

Press Release**Oerlikon Barmag at the K'2013**

Focus on increasing systems and components productivity

Chemnitz, Remscheid, September 20, 2013 – Oerlikon Barmag will be exhibiting in two halls at this year's K2013 plastics trade fair in Düsseldorf. Between October 16 and 23, the machine and systems builder will be showcasing pump construction and extrusion system innovations.

New tape production process sets benchmark in productivity

New tape production solutions will be the primary focus at Stand F18 in Hall 16. The spotlight of the new developments from the Chemnitz-based think tank is on significantly increasing profitability for tape manufacturers: with increases of up to 50 percent vis-à-vis conventional standard systems, Oerlikon Barmag has managed a quantum leap in efficiency. This increase in efficiency has been made possible by the revolutionized process in the new EvoTape tape system in conjunction with the also newly-developed, automatic WinTape winding system. At the 'Open House' event – taking place at the Chemnitz site in parallel to the trade fair – interested customers can inform themselves of the benefits and advantages of the company's new developments.

New Barmag high-speed extruder pump

At Stand A60 in Hall 10, Oerlikon Barmag's pump specialist will be presenting the new high-speed extruder pump, which generates higher throughputs for lower investment. The higher speeds permit a considerably greater throughput adjustment range with simultaneously lower pulsation. Furthermore, the reduced friction surfaces ensure lower melt temperature increases and hence more efficient and energy-saving production.

The improved process properties – with increased throughputs – supplement the already familiar benefits of the Oerlikon Barmag extruder pumps. These include pronounced volumetric efficiency, particular compressive strength, high impermeability and extreme durability. As a result of bundling the advantages, the customer benefits from a doubling of the throughputs with the same pump size with simultaneously considerably lower melt temperature increases.

Self-sufficient metering unit for the plastics industry

Furthermore, Oerlikon Barmag will be showcasing the GM Control system, self-sufficient metering unit that it premiered at the end of last year. With this, the leading provider of gear pumps has responded to the demand from many users for an easy-to-operate plug-and-play version of the company's proven series of GM metering pumps. The unit can be directly controlled, but can also be retrofitted to existing process control units.

Whether for casting PUR molded parts, laminating composite components, metering additives into a running extrusion process, applying cold adhesives or for flexible deployment in production systems with changing requirements – the compact, mobile GM Control unit can now support all these tasks with the accustomed metering accuracy even more simply than in the past.

The user-friendly touch screen-operated control unit permits the definition of metering volumes – even variably depending on the main production process. In addition to this, all other required parameters can be easily defined, while all important process data is clearly displayed on the touchscreen. Furthermore, pressure and tank fill level monitoring are possible. Communication with other metering or mixing systems is achieved using CAN bus interfaces or network (LAN) connections. Quick couplings at the inlets and outlets permit clean, leakage-free connections to the supply tanks and to the product lines. Smooth running rollers ensure the entire unit can be flexibly deployed in different places.

The core of the GM Control metering unit – the GM pump – is available for numerous different conveying capacities. For this reason, operators can now always choose the most suitable metering unit for the most diverse range of throughput volumes.

585 words

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About Oerlikon

Oerlikon (SIX: OERL) is one of the world's leading high-tech industrial group specializing in machine and plant engineering. The company is a provider of innovative industrial solutions and cutting-edge technologies for textile machines, drives, vacuum and solar energy systems, thin-film coating and advanced nanotechnology. A Swiss company with a tradition going back more than 100 years, Oerlikon is a global player with more than 17,000 employees at more than 150 locations in 38 countries and sales of CHF 4.2 billion in 2011. In 2011, the company invested CHF 213 million in R&D, with over 1,200 specialists working on future products and services. In most areas, the company ranks either first or second in the respective global markets.

About Oerlikon Barmag

Oerlikon Barmag is the world market leader for spinning systems and equipment for manmade fibers such as polyester, nylon and polypropylene and for texturing machines. As a service provider, Oerlikon Barmag offers engineering solutions along the entire textile value-added chain. As a future-oriented company, Oerlikon Barmag attaches great importance to energy efficiency and sustainable technologies in all its developments. The company's core competencies include the manufacture of the corresponding components for the production of manmade fibers such as extruders, winders, pumps and godets. Oerlikon Barmag has also established itself as a successful niche-market supplier: winders for special yarns and tape and monofilament systems are developed and manufactured at the Chemnitz site.

For further information: www.oerlikon.com/manmade-fibers