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Press Release

New CTE PLUS series – twin screw extruders equipped with new gearboxes
Perfect combination of German quality mindset and Chinese innovation

Stuttgart, April 2015 – With the CTE 50 PLUS Coperion Nanjing, China, launches its new CTE PLUS twin screw extruder series at Chinaplas 2015 (Guangzhou / PR China, May 20-23, 2015). The CTE PLUS is equipped with a new gearbox engineered by Coperion Stuttgart, Germany. It offers a new terminal box that meets higher safety standards and is supplied on a unitized base frame. The series offers a very attractive cost/performance ratio and its precise manufacturing ensures the economical processing of a wide range of applications at high product quality. Before delivery each CTE PLUS extrusion system is subjected to a Factory Acceptance Test (FAT) at the Coperion Nanjing site to ensure high quality standards. As an option, the CTE PLUS series can be provided with CE certification. The CTE PLUS series is making its world public debut at Coperion's booth n. 5.1K11 in hall 5.1. at this year's Chinaplas.

New gearboxes for CTE PLUS series

To improve reliability and to ensure a longer lifespan Coperion Stuttgart, Germany, has engineered new gearboxes for the CTE PLUS that can bear a specific torque of 7.2 Nm/cm^3 and are exchangeable with old generation CTE gearboxes. The rotating parts and bearings of the new gearboxes have been redesigned, tooth width has been enlarged and tooth flank and profile have been optimized to ensure a perfect intermeshing surface. The new gearboxes offer improved cooling and oil supply and the geometry of their housing has been optimized for higher stiffness and prevention of vibrations. The gearbox housings are all manufactured in-house at Coperion Nanjing. After production all gearbox housings are checked in-house with a 3D inspection machine to ensure dimensional precision up to $1.4 \mu\text{m}$. Every single CTE PLUS gearbox is subjected to almost 40 inspection items.

April 2015

Improved quality standards at Coperion in Nanjing

Coperion Nanjing - the production site of the CTE series - has implemented comprehensive standards to improve production quality. Coperion Nanjing is using numerous modern, German supplied machining centers and quality check instruments. The state-of-the-art CNC machining centers for the production of barrels and screw elements as well as the inspection centers for barrels, screw elements and gearbox housings ensure high production quality.

Coperion (www.coperion.com) is the international market and technology leader in compounding systems, feeding technology, bulk materials handling systems and services. Coperion designs, develops, manufactures and maintains systems, machines and components for the plastics, chemicals, pharmaceutical, food and minerals industries. Within its four divisions – Compounding & Extrusion, Equipment & Systems, Materials Handling and Service – Coperion has 2,500 employees and nearly 40 sales and service companies worldwide.

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Dear Colleagues,
This press release in English, Chinese and German
and the colour photos in printable quality are available for download from
<http://www.coperion.com/en/news/newsroom/>

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The new Coperion CTE PLUS twin screw extruder series is equipped with new gearboxes engineered by Coperion Stuttgart, Germany.

Photo: Coperion, Stuttgart