



<http://www.sme-toronto-26.org/>



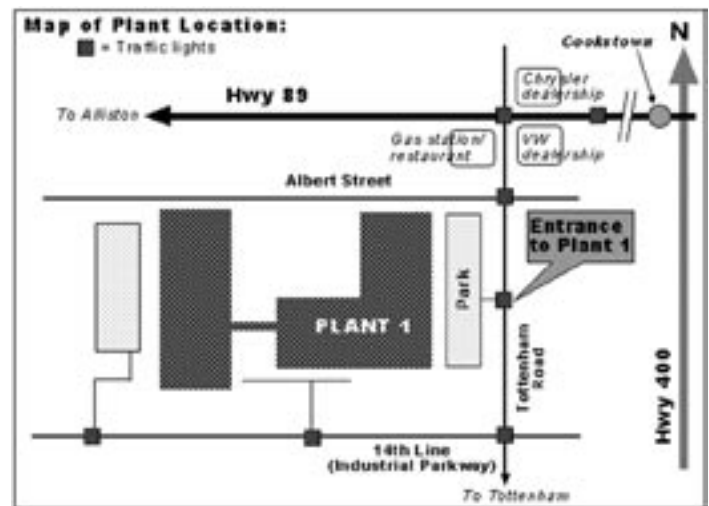
TOUR: Honda of Canada Mfg.(HCM) Alliston, Ontario

Thursday March 25, 2004, 12:15 pm - sharp!

Limit: 45 people. Sign-up required by March 19.

The tours take place while the plant is in operation. It is essential that all tour guests wear the personal protective equipment provided, and that they follow the instructions of the tour guides or other Honda Associates at all times.

1. Your visit will last about 1.5 hours including opening comments and questions and answers. The walking portion of the tour is about 45 minutes in duration, includes stairs and is not wheel chair accessible.
2. Safety glasses will be provided. No high heels, open toed or open heeled footwear. No shorts.
3. Guests must be 12 years of age or older.
4. Cameras, video-cameras, cell phones, pagers, diskmen or other electronic devices are NOT permitted in the plant. Guests bringing these items will be asked to leave them at Security.
5. No food or beverages of any kind are allowed in the lobby or on the tour. Vending machines and cafeteria services are not available for guests.
6. Solicitations of any nature are not allowed.
7. Smoking is not permitted within the building by tour guests.
8. Groups are limited to a maximum of 30 guests total, for safety reasons.



Directions: Take Hwy 400 to Hwy 89 West. Drive through Cookstown towards Alliston on 89 (approx. 18 kms). Turn left at Tottenham Road. Drive straight through the next intersection (Albert St.). The HCM Plant 1 is on the right.

On arrival, stop at the Security kiosk and explain you are here to see Lisa Timpf for the SME tour. Security will direct you to visitor parking.

No high heels, open toed or open heeled footwear. No shorts.

Cameras and video cameras are not permitted inside the plant

Please sign up with Loris Giuricich by Friday, March 19, 2004. 416-448-2225 or e-mail to Lgiurici@celestica.com \$10 for members (CMTDMF -Canadian Machine Tool, Die

& Mold Federation- included), \$15 for non-members, student members \$5.

Priority for tour sign-up is: members, student members, and non-members, in that order.

IMPORTANT ANNOUNCEMENT RE BULLETIN

Dear Chapter 26 Members,

One of our major initiatives this year is to tackle the problem of the ever increasing costs to print and mail our Chapter Bulletin.

With this in mind, we are planning distribution of our Bulletin by email. Since this is new for us as well as for you, we would welcome your input. Initially we will send the Bulletin as a pdf attachment to an email message. We realize that some people have virus protection software that automatically deletes all attachments. Would it be more convenient for you to receive an email notice giving a web

address where the Bulletin will be available for download at your convenience? Please let us know your wishes.

This month we are using both our regular mailing method (postal) and email to those whose email addresses we have.

If you DO NOT wish to receive the Bulletin by email, please call me at 416-535-1593 or send email to me at snguyen_2050@hotmail.com.

