



CASE STUDY: Johns Manville Nonwovens (Luoyang) Co., Ltd (P.R. of China)

Industry:
Chemical

Our customer:

Johns Manville, a Berkshire Hathaway Company
Johns Manville Nonwovens (Luoyang) Co., Ltd
(P.R. of China)
<https://www.jm.com/>

Requirements:

In the summer months load demand of 200 – 250 kg/h 6 – 8 hours/day, in the winter months up to full capacity of 350 kg/h 24/7 operations (steam feeds production lines and heaters).

Application:

Production of nonwovens.

Solution:

1 x Junior TC 350 with a capacity of 350 kg/h, as well as the pre-packaged CERTUSS CVE plant for the water heating and feed, including Thermotimat TC Plus, LAN Interface (Internet via company network) and Indication Expansion Set (operation/failure message module).



CERTUSS Junior TC 350 with pre-packaged CVE plant

Johns Manville Nonwovens (Luoyang) Co. Ltd.

Johns Manville, a Berkshire Hathaway Company, is a leading manufacturer and marketer of premium-quality building and specialty products, such as fibers, nonwovens and OEM insulation solutions, delivering thermic, acoustical and safety insulation to a multitude of applications. In business since 1858, the worldwide renowned Company has its headquarters in Denver (Colorado) and manufacturing facilities in North America, Europe and China. The nonwoven spunbond mat production line located in Luoyang (Henan province) in China was inaugurated in 2007, in order to support JM's focus on the Asian, and particularly the Chinese Market.

After having successfully supplied back in 2001 two steam generators with a 1300 kg/h steam capacity each to the facility in Berlin, CERTUSS was contacted by JM Luoyang again in June 2016 in order to provide an offer for their planned new facility in Luoyang.

The equipment required should supply the production line in the summer months with 200–250 kg/h steam 3 times/day for approx. 2,5 hours each. In the winter months though it should reach the full capacity on a 24/7 basis, as additionally it supplies the heaters with 100 kg/h steam continuously. For the equipment a separate room in the facility was foreseen, right next to the heating room.

In addition to the Junior TC 350, CERTUSS supplied a pre-packaged CVE plant, equipped with feed water tank, mixing cooler, steam dryer, fully automatic time dependent electronically controlled softening plant and dosing instrument. Furthermore, Thermotimat TC Plus, LAN interface and message module are likewise fitted. Commissioning took place in February 2017.

Mr. Zhang Xiang Ying, Plant Manager of JM Luoyang:

"We are happy with having chosen CERTUSS for the technology offered, the high safety protection, the easy operation and the energy saving. The best thing is I can set it up for automatic start-up/shut down, automatic start drainage and automatic clarification without need of supervision. As soon as we are ready we will integrate the steam generator to our DCS (Distributed control system)".

