



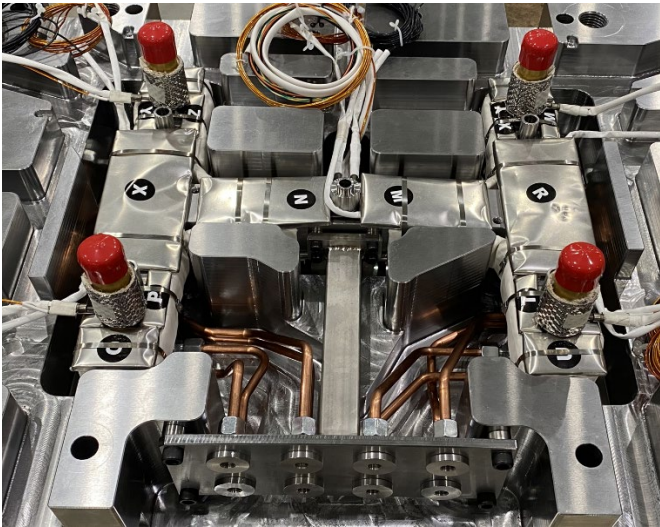
For immediate release

DME Introduces iControl™ Hot Runner Insulation

New technology aids reduction in cycle time and improvement in part quality by minimizing Hot Runner System thermal variation.

MADISON HEIGHTS, Michigan, January 26th, 2022 – DME, a mold technology leader, today announced the release of a new hot runner insulation product iCONTROL™ Hot Runner Insulation.

DME, a global leader in mold technology solutions, and Singh Thermal Systems (STS), have agreed to a global distribution agreement. DME will market and sell STS's new hot runner insulation technology under the DME trademark iCONTROL™ worldwide on an exclusive basis. The STS technology has proprietary insulation with the ideal form factor to insulate the hot runner system with consistent thermal performance through repeated thermal cycling. This proprietary technology eliminates cold spots in the hot runner allowing the molder to run at the lower end of the resin's processing temperature.



(Photo: courtesy of Singh Thermal Systems)

Even premium hot runner systems have double digit thermal variation that requires molders to set temperatures higher than preferred, which leads to a longer than desired cool time in the process. Higher set temperatures can also lead to quality defects and accelerated polymer degradation that shows up commonly as splay, delamination, dimensional stability and other common quality challenges.

iCONTROL™ offers custom designed and fabricated insulation systems which may reduce thermal variation to single digits, giving advanced process control that may improve part quality, reduce cycle times or both.



Advantages of utilizing iCONTROL™ Hot Runner Insulation:

Economic

- Lower processing costs
- Increase parts per hour for improved utilization of both people and equipment
- Savings on energy

Quality

- Reduce polymer degradation
- Minimize color shift for optical components
- Cooler part increases dimensional stability
- Reduce defects associated with thermal imbalance such as splay, blush and delamination

Additional Information

Product site: www.dme.net/iControl-press

Company website: www.DME.net

For more information or to schedule an interview contact:

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About DME: For over seven decades, *DME* has been a mold technologies leader. Our catalog remains the industry's broadest, our products the benchmark of high quality. We continue to provide customers with knowledge, expertise and service that can't be matched.