Warm regards,

Son Nguyen

Chair, SME Chapter 26 Toronto

REMAINING THIS SEASON: Topics & Schedule 2003-2004

Thursday April 22: Dofasco Talk. Joint meeting with PMA**

Thursday May 20: TBA.

* CMTDMF = Canadian Machine Tool, Die & Mould Federation **PMA = Precision Metal Forming Association

Upcoming Executive Meetings

EXECUTIVE MEETINGS 2004 6:30 pm start:

LOCATION: George Brown College, room E244 For additional information on the next meeting phone 416-535-1593, or snguyen_2050@hotmail.com

Wednesday March 3

Wednesday April 7

Wednesday May 5

Wednesday June 2

Bulletin Copy Deadlines

NOTE: Send material to Jenny Ono Suttaby at jono@jentekcompany.com by the following dates for inclusion in the upcoming Chapter Bulletin:

April issue: by March 15

May issue: by April 15

Non-members can subscribe:

Price: \$2.50 Cdn. (included in the price of membership)
Annual subscription to this Bulletin \$20 (8 issues) SME Membership \$85 USD available at: www.sme.org or 313-271-1500

Your Company flyer - Enclosure Special Offer!!

Chapter 26 is offering companies the opportunity to enclose their company flyer in our monthly Bulletin mailing. We have a special offer for the coming year. Enclosure in

one issue:	\$300
four issues:	\$1000
eight issues	\$1800

We mail Bulletins 8 times a year (Sept., Oct, Nov, Dec/Jan, Feb, Mar, April, May) to nearly 500 manufacturing professionals in the GTA. For more information please get in touch with Ken Kogej, 416-274-2540 or Ken-dante.msn@atcanada.net

The piece to be included must meet the following criteria:

- 500 folded flyers ready for stuffing into a #10 envelope supplied by 1 week after copy deadline.
- Is of interest to our membership - is manufacturing oriented (we don't want life insurance or travel brochures)
- Weighs less than 3 sheets of 8.5 x 11 in 20 lb bond paper. Larger items could be negotiated.
- We reserve the right to reject pieces we do not feel to be consistent with our professional goals and objectives.
- We reserve the right to change any of the above items without prior notice.

The SME Chapter 26 Bulletin

The SME Chapter 26 Bulletin is published eight or nine times a season by the Toronto Chapter of the Society of Manufacturing Engineers (SME). The SME provides support for people and industries in manufacturing by providing opportunities for networking, professional development and technical information. Headquarters of this 70 year old professional society are in Dearborn, Michigan. For more information or to join, phone or email the Chapter Chair, Son Nguyen, at 416-535-1593 snguyen_2050@hotmail.com or Headquarters at 1-800-733-4763. Talks and tours put on by the Chapter are listed on the Chapter web site at www.sme-toronto-26.org Headquarters web site is at www.sme.org

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Our continuing thanks to Professor Mark Fox, U of T, for hosting the Chapter's web site on his server at <http://www.novator.com>

Mold-Masters Limited Tour - Hot runner manufacturer

Plastic Injection Molds today are used to produce much of the world's goods from car parts to computer components to the pen on your desk. The "Runner" conducts the plastic from the injection machine to the mold. The first runners were cold runners - just holes in a block of metal or often just channels in the mold itself. Hot runner systems were devised to increase the efficiency of those molds. A hot runner bolts on to a conventional injection machine between the machine and the mold. The modern Hot Runner has computer controlled heaters built into it to ensure the optimum temperature of the plastic. Too hot and the plastic is scorched. Too cold and you get half filled parts with cold welds.

Hot runner technology is very efficient. By using hot runner technology you can eliminate the wasted material of a cold runner that has to be removed after molding, increase the number of cavities in a mold and decrease the amount of trimming after it has been molded. This means hot runner systems can run much faster with higher quality. With a slight increase in mold costs you get more parts that are of better quality with less waste. It is generally used for high speed large quantity production. At the January 2004 meet-

ing, SME members toured Mold-Masters' modern and high production facility. Mold-Masters protects their innovation with a large number of patents on their heaters, geometry, injectors, temperature measurement, and controllers.

