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Press Release**ZSK Twin Screw Extruders for the Production of High-Performance Engineering Plastics****Dongguan Baier Plastic Acquires Three High-Temperature ZSK Extruders from Coperion**

Stuttgart, July 2026 – Dongguan Baier Plastic Co., Limited, a leading provider of high-performance engineering plastics based in China, has acquired three ZSK Mc¹⁸ compounders from Coperion. With these twin screw extruders, the company is expanding its production capacity for high-performance engineering plastics such as PA6/PA66, PEEK, PEI, PAI, PPS, PPO, PPA, PA9T, PA10T, LCP, and PA46, which are primarily used in the automotive industry, the electrical and electronics sector, and mechanical engineering.

The processing of high-performance engineering plastics places the highest demands on production technology and the compounding process. Drawing on its extensive experience accumulated over many years and numerous successful references, Coperion has designed the set-up of the three ZSK extruders and the suitable screw designs for the required high process temperatures. Combined with the high specific torque, the ZSK Mc¹⁸ extruders ensure an efficient and product-gentle operation, achieving highest throughput rates while maintaining excellent product quality.

The new extruders will enhance the production capacity and expand the product portfolio of Dongguan Baier Plastic, which has successfully operated a ZSK Mc¹⁸ twin screw extruders from Coperion for several years.

ZSK Extruders: Tailored for the Highest Demands

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High-performance engineering plastics are characterized by their ability to maintain their mechanical properties over long periods, even at extreme temperatures above 400°C.

The compounding of these plastics requires specially configured production technology. Extruders used for processing high-performance plastics must be significantly more powerful than those designed for standard plastics and must withstand high process temperatures. Coperion is recognized as an expert in extrusion systems in this field. With extensive know-how, Coperion has designed the process sections of the three ZSK Mc¹⁸ extruders for Dongguan Baier Plastic both mechanically and electrically for melt temperatures of up to 450°C. The extruders are equipped with powerful heating cartridges and effective thermal insulation to maintain the required temperatures consistently.

The twin screws are individually configured for the processing of high-performance engineering plastics, and both the screws and the barrels are equipped with special wear and corrosion protection.

The high specific torque of the ZSK extruders, combined with the specially designed twin screws, ensures a short residence time of the highly viscous melt in the process section at a very high filling degree. The result is very high throughput rates and outstanding product quality. Additionally, the side degassing units ZS-EG reliably and stably degas the plastic melt, further enhancing the product quality of the high-performance engineering plastics.

Additional intelligent features on the ZSK extruders ensure quick recipe changes. Both the side feeders ZS-B and the side degassing units ZS-EG are in easy design, allowing them to be detached from the process section particularly quickly. This minimizes downtime during recipe changes and increases the OEE (Overall Equipment Effectiveness) of the production systems. To fully exploit the performance potential of the ZSK Mc¹⁸ extruders, the ZS-B side feeders are equipped with the patented Feed Enhancement Technology (FET). In the feeding zone there is a porous, gas-permeable wall section to which a vacuum is applied externally. The result of FET technology is a significant increase in throughput and improved cost-effectiveness of the compounding system.

“We are very proud to support Dongguan Baier Plastic in their expansion with three additional ZSK Mc¹⁸ extruders. We are confident that the company is ideally positioned for the future with

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these compounding systems. We wish Dongguan Baier Plastic all the best and look forward to further collaboration!" says Joanne Shen, General Manager Engineering Plastics at Coperion.

About Coperion

Coperion (www.coperion.com) is a global industry and technology leader in compounding and extrusion systems, size reduction, washing, separating, drying, agglomeration, feeding, weighing, material handling and pneumatic conveying systems, as well as milling, mixing, thermal processing, dust collection and other services. Coperion develops, produces, and services plants, machinery, and components for the plastics and plastics recycling, chemical, battery, minerals, food and pharmaceutical industries. Coperion employs more than 5,000 people in its divisions, Performance Materials and Food, Health & Nutrition - at over 50 sales and service locations worldwide.

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Dear Colleagues,

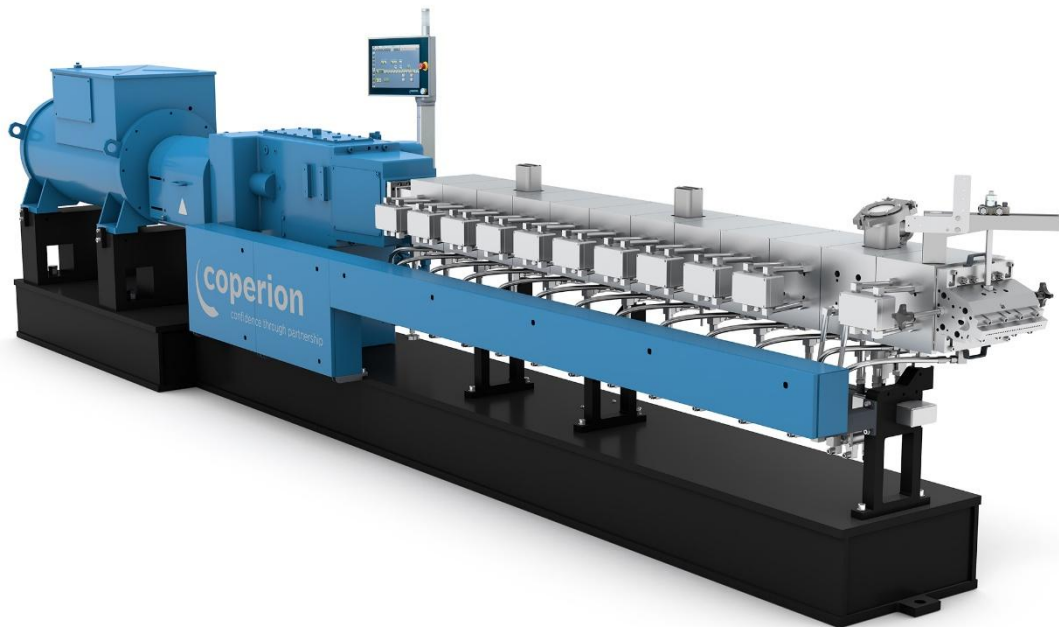
You can find and download this press release in German, English and Chinese and print-ready color images at

<https://www.coperion.com/en/news-media/newsroom/>

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The Chinese specialist in high-performance engineering plastics, Dongguan Baier Plastic, purchases three high-temperature ZSK Mc¹⁸ twin screw extruders from Coperion.

Photo: Coperion, Stuttgart Germany