



Press release



Technological Versatility and Precision for Teletronics ENGEL at K 2007

Schwertberg / Austria: September 2007 – ENGEL has bundled its activities for the electrical industry (low voltage), electronics and communications in its Teletronics Division. At the world's leading plastics fair, K 2007, from 24th to 31st October in Düsseldorf, Germany, ENGEL will be showing a representative cross-section of modern production technology for plugs, mobile phones, and precision micro-parts.

The most significant innovation on the machine side at K 2007 will be the newly developed, compact, fully-electric ENGEL e-max 200/100 machine with a clamping force of 1.000 kN – rounded off to provide a turnkey production cell with a robot/parts removal unit ENGEL ERC 23 + Trayserver ENGEL ETS5 (for orientated parts depositing), which will be manufacturing mobile phone shells from a PC blend in a two-cavity mould. The precise, fully-electric ENGEL e-max machine is particularly compact, and includes a new clamping unit with four tie-bars, a large tie-bar gap, a wide opening stroke, and a generously dimensioned mould mounting space. The new injection unit achieves high injection speeds, high pressures, excellent precision, excellent dynamics and best-of-breed performance. Thanks to excellent performance, the ENGEL e-max offers excellent cost effectiveness.



Three-Component Injection Moulding of Switches

As an example of the kind of technological versatility ENGEL offers to the Teletronics industry, ENGEL will be demonstrating the production of a switch using ENGEL combimelt three-component technology, with picking & placing and multi-component moulding. The switch is injection moulded using a 3*4-cavity ENGEL mould. An ENGEL victory 330H/80W/80V/130 with ENGEL ERC 63 parts removal robot will be producing the switch from Ultramid A3WG6 polyamide by BASF and two POM types (Delrin 577 and 500 by DuPont).

Versatile Machines, Processes and Applications

Besides the high-performance ENGEL speed injection moulding machines for the packaging industry, ENGEL will also be exhibiting the dual-platen ENGEL duo machine series, tiebar-less ENGEL victory machines, the fully-electric ENGEL e-motion precision machine, the compact, fully-electric ENGEL e-maximum and ENGEL elast machines, which specialise in elastomer processing.

ENGEL at K 2007 in Düsseldorf:
Hall 15 Booth 15 C 58 (main booth)
Hall 10 Booth 10 D 42 (automation technology)



Newly developed, compact, fully-electric ENGEL e-max 200/100 machine with a clamping force of 1,000 kN, high performance, and excellent cost-effectiveness



Mobile phone shells made of PC blend, produced on the new, fully-electric ENGEL e-max 200/100 machine



Three-component ENGEL victory 330H/80W/80V/130 injection moulding machine producing a switch for the automotive industry based on ENGEL combimelt technology



Switch made of polyamide and polyoxymethylene, produce using ENGEL's combimelt three-component technology using a 3*4-cavity ENGEL mould on an ENGEL victory 330H/80W/80V/130

Photos by: ENGEL



Engel Austria GmbH

The Engel brand denotes the world's biggest manufacturer of injection moulding machines and, at the same time, one of the world's leading plastics processing machine manufacturers. Today, the Engel Group offers its customers a single-source for a full range of plastics processing technology modules for: injection moulding machines for thermoplastics and elastomers, moulds and automation, with the assurance that individual components are competitive and successful on world markets. With eight production plants in Europe, North America and Asia (China, Korea), subsidiaries in 17 countries, and representatives in over 70 countries, Engel offers its customers the best-of-breed, global support they need to compete and succeed with new technologies, and leading-edge production systems.



Contact address for inquiries:

Gerd Liebig, Group Marketing Director, ENGEL AUSTRIA GmbH,
Ludwig-Engel-Straße 1, A-4311 Schwertberg/Austria, Tel.: +43 (0)50 / 620-0, Fax: -3009
Email: gerd.liebig@engel.at

Eva Haslinger, Marketing Manager Public Relations, ENGEL AUSTRIA GmbH,
Ludwig-Engel-Straße 1, A-4311 Schwertberg/Austria, Tel.: +43 (0)50 / 620-0, Fax: -3009
Email: eva.haslinger@engel.at