PRESSE

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ROCTOOL, RAPID COMPOSITE MOLDING BY INDUCTION SPECIALISTS, IS NOW IN PLASTIC INJECTION

PUSHING THE PLASTIC INJECTION LIMITS

RocTool markets its molding process by induction «Cage System®» adapted for plastic injection. *"The « Cage System® », which allows heating and cooling the mold within seconds, opens considerable prospects for the plastics industry :* ***what was unthinkable in plastic injection is now a reality using this new procedure****",* declares Alex Guichard, CEO of RocTool. Indeed, RocTool's innovative technology, which the R&D team has been working on since 2004, allows the production of **very thin parts**, **non visible welding lines, a reduction of pressures** (in the first tests, our clients noted a drop in pressures of 30 to 50 %), **to inject materials that were uninjectable and to improve the parts rheology** (hot granules arrive on a hot surface, which facilitates the flow)...
« *We thought of launching the marketing of this new procedure as of 2010, however these recent advanced techniques allow us to propose it as of today* », explains Alex Guichard.

MANUFACTURING THIN PARTS

Industrials search solutions which optimize raw materials and performances. With a high demand for raw materials, continual price increases, ecological questions are crucial as are the weight of the parts, particularly in the automobile industry. **To have the technology that makes it possible to reduce the thickness of parts changes the state of plastic industry.** ***« We have recently made a 1mm thin prototype using a material which is normally difficult to reduce beyond 2.5mm*** », continues Alex Guichard.

ELIMINATING WELDING LINES

« *With the parts we have produced, the welding lines have been eliminated and* ***the quality of the surface is of no comparison »,*** indicates Alex Guichard. With regards to the "steam" technology, the only competitive technology, **the energy consumptions have been reduced by 60%** and there are no CO^2 emissions. **The temperature remains constant over the entire part** and the threshold of 130°C (which steam cannot pass) is largely crossed: « ***RocTool has produced parts by injection from 130°C to 350°C!*** **»** announces Alex Guichard. The « Cage System® » adapted for injection becomes an alternative for the production of **automobile parts (panel work and interior), TV & computer accessories, telephones, and all other parts where surface quality is essential.**

ROCTOOL, RAPID COMPOSITE MOLDING BY INDUCTION SPECIALISTS

The « **Cage System®** », patented by RocTool in 2004, is the only process in the world capable of **heating and cooling the mold surface and only the mold surface, practically instantly**. The company has sold ten licenses of this technology since its creation. «***RocTool's arrival into the field of plastic injection is a very important step for the company****, which has been exclusively orientated towards the composites market until now. There are considerable stakes, since* ***the plastic injection market is about 20 times larger than that of composites*** », indicates Alex Guichard. « *We are currently having discussions with European partners to install a demonstration Pilot* ».

« *Prototype part ©RocTool* » . More pictures are available with Apocope.

For more information: www.roctool.com

More about RocTool

Since its creation in 2000, RocTool develops innovative processes for rapid material molding. Winner on two occasions of the JEC Composites Awards, the company has sold ten patented licenses of its induction heating technology, the Cage System®, predominantly for Composite applications of medium to large series. In 2007 RocTool realized sales figures of 1.03 M€, 90% of which is international. Branching into plastic injection, RocTool envisages a strong growth within this activity. RocTool has been introduced onto the Stock Market at the beginning of 2008, on "Nyse Euronext Marché Libre" in Paris. It's headquarters and R&D centre are situated at Savoie Technolac in Le Bourget du Lac (France) and two offices are fitted in Atlanta (USA) and in Tokyo (JAPAN).

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