

Press Release 3/2014

Leistritz Micro Pelletizer 2.0: Great Technology for Smallest Pellets

Leistritz presents the optimized Leistritz Micro Pelletizer 2.0 in hall 6/6-165

Nuremberg/Germany (September 2014) – On the occasion of this year's Powtech German company Leistritz Extrusionstechnik GmbH will not only present its co-rotating twin screw extruders for the pharmaceutical industry, but will also introduce the new generation of the Leistritz Micro Pelletizer (LMP) 2.0. „With this air pelletizer we can produce pellets with diameters between 0.5 and 4 mm which can then be filled in capsules,“ explains Albrecht Huber, Head of Pharma sector at Leistritz. „This GMP-compliant pelletizer is available in two version: For the extruder sizes ZSE 18 HP-PH and ZSE 27 HP-PH.“

Details of the LMP 2.0

One of the most frequently used pharmaceutical forms for sustained release applications are capsules filled with pellets in spherical, semi-spherical and lenticular shapes (approx. 1.5 – 3 mm). The pellet size depends on the formulation and the process parameters. „In combination with the re-designed LMP 2.0 and our pharma extruders we produce micro pellets in a continuous process,“ Huber says. Those are cooled off and transported in a circulated air stream. Compared with the previous model the LMP 2.0 was decisively improved in terms of pressure build-up, flow behavior and handling.

The handling of this device is very convenient. For an effective pressure build up as well as a better melt distribution at the die, a GMP-compliant melt pump can be easily integrated between the extruder and the LMP 2.0. This way, even more homogeneous pellets can be produced. The LMP 2.0 can be run with or without melt pump.

Leistritz Extrusionstechnik at the Powtech in hall 6/stand 6-165

Figures:



LMP principle: One or two cutting blades cut the discharged melt and catapult it into the cutting chamber.



ZSE 18 HP-PH with the optimized LMP 2.0

Leistritz Extrusionstechnik GmbH

For more than 50 years Leistritz Extrusionstechnik GmbH with its headquarters in Nuremberg/Germany has been building twin screw extruders for the processing of plastics and pharmaceuticals. Leistritz customers benefit from the know-how in various areas of material processing such as masterbatch, compounding, direct, lab and pharmaceutical extrusion. The company employs around 190 people worldwide and keeps subsidiaries in the US. (Leistritz Advanced Technologies Corp.), China (Leistritz Machinery (Taicang) Co. Ltd.), and Singapore (Leistritz SEA Pte Ltd.) as well as sales offices in Italy and France.

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