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PRESS RELEASE

REP international keeps momentum

Corbas, 2015 March 17 - For the second year in a row, REP announces a strong increase in sales and intends to proceed further with the developments initiated in 2014.

An outstanding year 2014

During the past financial year, REP registered strong growth in sales and has made many investments. Industrial developments were carried out, with the launch of production units in India (RPE India) and China (URP Machinery) and of new machines especially designed to better match emerging market requirements. Efforts will be pursued in 2015 towards these countries, while continuing the development of the G10 range of rubber injection molding machines which is the focus segment of the REP brand on western markets.

The figures confirm that REP presses are mainly used for producing anti-vibration systems and sealing applications, this sector alone registering a 34% increase in sales which partly explains this year's very good results. Also noteworthy is the increasing demand for two-component presses which contributed to an exclusivity by REP: **the dual-compound CMS**.

A multistation bi-material injection molding press

The dual-compound CMS machine is an injection molding press with 4 rotating stations and 2 injection units allowing for the synchronous curing, stripping, and injection of 2 compounds in the same mold: that's productivity, versatility and flexibility!

Equipping an injection molding machine with a second injection unit has become customary to REP on all types of machines in all configurations since the G7 generation: injection from the top or the bottom, the back or the side, etc., REP can respond to customers' most complex requirements

The user's objective is to produce parts integrating several compounds of various characteristics. The goal consists in combining technical performances at optimized costs: elimination of assembly operations and integration of a low-cost compound into a part, thus limiting the quantity of noble compound to the functional part only.

The production of this dual-compound part may be performed using:

- Two sequential injections into two complementary cavities,
- Simultaneous injection into two different cavities or in two separate part cavities,
- Simultaneous (or offset) injection into one single cavity.

It is either possible to directly inject into the mold or through a special cold runner block (CRB) integrating several compound circuits. The dual-compound injection principle can be adapted to all injection presses, regardless of the size of the closing units and of the injection units.

Increased productivity and flexibility

By equipping the CMS for the first time with a second injection unit REP grants their customers optimized productivity and maximum flexibility. First of all, a CMS press - thanks to its four molds - allows for a much higher hourly production, which means a gain in productivity of 50 to 100%, than a single-station press of 400 tons.

Regarding flexibility, the CMS is characterized by the quick mold change (10 minutes for the 4 molds), the possible deselection of one mold, the programming of different injection volumes and the adaptation of the stripping station to various kinematics. The dual-compound CMS press is not only dedicated to dual-compound injection: users can switch from simultaneous injection to sequential injection, or only use an injection unit if required!

An exclusive know-how

The CMS allows for enhanced productivity by limiting the number of cavities per mold, thus leading to a better control of the flow inside the cavity. As a multi-station and multi-injection machine, the CMS concentrates REP's exclusive know-how.

In the first half of 2015, REP international will be present at the following fairs and shows: Tires & Rubber in Moscow, Elmia Polymer in Sweden, Plast 2015 in Milan and DKT/IRC in Nuremberg.

More information:

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Modular dual-compound CMS machine with 4 rotating stations allowing for the injection of one single compound or 2 compounds simultaneously