

36D SINGLE-SCREW EXTRUDER FOR TECHNOLOGY CENTER IN ABU DHABI

Borouge investing in a high-quality pipe extrusion line from KraussMaffei Berstorff

Munich, September 30, 2011 – Borouge, a leading provider of innovative value creating plastics solutions, has ordered a complete polyolefins (PO) pipe extrusion line from KraussMaffei Berstorff for its new Innovation Centre in Abu Dhabi.

The order package comprises the KME 60-36 B/R single-screw extruder in the successful 36D Series, the KM-RKW 32 and KM-RKW 33 pipe heads, and corresponding downstream components for the diameter range from 12 to 63 mm. The system will be used in the development laboratory in Abu Dhabi for different tests and development projects.

Multifunctional use and high line speeds

We chose KraussMaffei Berstorff because we are impressed with the outstanding quality of the machines, their extreme efficiency and high flexibility in the use of different materials", emphasized Petri Lehmus, Innovation Centre Manager from Borouge. "In our laboratory the system will test development stages of various PO materials such as HD-PE, LD-PE, PP-HM or PP-R and also produce pipes in the diameter range of 12 to 63 mm at line speeds of between 2.8 and 100 m/min", added Lehmus. The line is equipped with two pipe heads in order to ensure a quick and flexible product change.

Proven 36D series for new developments

"We are very proud that our successful concept of the 36D long processing unit, which has enjoyed the highest possible recognition in the market for many years, is also being used for new developments, tests and customer demonstrations at

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KraussMaffei Berstorff KME 60-36 B/R single-screw extruder



Borouge Innovation Centre as it should look after completion

one of the most renowned material manufacturers", enthused Andreas Kessler, General Sales Manager for Extrusion Technology at KraussMaffei Berstorff. "Thanks to the sophisticated - in process engineering terms - barrier screw concept, we are convinced that this series will satisfy the demands in the processing of new materials to the highest possible extent. We are also expecting an increase in the number of orders for polyolefins processing", added Kessler.

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Borouge's Innovation Centre will work together with the European innovation centres of Borealis as well as with local and international educational institutions such as the Petroleum Institute of Abu Dhabi, to further develop the competence of polymer science in the United Arab Emirates.

More than 50 international researchers and engineers will focus on innovations for compounding as well as innovative plastics solutions for the infrastructure, automotive and advanced packaging industries in close cooperation and partnership with Borouge's customers throughout the value chain, ensuring that specific customer requirements are met.

The pipe extrusion line will be delivered at the end of 2011 and will be started up at the laboratory the following year.

Photos

Photo KME 60_36.jpg: KraussMaffei Berstorff single-screw extruder KME 60-36 B/R

Photo Borouge.jpg: Borouge Innovation Centre as it should look after completion

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KraussMaffei company profile

In terms of sales, KraussMaffei is world market leader in machines and systems for plastics and rubber processing. With its three divisions – Injection Molding Technology, Extrusion Technology and Reaction Process Machinery – KraussMaffei is a premium partner for the plastics and rubber processing industries worldwide.

The group markets its products under the KraussMaffei, KraussMaffei Berstorff and Netstal brands. The KraussMaffei brand covers the whole spectrum of injection and reaction molding technology, while the KraussMaffei Berstorff brand stands for successful extrusion solutions. The injection molding machines of Netstal, our Swiss subsidiary, meet the highest of requirements imposed on process implementation, parts quality and production performance and are mainly used to make highly sophisticated technical and thin-walled plastic parts. With over 100 years' of expertise and know-how in machinery for plastics and rubber processing, KraussMaffei is today a major technology and process partner for industry. The group offers a wide range of solutions that includes specialized and fully integrated turnkey systems. Headquartered in Munich, the company operates a worldwide network of 140 subsidiaries and sales agencies, and deploys over 570 service technicians, ensuring fast response and closeness to customers everywhere.

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