medium of water through the pipes. We manufactured both the nozzle pipes and the distribution pipes in accordance with the Pressure Vessel Directive. At the core of both products is our high-quality longitudinally-welded stainless steel pipe.

Circular holes were cut in the nozzle pipes – later to be built into two cooling tanks – using a fully automatic laser cutting machine. The dynamic and precise nature of the procedure enables strict tolerances to be complied with. The cooling water later comes out of the pipes in a controlled manner through the holes, in order to ensure the best possible mixing. This was followed by prefabrication by attaching welding-neck flanges.

The distribution pipes were built into the cooling towers of the plant. We provided them with tees and outflows which were attached on-site later.

In addition to the high product quality, we were able to demonstrate both our speed and flexibility: Between the order coming in and the first delivery of the prefabricated pipework parts lay a period of only about three weeks.

BUTTING – Progress by Tradition