

Kloeckner DESMA, Fridingen, at the 17th International Trade Fair for Plastics and Rubber–Hall 16 Booth F56

Top Technology in Injection Moulding

Every three years Duesseldorf becomes the hub of the elastomer industry: The K, the fair for plastics and rubber, has almost 3,000 exhibitors from more than 50 countries who showcase their latest products and technologies. Also Kloeckner DESMA, the world's leading manufacturer of injection moulding machines for elastomer presents its new developments.

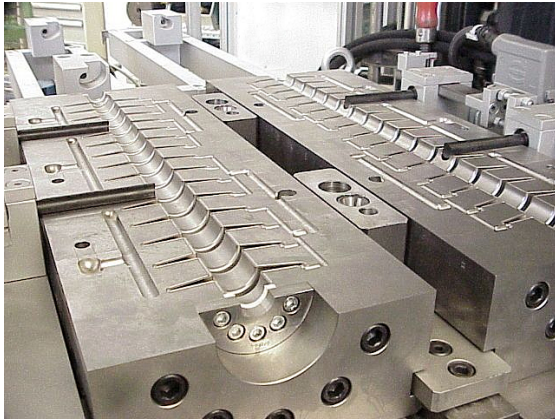
At the K 2007, Kloeckner DESMA Elastomertechnik shows innovations around the subject material-efficient cycle time reduction. Here the focus is on the cold runner system, *FlowControl*, which won the Product Award 2006 from the DKG (German Rubber Association). Due to considerable further developments, the DESMA engineers succeeded in enhancing once more the efficiency of this system. With more than 75 *FlowControl* systems being delivered worldwide, a new industry standard for hydraulically driven shut-off cold runner blocks was defined. Several *FlowControl* cold runner systems for different applications are to be seen at the K.



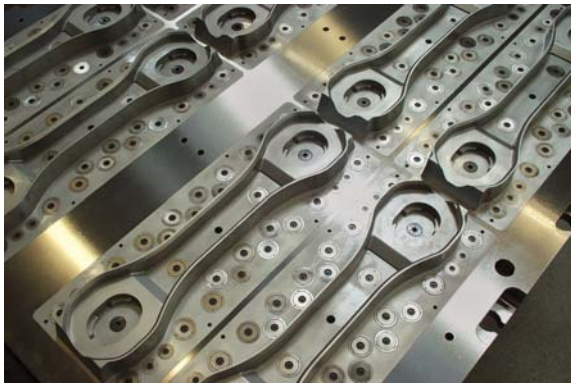
(Picture: DESMA *FlowControl* cold runner system)

The DESMA-owned mould shop demonstrates the whole gamut of its performance: Moulds and cold runner systems of superior quality ranging in size up to 1,200 x 1,700 mm cover all conceivable applications. As part of turnkey production systems, the moulds are optimally adjusted to these systems and tested in their perfect interaction. Particularly for the sectors – seal engineering and mould systems for the electrical industry – DESMA has developed breakthrough technologies. In this context the moulds for the simultaneous production of different article sizes in one mould are especially worth mentioning. Moreover, a rapid exchangeability of the cavity inserts depending on

the quantity demanded by the end customer was realised. The interested specialist visitor may of course find other examples of this at the Desma booth.



(Picture: DESMA injection mould to produce long-rod insulators for power supply)



(Picture: DESMA large mould to produce switch sleepers for railroad tracks)

From the completely new-developed Compact series, DESMA has the D 968.250 ZO Compact on display which is produced for the world market at the three locations Germany, India and China. This machine is available with three different control system variations: With the well-known controls DRC 1210 and DRC 2010 and now also with the new basic control system DRC 910. This series can be delivered with 4,500 kN clamping force, too, requires little floor space and surely features the "one-piece design" that enables maximum flexibility in production. Under the trade name SIGMA, the complete series is further available with country-specific equipment. Fitted with the DRC 1210 control and a *FlowControl* cold runner system, it will be demonstrated with a seal mould how precisely the injection process per nozzle can be set. Irrespective of direct or indirect article injection.



(Picture: D 968.250 ZO Compact)

With the best seller among horizontal machines, the D 969.300 Z (S1), DESMA exhibits a couple of innovative development steps compared to the forerunner model: From a more compact overall design requiring distinctly less floor space and a new series of high-pressure injection units, across optimized machine motion times for higher cycle time savings, to a highly flexible automation system with quick-change brush heads.



(Picture: DESMA 969.300 Z)

As the inventor of ergonomic vertical machines, DESMA presents a D 968.400 ZO with Benchmark clamping system. After working at ground level became a very popular part in modern production planning quite some time ago, operating the machine has now been further simplified by DESMA with a larger opening stroke. This promises not only

faster feeding and easier article demoulding, but overall a decisively faster operation because everything is just within arm's reach.



(Picture: DESMA 968.560 ZO Benchmark 750 with shuttle table)

DESMA added also an data storage upgrade to its control system DRC 2010. Instead of saving the data records on hard disk and disk drive, they are now memorized on a Compact Flash and a USB stick. Another news is the development of individual language adaptations: It allows the operator to perform such adaptations on the user surface on his own. Thus, even specific processes can be depicted in user-understandable text passages and also country-specific dialects are taken into account.

Kloeckner DESMA to be found at the K 2007 from 24 to 31 October in Duesseldorf in hall 16, booth F56. For additional information see: www.desma.biz