

integral soft foam from Rampf Polymer Solutions is tack-free in about three minutes. Once the foam has been applied, Rampf said the component can undergo further processing straight away without the need for further curing, saving both time and costs.

### RocTool's one step fast molding technology makes premiere

RocTool presented for the first time a combination of its heat & cool process, demonstrating superior surface appearance, lightweight, thin-wall and fast molding of high quality parts combined in a single process step.

By combining these together, the injection molding process is reduced to a single step for further cost reductions and mass production.

The demonstration is conducted with the expertise of two major technology suppliers in the plastic injection field: GF Agie Charmilles with its 3D laser texturing method and Trexel's MuCell microcellular foam technology.

This one step fast molding technology was performed at Engel's stand on an Engel duo 2550/550 molding machine, producing polycarbonate-acrylonitrile butadiene styrene (PC-ABS) center-console parts designed by RocTool.

### Roemheld introduces new M-TECS magnetic clamping plates with FES system

Roemheld, a German clamping and drive technology supplier, introduced its new M-TECS magnetic clamping plates.

The new magnetic clamping plates with Force Evaluation System (FES) can

constantly monitor the working cycle of injection molding machines. It intervenes dynamically and is developed to operate with a touchscreen operator interface and tablet. Remote control is available via Ethernet.

Another Roemheld's development concerns the combination of different types of pole in the same plate. Sometimes the rigidity of the design based on square poles means that some zones are not covered by the magnetic poles, the company explained. The long pole, on the other hand, offers greater design flexibility.



Roemheld integrate these two technologies according to specific application needs to obtain the best force.

### Sonderhoff's new SMART dispensing cell under the spotlight

Sonderhoff Engineering featured its new SMART - DM 402 dispensing cell for foam gasketing, gluing and potting purposes at Fakuma 2014. This new dispensing cell has a fully modular design and is equipped with new built-in safety technology.

Thanks to standardized modules, the SMART - DM 402 dispensing cell has a simple and modular design. The mixing and dosing area, as well as the linear robot, are compactly located on a common base frame.



Unobstructed access to the dispensing cell for maintenance and cleaning purposes is, for example, ensured by opening the maintenance door at an angle of 180°. The rinsing containers can be accessed and emptied faster by means of a telescopic drawer.

A separate supply level in the cell floor ensures a protected guidance of the electric and pneumatic lines. The hose guide of the individual material components from the dosing pumps to the mixing head has been improved.

In addition, feeding the dispensing cell with parts for applying foam seals, glues or potting compounds is done by means of an automatic rotary indexing table with a 180° partitioning for an insertion and a work position which change within 1.5s.

### A metal separators showcase from S+S

S+S Separation and Sorting Technology GmbH introduced its metal separators and magnet systems that prevent damage and increase efficiency in plastics processing.

The Protector range metal separators are suitable for all types of conveying; they are directly installed on the material inlet of injection molding machines.