

## Press Release 6/2013

### ZSE 27 iMAXX: THE perfect R&D extruder

*Leistritz introduces the redesign of their most successful ZSE MAXX extruder at the K Show from October 16<sup>th</sup> to 23<sup>rd</sup>, 2013*

Duesseldorf/Germany (October 16<sup>th</sup>, 2013) – When it comes to developing new formulations and processes or upscaling to production level, a ZSE 27 iMAXX will be used. The German extruder manufacturer Leistritz Extrusionstechnik GmbH presents their most successful extruder from the ZSE MAXX series in a new, more user-friendly design in hall 16/stand F22. „We take the feedback from the market very seriously“, explains Anton Fürst, Managing Director at Leistritz. „Our customers asked for even more ease of use and efficiency. Therefore, we reconsidered our ZSE 27 MAXX and redesigned it.“ This was done with a great result. The ZSE 27 iMAXX is an R&D extruder with „i“ntegrated design.

#### *Constructive Details*

The first striking feature of the ZSE 27 iMAXX is the missing control cabinet. It was eliminated by installing the whole extruder electrics including the water-cooled frequency converter into the base frame. Thus, the extruder not only saves space but also gets more mobile. „A further novelty is that we used a water-cooled Siemens motor“, explains Fürst. „It is smaller, but convinces with the same power.“

Another feature is the closed dual supply water-circuit. Its in- and outlet, as well as the COAX valves are integrated in the supply frame. The closed water circulation system allows for reduced water consumption and is independent from water quality. „We inserted an inspection window to be able to monitor the safety coupling“, says Fürst. „The inductive sensor can easily be exchanged via the screw joint underneath the window – without having to disassemble the whole motor.“

Besides the increased system of protection IP54 (heating cartridges even IP65) the ZSE 27 iMAXX convinces with its ease of cleaning. The machine has a smooth surface and the base frame is powder coated. All cables are neatly housed in the supply frame. Fürst: „As you can see we changed several things in terms of user and maintenance friendliness, but we perpetuated the technical advantage of the ZSE 27 MAXX: high torque and high volume.”

The work of numerous institutes, research facilities and universities as well as small batch production plants is based on the quality work of this extruder size. „Therefore, we will exhibit two of these extruders“, says Fürst. „Besides a ZSE 27 iMAXX which will be on our stand in hall 16/F22, the audience can see on the stand of the Austrian company ECON a ZSE 27 MAXX with an underwater pelletizer in operation.” In hall 9/stand C55 a heat conductive compound based on Boron nitride from ESK Ceramics will be produced.

### **Leistritz Extrusionstechnik GmbH at the K fair in hall 16/F22**

Picture:



New design: the R&D extruder ZSE 27 iMAXX

**Leistritz Extrusionstechnik GmbH**

For almost 50 years Leistritz Extrusionstechnik GmbH with its headquarters in Nuremberg/Germany has been building twin screw extruders for the processing technology. 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 160 people worldwide and keeps subsidiaries in the US (American Leistritz Extruder Corp.) and in China (Leistritz Machinery (Taicang) Co. Ltd.) as well as sales offices in Italy and France.

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