



Press release
08 May 2012

MACAM S.r.l. exhibits micro-application and efficient
standard injection moulding

MACAM S.r.l. attending the Plast 2012 in Milan with three machines

MACAM S.r.l. is exhibiting to the electricity and packaging industry at Plast from 8th until 12th May in Milan with compact machinery for medical engineering micro-parts and two further applications. At stand C75/D70 in Hall 24, the Italian representative of the German-Japanese machine manufacturer Sumitomo (SHI) Demag will be demonstrating to the specialist visitors the performance capabilities, precision and reproducibility of its IntElect and Systec machine series.

An IntElect 100-340 (1,000 kN clamping force) will be manufacturing dialysis blood filters with a mesh opening of 0.27 mm made of PEHD in a cycle time of 10 seconds at Plast 2012. The shot weight of just 13 grams with the use of 16 cavities sets high quality demands and requires absolute reproducibility. With its precise and sensitive drives, the IntElect already meets the special requirements for zero-defect production.



The 16-cavity hot runner mould was designed and built by BARTEK Srl, S. Prospero (MO)/Italy.

IntElect smart equipped for clean-room production

With its IntElect smart, NC5 control and comprehensive catalogue of options, Sumitomo (SHI) Demag offers injection moulders a flexible and economic machine design from the electric machine series modular system. Due to numerous equipment features, the IntElect 100 is already set up at the standard required for use in producing medical plastic parts. It provides large tie-bar distances, linear guides for maximum parallelism for tool platens, excellent reproducibility with outstanding processing capability values as well as high reliability and availability. These properties rank as the basis for the zero-defect production of medical and medical engineering precision parts.

The IntElect 100-340, as the central component of the production system at Plast, is equipped with a 35 mm screw. Sumitomo (SHI) Demag's active mould protection concept contributes to the availability and durability of the machine. At the end of 2011, the tried and tested activeQ function, which stops the mould closure movement in the event of unusually increased processing force being applied, was supplemented further by the new activeQ+ function, ensuring controlled opening of the mould. This prevents the mould from being damaged in the event of parts being snagged during opening.

Like all of its electric injection moulding machines, Sumitomo (SHI) Demag manufactures the IntElect smart in its centre of competence for electric machine



technology in Wiehe, Thuringia. It is programmed with eight clamping forces ranging from 500 to 4,500 kN.

IntElect 220-1100 manufacturing flip-tops

A further all-electric IntElect 220-1100 (2,200 kN) will be manufacturing flip-tops made of polypropylene (PP) at the MACAM S.r.l. exhibition stand. Using the 12-cavity hot runner mould from GIFLOR Srl, Grumolo delle Abbadesse (VI)/Italy, flip-tops will be created in a cycle time of 12 seconds.

Systec 210-1450 manufactures three-cavity distributors for the electronics field

Sumitomo (SHI) Demag now offers its fully regulated, hydraulic all-purpose Systec machine in 19 sizes ranging in clamping force from 350 to 20,000 kN: up to 1,200 kN with a fully hydraulic clamping unit and from 1,300 kN upwards with a toggle clamping unit.

A Systec 210-1450 (2,100 kN) with a one-cavity hot runner mould from FANTON Spa, Conselve (PD)/Italy will be manufacturing a three-cavity distributor weighing 98 g and made of ABS at Plast 2012.

MACAM S.r.l.

Plast Milan, 8-12 May, 2012

FIERA MILANO, Strada Statale 33 del Sempione –

Hall 24 Stand C75/D70



MACAM S.r.l.

The injection moulding machine manufacturer Sumitomo (SHI) Demag, Schwaig/Germany, has been represented in Italy by MACAM S.r.l. since mid-2009. The Macam Company has its head office in Rivoli (TO) and has built up an excellent reputation in the technical services field over a number of years.

MACAM has been working in the field of plastic injection moulding since 1989 and has adopted all the technological innovations there have been over the decades. Its customers in the Italian market are provided support with customised problem solutions and the greatest possible flexibility.

The technologically cutting-edge machinery enables its processors to deliver the greatest successes on a daily basis and guarantee the best possible production performance. MACAM has a presence not just at its head office in Rivoli (TO), near Turin, but also has sales offices and service centres in all the economically significant regions of Italy. Customers thus have access to support with spare parts and customer services everywhere and at all times. The philosophy of the company is characterised by striving for quality and comprehensive customer care in all technical matters.

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<IntElect_100-340>



The all-electric IntElect 100 will be producing dialysis blood filters with a mesh opening of 0.27 mm at Plast 2012

Photo: Sumitomo (SHI) Demag

<IntElect_100_dialysis_blood_filter>



Dialysis blood filters, manufactured on an all-electric IntElect 100-340 injection moulding machine in a 16-cavity mould from BARTEK Srl

Photo: BARTEK Srl

<IntElect_220_flip-tops>



Flip-tops, manufactured on an all-electric IntElect 220-1100 injection moulding machine in a 12-cavity mould from GIFLOR Srl

Photo: GIFLOR Srl

<Systec_160_840>



The Systec machines from 1,300 kN upwards with toggle clamping unit on offer provide an economical solution for production covering the broad range of standard applications. A 2,100 kN version will be producing three-cavity distributors made of ABS at Plast

Photo: Sumitomo (SHI) Demag

<Systec_210_three-cavity_distributor>



This three-cavity distributor made of ABS is used in the electronics sector.

Photo: FANTON Spa