

PRESS RELEASE 3/2021

Brückner orders ZSE MAXX extruder for multilayer film line

A Leistritz twin screw extruder as part of a production line for multilayer film – yet one further step in the long-term partnership with Brückner

Nuremberg (July 2021) – Brückner Maschinenbau GmbH & Co. KG is relying on the technical expertise of Leistritz Extrusionstechnik GmbH: a ZSE MAXX has been installed in a line for the production of multilayer shrink film. “The new twin screw extruder will be used for manufacturing the middle layer - consisting of a hybrid polyolefin film”, explains Frederik Huck, Regional Sales Manager at Leistritz Extrusionstechnik GmbH. “But other film types can also be processed on the line with a change in the screw configuration.”

In the recycling process, these hybrid polyolefin films can be easily separated from PET bottles and other types of plastic containers with the help of the float-sink process, thus enabling problem-free bottle-to-bottle-recycling to obtain large quantities of high-quality PET flakes.

Expansion of the partnership

“We are delighted that Brückner is relying on our extrusion expertise for this application”, states Frederik Huck. The long-term goal is to strengthen the partnership, which started in the field of battery separators, and extend it to other film applications. “Brückner places extremely stringent technical requirements on its partners - but we are equal to them,” explained Huck. “We proved this in a variety of trials in our technical center, meeting the challenges facing the extruders and process know-how.”

The ZSE MAXX extruder

The high specific torque (up to 15.0 Nm/cm³) places the ZSE MAXX extruders firmly among the world's most powerful co-rotating twin screw extruders. A further plus is the high volume in the screw (OD/ID = 1.66), providing first class homogenization at a relatively low energy input.

Leistritz Extrusionstechnik GmbH

Leistritz Extrusionstechnik GmbH, headquartered in Nuremberg, has been manufacturing twin screws for compounding technology for more than 80 years. Leistritz customers benefit from the company's know-how in a wide variety of fields of material processing such as masterbatch, compounding and direct extrusion as well as laboratory and pharmaceutical extrusion. The company employs about 240 people worldwide and has three overseas subsidiaries: in the US (American Leistritz Extruder Corp.), in China (Leistritz Machinery (Taicang) Co. Ltd.) and in Singapore (Leistritz SEA Pte Ltd.), as well as a sales office in France.

For more information:

Leistritz Extrusionstechnik GmbH
Head of Marketing & Communications
Daniela Franz
Markgrafenstrasse 36-39
D-90459 Nuremberg
Phone: +49 (0) 911 4306 9623
Email: dfranz@leistritz.com