ENGEL to reorganize Plasticizing Systems division

Closer to the customer

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The plasticizing unit is key to the quality and performance of injection moulding machines. The screw, non-return valve and barrel are critical to the melt quality and repeatability of the injection moulding process as well as the service life and cost-effectiveness of a machine. To respond even better to individual requirements of clients, ENGEL has reorganised its Plasticizing Systems division and is investing 17 million euros in expanding capacities and introducing new technologies.

Demands on plasticizing units are rising: innovative additives and higher filler content, economising on weight and material, tighter dimensional tolerances and increasing requirements for higher surface quality. All these factors are constantly driving development. “The challenge for us is to ensure that even new materials can be processed faster and to a higher quality standard despite the increasing stresses on mechanical components,” says Günther Klammer, head of the Plasticizing Systems division. Screw technology has been a constant in Klammer’s career since 1995, and his team can draw on a wealth of experience. They are responsible for the development and production of ENGEL plasticizing units as well as consulting customers on process technology.

Development, production and support from a single source

The recently established process of Concurrent Development ensures that the experience and ideas of users are applied to the development of new products, and that ENGEL can continuously improve its production concepts. “Our aim is to increase the benefit to the customer,” says Klammer. “Therefore, we work closely with our colleagues in the application technology and service divisions, and even consult with customers at their production facilities. This is how we can offer ideal solutions to highly individual requirements across many different sectors.”
To analyse the plasticizing unit itself, as well as in interaction with other components of an injection moulding machine, the team around Günther Klammer has pooled a whole range of skills – from metallurgy and welding technology to rheology, plastics engineering, design, NC programming, manufacturing technology and support. Experts are researching the complex physical and chemical influences in the plasticizing process while optimising the company’s own manufacturing processes. ENGEL combines a high vertical integration of manufacture with lean and resource-efficient production processes to guarantee high quality and fast delivery.

At present, ENGEL produces some 6,000 screws and barrels with diameters from 15 to 170 mm annually – a figure set to double by 2020. With this in mind, ENGEL is investing 17 million euros in new machine tools, heat treatment equipment, material flows and new technologies. A fully integrated CAx process chain will raise productivity even further.

More than 20 years’ experience: Günther Klammer heads Plasticizing Systems division at ENGEL AUSTRIA.
In the Plasticizing Systems division, all efforts lead to increased benefits for customers: ENGEL’s plasticizing solutions are targeted to fulfill the customer’s individual requirements while guaranteeing unbeatable quality and fast delivery times.

Pictures: ENGEL

ENGEL AUSTRIA GmbH

ENGEL is one of the global leaders in the manufacture of plastics processing machines. Today, the ENGEL Group offers a full range of technology modules for plastics processing as a single source supplier: injection moulding machines for thermoplastics and elastomers, and automation, with the assurance that individual components are also competitive and successful in world markets. With nine production plants in Europe, North America and Asia (China and Korea), and subsidiaries and representatives in more than 85 countries, ENGEL offers its customers the excellent global support they need to compete and succeed with new technologies and leading-edge production systems.

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