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ZSE 35 iMAXX – the perfect masterbatch extruder

Leistritz Extrusionstechnik GmbH will be presenting the ZSE 35 iMAXX twin screw extruder at the Fakuma Fair from 17 to 21 October, 2017.

Nuremberg (July, 2017) – With the ZSE 35 iMAXX German Leistritz Extrusionstechnik GmbH launched a machine that scores in particular when it comes to masterbatch production. “Because here an efficient product change is crucial alongside with quality and throughput,” explains Anton Fürst, Managing Director of Leistritz Extrusionstechnik GmbH. Flexible machines that are easy to clean and have minimum downtimes are required. “Our machine is therefore very flexible and convinces with easy cleanability and minimum downtimes.” A ZSE 35 iMAXX with all its features will be displayed at the Leistritz Fakuma booth 6302 in hall A6.

Easy cleaning

Frequent product changes are accompanied by more cleaning work. The ZSE 35 iMAXX knows how to convince in this area, too, because it has been designed with closed, and thus easy-to-clean surfaces. A stainless steel cover, for example, protects the entire processing unit and drive unit against accidental contact or contamination. The cooling/heating device is fully integrated in the frame. One central water connection is all that is needed for the entire machine. Whether temperature control, heating and cooling elements, the well thought out positioning of the components guarantees optimum accessibility behind the doors in the frame and/or at the processing unit. Cleaning and replacing individual components is extremely easy.

Easy handling

The ZSE 35 iMAXX displays flexibility in many ways. The standard frame length is designed for process lengths of at least 24 L/D up to a maximum of 48 L/D. With a change of formulation, the processing unit can thus be extended or shortened. A further feature also comes

into effect: The machine is highly flexible when it comes to the operating sides. These can be exchanged as necessary. The trick here is that add-on modules such as side feeders can also be mounted on the left or right of the processing unit.

Increased energy efficiency

A synchronous drive is used in the ZSE 35 iMAXX. Leistritz contributes to an improved energy efficiency in this way. Furthermore, a torque measurement is installed. "Important conclusions can then be drawn about the energy input, particularly with new formulations," says Anton Fürst.

User friendliness, efficiency and above all reliability are also demonstrated by the control system. Product-specific settings can be saved thanks to the network link with the S7 PC 477 control system. "This means that not only are the batches 100% reproducible, the system also minimizes any operator or archiving errors," explains Anton Fürst.

ZSE MAXX info

On account of their high specific torque (up to 15.0 Nm/cm³), the ZSE MAXX machines are amongst the world's most powerful co-rotating twin screw extruders. This is complemented by the increased volume in the screw (OD/ID = 1.66), resulting in a very high quality homogenization performance and a relatively low energy input. The ZSE MAXX extruders are available in the sizes from 18 to 260 mm.

Leistritz Extrusionstechnik GmbH at the Fakuma Fair in **Hall A6/Booth 6302**

Image (© Leistritz):



*ZSE 35 iMAXX twin screw extruder –
The smart one from Leistritz*

Leistritz Extrusionstechnik GmbH

For 80 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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