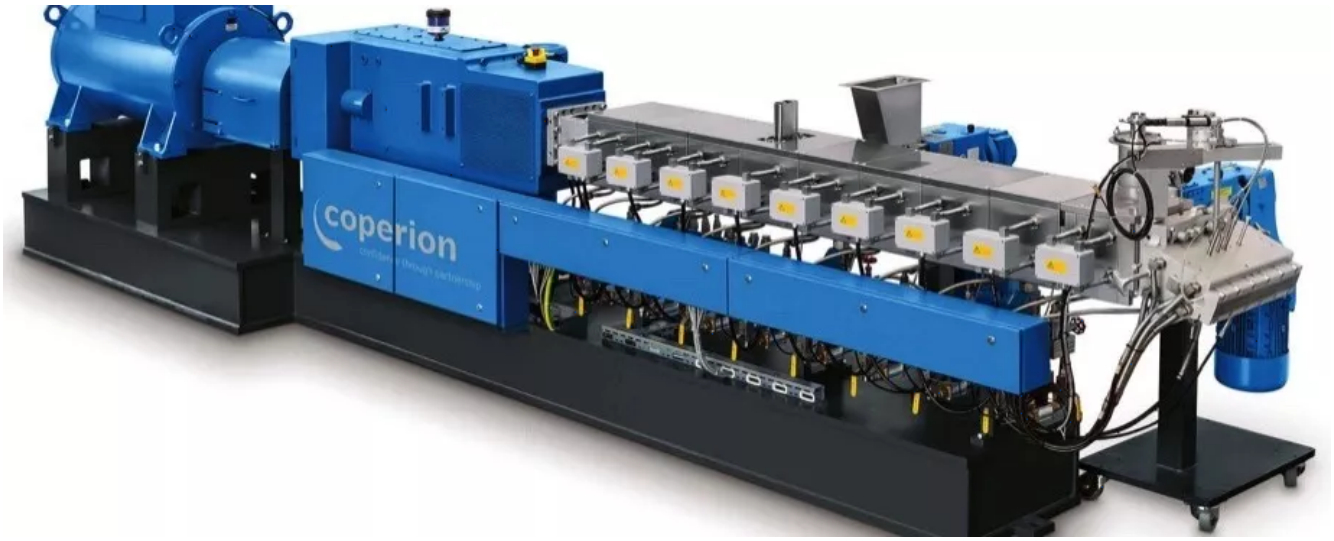

Company News

Compounder Chuanghe Expands Production with Ten Coperion Twin Screw Extruders

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Stuttgart, Germany –

Chinese compounder Chuanghe new material technology Jiangsu Co., Ltd. is relying on the performance, reliability, and flexibility of Coperion extrusion systems for the expansion of its production capacity. This specialist in high-quality engineering plastics contracted with Coperion for ten STS Mc^{11} and ZSK Mc^{18} twin screw extruders. Most of these machines are already successfully in operation at the Chuanghe site in Yangzhou City, Jiangsu Province, PR China.

Chuanghe new material technology Jiangsu manufactures high-quality plastics for the automotive, household and electronics industries. Their products include various glass fiber reinforced engineering plastics as well as biodegradable plastics and even carbon-neutral produced plastics. The ten new compounding machines procured from long-established machine and plant specialist Coperion, headquartered in Germany, precisely fulfill the high demands that manufacturing such plastics places on production technology.

High-performance Coperion Compounder for the greatest Flexibility and Reliability

Chuanghe has acquired four of Coperion's high-performance ZSK Mc^{18} twin screw extruders. (*Photo: Chuanghe new material technology, PR China)*

Chuanghe is expanding its production with several compounding machines from Coperion in order to be able to act with greater flexibility in both small batch production as well as large quantity manufacturing. For this reason, Chuanghe has invested in six Coperion STS Mc^{11} twin screw extruders of various sizes – from the STS 25 Mc^{11} laboratory extruder with a 25 mm screw diameter to the STS 75 Mc^{11} with a diameter of 75 mm.

Moreover, Chuanghe has acquired four high-performance extruders from the Coperion ZSK series – two ZSK 58 Mc^{18} models with 58 mm screw diameter for PA throughputs of up to 800 kg/h as well as two ZSK 70 Mc^{18} with 70 mm screw diameter for PA throughputs up to 1,600 kg/h – specifically for large-batch manufacturing of demanding engineering plastics. These four ZSK Mc^{18} extruders stand out for their especially high specific torque of 18 Nm/cm³. Due to the material's short residence time in the extruder, these machines operate extremely gently, achieving consistently high product quality. They are each equipped with ZS-B side feeders so that Chuanghe can exercise tremendous flexibility in compounding its plastics using various additives. All volatile components released from the plastic during production are securely degassed from the process using ZS-EG side degassing units – yet another indicator of reliable, first-class product quality.

Visionary Production Expansion that promises Success

This expansion of its machinery optimally positions Chuanghe new material technology Jiangsu for future market demands. Thanks to constant process parameters across the entire model series, Coperion extruders allow for secure scale-up from one extruder size to another, which in this case gives Chuanghe complete flexibly to utilize its machinery to full capacity. Moreover, Coperion extruders' modular design and numerous quick change features provide the flexibility necessary to implement quick recipe changes. At the same time, Coperion extruders possess the necessary prerequisites to be able to master future tasks in plastics compounding.

Joanne Shen, Managing Director of Coperion Nanjing, is very pleased: "We're excited by the close working relationship with Chuanghe new material technology Jiangsu and we are gratified by the trust that Chuanghe has placed in us with this major order. We are proud to see how the installed machines are already

demonstrating their high performance, reliability, and flexibility on a daily basis. We are certain that Chuanghe has paved the way for meeting future challenges with this expansion of their production capabilities. As a technology partner with comprehensive process expertise, we will continue to stand at Chuanghe’s side to support them closely along the way.”