Mark Nagy of Mold Masters said: "Mold-Masters Limited, after celebrating 40 years of innovation in 2003, will be moving forward with plans to build a new state of the art manufacturing facility in 2005 after agreement to accelerate development plans were reached in January, 2004. The company has invested heavily in research and development with more than 1,600 granted and pending international patents. Mold-Masters designs and manufactures the industry's most advanced hot runner systems, temperature controllers and complete hot half solutions. Their support network spans over 40 countries, with facilities in North America, South America, Europe and the Pacific Rim with over 900 employees."

The Mold Masters web site is www.moldmasters.com

*Rick Marmeï - Mold Designer
Secretary, Toronto 26
rmarmeï@axis-design.org*

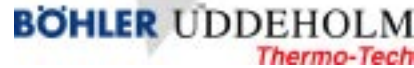
NB: Please! Update your information

Please check that your information in the SME headquarters database is correct or renew your membership online!

Phone toll free: 1-800-733-4763 or log on to the Website: www.sme.org/

Many Thanks to our *BULLETIN PUBLICATION* and *WEB SITE*

SPONSORS:



Information and links at: www.sme-toronto-26.org/

Our Newest Sponsor: Bohler-Uddeholm Thermo-Tech

Bohler-Uddeholm Thermo-Tech, located in Mississauga, Ontario, has a state of the art - full service vacuum heat treatment facility that offers a wide range of services. They have the equipment, expertise and supporting technical service to help you or your customer get the very best in tool performance.

Geared toward serving tool, die, mold, and specialty automotive component businesses, Thermo-Tech, operates 2 and 5 bar furnaces along with atmosphere and Vacuum Tempering furnaces, a Nu-Bit Cryogenics unit and offers the THERMONITE surface enhancement (Ferritic Nitro-carburizing) process. In addition, Thermo-Tech has a 10 bar Abar-Ipsen furnace. The company operates a Metallurgical Laboratory, staffed with degreed metallurgists capable of providing certification and technical support along with tooling related application recommendations. Thermo-Tech is certified to both ISO 9002, and QS-9000 standards, with TS-16949 certification pending.

In recent news...Thermo-Tech announced the approval by General Motors as a Provisional Heat Treatment Source for Premium Grade H13 die steel and other die materials. In compliance with General Motors's Die Insert Material and Heat Treatment Specification, DC 9999-1. Thermo-Tech has met the stringent equipment, heat treatment, processing and laboratory guidelines established by the specification. As part of the requirements for compliance, a 16 inch cube of Premium Grade H13 certified to the DC-9999-1 material specification, was heat treated, and tested by an inde-

pendent laboratory to meet a minimum impact toughness, "Charpy V" of 80% of the initial capability test results. As a result of successfully meeting the requirements, Thermo-Tech is now permitted to heat treat die cast die inserts for GM's tool sources.

Thermo-Tech is part of the overall Bohler-Uddeholm Heat Treatment Alliance in North America. The Heat Treatment Alliance allows Bohler-Uddeholm to supply the highest quality steel and assurance to customers that the best heat treatment practices are being utilized to enhance the characteristics of their products. Thermo-Tech's recognition as a Heat Treatment Source for General Motors further strengthens the position of the alliance, in which four of the current partners are approved, either provisionally or fully. For details on General Motors Heat Treatment Sources contact Thermo-Tech at 800-665-8335 or visit its website at <http://www.buthermotech.com>.

CONTACT INFORMATION:

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2645 Meadowvale Blvd.

Mississauga, Ontario L5N 7Y4

Toll free: 1-800-665-8335

Phone: 905-812-9370

Fax: 905-812-9231

The Chapter wishes to thank Bohler-Uddeholm Thermo-Tech for supporting our efforts to provide educational opportunities at both the student and professional levels.

Joseph R. Benedetto Scholarship

The Application Form for the Joseph R. Benedetto Scholarship is available on the chapter web site at www.sme-toronto-26.org. Students: we invite you to apply.