MuCell Processes
TREXEL INC.

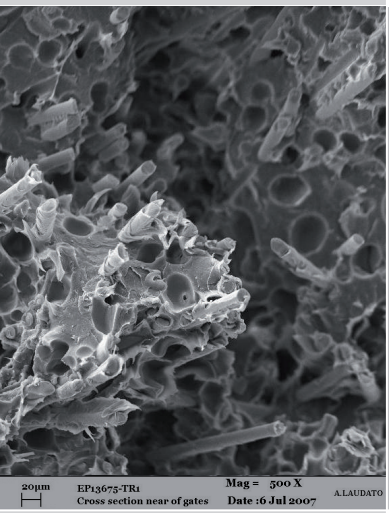
Hrsflow and Trexcel Cooperation

The technical knowledge that **HRSflow**, division of Inglass S.r.l, has acquired over 20 years in the tooling sector is the main base of our optimization of synergies in technical expertise, process and molding know how.
Now **HRSflow** R&D Dept. in cooperation with **Trexcel** team engineers can help customers to develop any application and excellence they may have in mind using **Mucell** Technology.
Since April 2007 **HRSflow** disposes in its R&D center of a 800 tons molding machine equipped with **MuCell** system at customer disposal for research tests and tryouts.

MuCell technology is a process consisting in the injection of a gas into the fused polymer, which in its turn expands itself providing the hereunder advantages.

- Significant weight savings (8-15% density reduction and additional weight saving through new design options).
- Reduction of inner cavity pressure and clamp tonnage (30-50%)
- Reduction of material viscosity
- Reduction or elimination of hold time
- Significant reduction in process temperature
- Reduction of overall cycle time
- Eliminates sink marks in the end product

Thanks to this investment **HRSflow** can provide to its customer hot runner systems dedicated to this technology with improved performance and tested reliability.



Should furthermore a customer be interested to investigate which benefits/advantages/risks could have by producing a component using **MuCell** technology, our R&D Centre located in San Polo di Piave (TV) and its dedicated process engineers are available for carrying out any test setting at its disposal the complete needed equipment.
Customer does not need to schedule in this way a run out of production on its internal molding machine for this kind of investigation.
Stopping production run is indeed a key factor that usually restrains to proceed with R&D tests on a regular basis.
In cooperation with **Trexcel HRSflow** investigates the best solution to realize cost effective products keeping the highest quality.

INglass™
FLOW HRS™

A transparent vision

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