



LEISTRITZ EXTRUSIONSTECHNIK GMBH



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## **First ZSE 135 MAXX extruder delivered**

Nuremberg – Twelve meters long and over 29 tons heavy – these are the grand measurements of the ZSE 135 MAXX. Peter Zubak, responsible sales manager at Leistriz Extrusionstechnik GmbH, states: „The processing unit has a length of 52 D and a screw diameter of 140 mm, so it is the biggest twin screw extruder that has ever left our plant.” Leistriz designed the machine for the Belgium company New Summit nv. It will be used for recycling and compounding APP, PP and PE with an output of 3,5 to 5,5 t/h.

### *Convincing Advantages of the ZSE MAXX*

The ZSE MAXX extruders distinguish themselves primarily by a special shaft system that was designed by Leistriz. Due to the OD/ID ratio of 1.66, high torque combined with an increased free volume is possible. This means: highest throughputs can be obtained. Further important factors are the high-end-gearbox of a renowned German manufacturer and the water-cooled three phase motor. They stand for the most powerful drive concept for co-rotating twin screws worldwide.

### *Special Surrounding*

„Since the extruder is used in a semi-open production facility and the temperature may vary a lot there, we had to adjust the machine to the surrounding requirements“, explains Peter Zubak. The challenge was to guarantee an optimum, constant job performance of the ZSE 135 MAXX at ambient temperatures ranging from -20 to +40 °C. Therefore the gear box was equipped with an oil preheating unit with electric heating rods. Hence, it is no problem to heat up the plant even at low outside temperatures. Furthermore, the experts from Leistriz incorporated a special dual-circuit temperature control unit with an anti-freeze connection.

Characters: 1.700



Loading of the twelve meter long ZSE 135 MAXX extruder.