

Contact

Bettina König
Marketing Communications
Coperion GmbH
Theodorstrasse 10
70469 Stuttgart / Germany

Telefon +49 (0)711 897 22 15
Telefax +49 (0)711 897 39 74
bettina.koenig@coperion.com
www.coperion.com

Press Release

STS Mc¹¹ – The next generation of Coperion's STS compounding extruders
Increased torque and high quality European gearboxes for new STS Mc¹¹

Stuttgart, March 2015 – The next generation of Coperion's STS twin screw extruders is making its world public debut at Chinaplas 2015 (Guangzhou / PR China, May 20-23, 2015). The new STS Mc¹¹ series features an increase in torque from 10 to 11.3 Nm/cm³ and for the first time is part of Coperion's industry-proven ZSK MEGAcocompounder method patent. When it comes to compounding with high energy input, the new STS Mc¹¹ series provides increased throughput by up to 27 % as well as decreased melt temperature due to higher screw filling, thus improving the quality of the resulting compound. The new STS Mc¹¹ series is exclusively equipped with high quality European gearboxes. Screw speed has been increased from 800 to 900 rpm. To improve cleaning and quick change for masterbatch applications, the STS Mc¹¹ is equipped with new hoppers with inserts and a redesigned die head. The screw shaft coupling is similar to the time-tested design of the ZSK Mc¹⁸ series. Coperion presents the new STS 65 Mc¹¹ twin screw extruder together with a feeder from Coperion K-Tron at Chinaplas 2015 on their booth no. 5.1K11 in hall 5.1.

New Coperion-branded gearboxes for STS Mc¹¹ series

The STS Mc¹¹ series will be equipped with Coperion-branded gearboxes, which will also be used in the medium torque version of the ZSK series. The gearbox redesign project was initiated and driven by Coperion experts together with well-known European suppliers. The new design is a result of Coperion's extensive experience with the set-up and service of gearboxes gathered over the past decades. By branding the new gearboxes Coperion is taking full responsibility for design, engineering and service. Coperion will act as the direct contact for all issues regarding the gearboxes, including customer documentation and after sales service. The

March 2015

service group has skilled technicians and quickly available spare parts for customers all around the world.

New base frame of STS Mc¹¹ for increased operating safety

To increase stiffness during operation with a torque of 11.3 Nm/cm³, the STS Mc¹¹ series is equipped with a totally redesigned base frame (finite element method). This base frame dampens vibrations and ensures smooth operation of the twin screw extruder. It increases operation safety and promotes long service life of the extrusion system.

Improved quality standards at Coperion in Nanjing

During the development process of the new STS Mc¹¹ series, Coperion Nanjing, China - the production site of the STS series - has undertaken comprehensive initiatives to improve its quality standards. Coperion Nanjing is now using state-of-the-art German machining centers and time-tested Coperion quality production standards have been implemented. The entire production and assembly process is closely controlled by Quality Check Points and Factory Acceptance Tests (FAT) using high-precision, high-level German production and quality measuring machinery and equipment.

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.



March 2015

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/>

Editorial contact and voucher copies:

Dr. Georg Krassowski, KONSENS Public Relations GmbH & Co. KG,
Hans-Kudlich-Straße 25, D-64823 Groß-Umstadt
Phone: +49 (0)60 78/93 63-0, Fax: +49 (0)60 78/93 63-20
E-Mail: mail@konsens.de, Internet: www.konsens.de



The new Coperion STS Mc¹¹ series with increased torque of 11.3 Nm/cm³ is equipped with new Coperion-branded gearboxes from renowned European suppliers.

Photo: Coperion, Stuttgart