

ANDRITZ AG GRAZ AUSTRIA

PRODUCTION OF CURRENTLY THE LARGEST YANKEE CYLINDER FOR A TISSUE PAPER MACHINE.



The Andritz Group is one of the world's leading suppliers of plants, equipment and services for hydro-power plants, the pulp and paper industry, the metal processing industry and the steel industry, as well as municipal and industrial solid-liquid separation.



Project features/ scope of supply:

Production of the cylinder, assembly of the hollow shaft stubs, bearings, condensation tubes & the inner piping, coating, documentation and packing of the cylinder.

Component dimensions:

Diameter 6.706mm
 Jacket length 6.180mm
 Wall thickness 70mm
 Jacket material P355NH
 Balance quality grade G 2,5
 Construction speed 2100 m/min
 Concentricity tolerance 0.5mm on outer diameter
 Total weigh 162 tons



Special features of the project:

The Yankee is a high-precision dry cylinder for tissue paper. It is also known as the Yankee Cylinder and is the core of every paper machine. On account of the component dimensions, the cylinder jacket was produced in two shots, each of which was made of three individual sheets. A further challenge was the welding together of the already finished cylinder halves. The welding shrink of the final seam required a special weld seam design to ensure the ambitious manufacturing tolerances.

Outcome:

The successful (in terms of time and costs) execution of this order was made possible thanks to our extensive experience in the field of vessels and apparatus engineering (pressure vessels, tube bundle heat exchangers, columns, etc.) for the chemical and petrochemical industry and thanks to our experienced project team. As a result, the Yankee could be handed over to the customer's fullest satisfaction and sent to the construction site in a timely manner.

Other Operations

Bilfinger Maschinenbau GmbH & Co KG

Wahringerstraße 34
 4031 Linz, Austria
 +43 732 6987 3365
 www.maschinenbau.bilfinger.com