

## **Communication: Compression**

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### **GEA Highlights Compression Technology at ACHEMA 2015**

**With GEA's integrated process solutions, customer-inspired innovation and unparalleled expertise, there's no limits, no boundaries, just Infinite Possibilities.**

GEA Group, a market-leading supplier of pharmaceutical equipment and technology, will highlight its solid dosage manufacturing expertise at the upcoming ACHEMA 2015 trade show (Hall 4, Stand F46) in Frankfurt, Germany in June (15–19), showcasing innovative new developments in compression, containment and continuous processing.

"For more than a hundred years, our innovation, driven by our passion for excellence, has pioneered tablet compression technology, allowing pharmaceutical and industrial companies to prosper, produce extraordinary products and change people's lives," says Johan Van Evelghem, Sales Director, Pharma Compression.

"GEA's tableting technologies include a unique system that independently and simultaneously measures and controls both tablet weight and hardness, and a weight control system that provides increased sensitivity at lower forces. Our presses offer extended dwell times — up to 300% — resulting in higher outputs and enhanced productivity. And that's just the tip of the iceberg," he adds.

#### **PERFORMA™ Lite - Small, Fast and Versatile**

On-stand at the show, GEA will be displaying the PERFORMA™ Lite, a cost-effective version of its market-leading PERFORMA™ P rotary tablet press. The PERFORMA™ Lite is small, fast and versatile, and has been designed for medium-scale solid dosage form production at rates of up to 320,000 tablets per hour. In addition, the PERFORMA™ Lite benefits from an exchangeable turret, which enables product changeover in just 30 minutes using a semi-automatic exchange sequence, easy cleaning and ready access to the compression area for maintenance. As standard, the machine is equipped with a constant level feeding system, replaceable upper guides, removable scraper seals and die seats. When performance, flexibility and process control really matter, the PERFORMA™ Lite is your tablet press of choice.

#### **Wash-off-Line Exchangeable Compression Module (WOL-ECM)**

The exhibits will also include GEA's Wash-off-Line Exchangeable Compression Module (WOL-ECM). When dealing with highly potent substances, tablet compression can be challenging. Much more than a conventional exchangeable die table, the ECM is a sealed unit that's isolated from the remainder of the tablet press and not only contains the turret and compression tooling, but all the product-contact parts as well. Providing both operator and product safety, the WOL-ECM can be easily removed and replaced with a clean unit in just 30 minutes for fast product changeovers of less than 2 hours. Offering easy cleaning, high throughput and removing any risk of cross-contamination, this extremely short changeover time results in unmatched efficiencies and flexible tablet production. Visit the stand to experience the off-line washing procedure.



## **Live Demonstration of MUPS Tablet Production**

Also in action, a GEA tablet press will be producing MUPS during the show. MUPS (Multiple Unit Pellet System) is a pharmaceutical solid dosage form produced by compressing a mixture of drug-containing pellets and powder excipients. An innovative MUPS tablet production line has been developed by the company that eliminates segregation and significantly increases process yield.

## **Wash-off-Line Exchangeable Compression Module (WOL-ECM)**

Further, as a pioneer in the concept of continuous processing and lean manufacturing, GEA will also be demonstrating its ConsiGma™ continuous coater. A high speed drum coater, designed as part of the company's integrated tableting solution, the ConsiGma™ coater can apply decorative and functional coatings using both aqueous and solvent-based suspensions. WOL-compatible for fast changeovers, this plug flow-based technology offers short process times and virtually no scale-up. Combined with a MODUL™ P press, the coater will showcase an innovative feed system.

## **Innovative, Unique Tablet Presses**

And if that wasn't enough, there's more to be revealed. "Innovation brings challenges, but it's a challenge we welcome," notes Johan. "We're constantly looking to overcome hurdles with new technology and present new, unique solutions to the pharmaceutical industry. At ACHEMA this year, we're going to do exactly that," he added: "We're taking the concept of Infinite Possibilities to the next level and we're looking forward to making a significant product announcement during the show."

GEA is widely recognised as a market leader in many fields of business. We are renowned for our experience, expertise and innovation and, invigorated by the dedication of our employees. We design, test and develop our core technology to provide the widest range of solutions and after-sales service in the market. To arrange an appointment or request further information, please contact us [pharma@gea.com](mailto:pharma@gea.com). We look forward to seeing you.

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