

FOR IMMEDIATE RELEASE

November 10, 2006

28% reduction in cycle time using RiTemp™ mold cooling technology demonstrated on electrical part application

Toronto, Canada- SWM & Associates announced today that RiTemp mold cooling technology is quickly gaining recognition and acceptance in the North American market as in field application data is now being made available. As RiTemp's exclusive representative in North America, SWM & Associates have been working within the plastics industry to share and educate the gains realized with RiTemp and their other technology partner solutions.

Scott Molnar, SWM president stated, "The RiTemp solution does not offer incremental advances; these are **significant productivity gains** that are impacting decisions to keep business here; business that would have been moved offshore. We've all seen the erosion in margin and number of projects staying in North America. We've also witnessed some segments of the industry slow to embrace change. RiTemp clearly demonstrates how, in real application terms, companies can leverage technology and maintain a healthy business margin."

As mold makers and processors are exposed to this revolutionary technology, they are quick to see the benefits and are now integrating the RiTemp solution into their designs and process.

Electrical Part Application Data

In this particular application, the challenges presented were multi faceted. The end user had a requirement for increased part production to meet market demand, sustainable part quality over several million shots annually and reduced costs. The existing 2 cavity production mold produced a 15 gram electrical box with a 1.5 mm critical wall thickness dimension running Noryl material. The cycle time was 18 seconds.

RiTemp was used in the design and manufacture of a new 4 cavity production tool running the identical part. **The result: The 4 cavity tool runs 13 second cycle time** and has produced 7 million parts without fail to date. Further to this, RiTemp exceeded expectations in that the new tool **can actually run at a 10 second** cycle time but is currently limited by downstream handling equipment.

Molnar continued, "This is just one application demonstrating how RiTemp is positively impacting the competitive business of plastics. We have several projects in development with applications ranging from packaging through to medical; all for domestic production. As these projects roll out, we will continue to demonstrate the specific advantages with specific applications relevant to the market."

RiTemp mold cooling technology

RiTemp, a patented technology developed and tested over 30 years, simplifies the design and manufacturing requirements of mold cooling by replacing gun drilled water lines with a "cooling chamber" or water pocket that completely envelops mold cooling surfaces. The water chamber ensures even heat distribution without the engineering compromise often limited by gun drilling. Using heat exchangers, water is condensed and recycled throughout the chamber. Air is removed prior to production eliminating any corrosion issues. Water and or coolant flow is controlled by a RiTemp mold temperature control that senses and adjusts flow to regulate heat levels. The results range from lower operational and design/manufacturing costs to significant productivity gains.



Pictured- New 4 cavity tool designed with RiTemp™ mold cooling technology produces these 15 gram Electrical box housings at 13 sec cycle; a 28% reduction.

Press Contacts

SWM & Associates

Scott Molnar

email: scott.molnar@swm-associates.com

cell: 416.786.2663

www.swm-associates.com

TecMarGroup

Wayne Stoddard

email: wayne@tecmargroup.com

office: 905. 873. 6461

cell: 416. 416.319.1756

www.tecmargroup.com

About SWM and Associates

Founded in 2005, SWM and Associates provide companies with complete optimized processing solutions through “best in class” technology partners that can reduce costs and increase margin through efficiencies gained in engineering, manufacturing and processing.

Company founder and President Scott Molnar has a background in strategic sales and new business development with a Bachelor of Engineering and MBA degree. Mark Nagy, business partner has a background in engineering, tool design and mold making with extensive experience in process operations and is currently completing his Bachelors degree in Mechanical Engineering. Their associates provide relevant experience in the areas of sales, applications, engineering, tooling, automation, process improvement and strategic marketing.