

# SOCIETY of MANUFACTURING ENGINEERS

## TORONTO CHAPTER 26

### DECEMBER/JANUARY 2001-02



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



## *Talk: Tooling for High Speed Machining*

*Speaker: Tom Walton, Tyson Tool Company Limited*

*Wednesday January 9, 2002, 6:00 PM*

*Joint meeting with the Canadian Mold Makers Association.*

*Light Refreshments at 5:30, Dinner 6:00 pm, Talk at 7:00 pm*  
*Giorgio D Ristorante, 4377 Steeles Ave West, Downsview, ON, 416 661-8989*

*[www.giorgiod.com/giorgio/main.html](http://www.giorgiod.com/giorgio/main.html)*

**Company:** Tyson Tool Company Limited has provided high end tooling to the metal working industry for over twenty years. In 1998, Tyson Tool's commitment to quality earned this company ISO 9002 certification. Quality lines represented include: Widia GmbH of Germany (Carbide Indexable Tooling), D'Andrea S.p.a. of Italy (Precision Boring and Modular Tooling), Tapmatic U.S.A. (Non Reversing and Reversing Tapping Attachments), and P. Horn GmbH of Germany (Specializing in Carbide Tooling and Grooving).

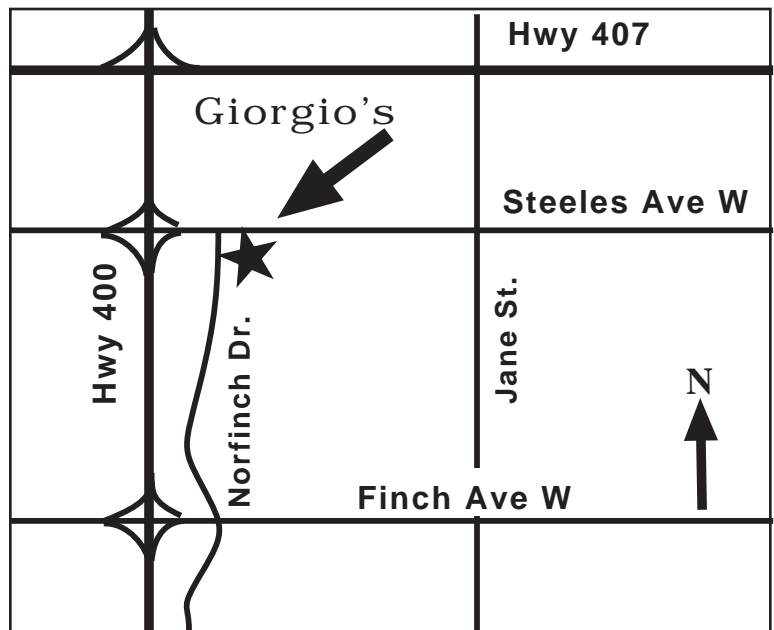
Tyson Tool has always taken great strides to best serve the metal working industry, and in so doing, established a manufacturing facility in 1997. This additional ISO 9002 registered company exclusively produces indexable insert milling cutters.

**Speaker:** Tom's involvement in manufacturing has spanned over twenty-five years, with experience in Tool and Die Making, Press Tool Design, Mould Design, Manufacturing Engineering, and Project Management. Tom is currently the Product Manager for Tyson Tool Company Limited.

Tyson Tool Company Limited, 75 Ormont Drive, Weston, Ontario, M9L 2S3. Tel: 416-746-3688, Fax: 416-746-5415, E-mail: [sales@tysonstool.com](mailto:sales@tysonstool.com). <http://www.tysonstool.com/>

Register today for this event with Loris Giuricich 416-448-2225, [Lgiurici@celestica.com](mailto:Lgiurici@celestica.com) or Ken Kogej 416-402-3146, [ken-dante@msn.com](mailto:ken-dante@msn.com)

*\$25 for members, \$30 for non-members and \$20 for students*



### *5-Axis High Speed Machining Demo & On Site Training*

This special session is to be held throughout the day on January 31 in Windsor, Ontario, and is organized by the Canadian Moldmakers Association. For further information please contact Louis Papp at 519-969-4977 or Patricia Papp at [cdnmolds@mnsi.net](mailto:cdnmolds@mnsi.net)

**Our theme for the year: FUTURE GROWTH AREAS IN MANUFACTURING**

## *We are seeking:*

NOMINATIONS for next (2002) year's executive. Please get in touch with Joe Benedetto, with your nominations, 416-267-2102 or jrbene@attglobal.net

PROGRAM/TALK/TOUR SUGGESTIONS. We want to offer talks and tours of interest to our members. If you have a suggestion please get in touch with George Heintzman, 416-467-8298 or gheintzman@sympatico.ca

## *Your Company Flyer Bulletin Enclosure Opportunity*

Chapter 26 is offering companies the opportunity to enclose their company flyer in our monthly Bulletin mailing. 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 20lb 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. Our mailing list is currently over 400 manufacturing professionals. The current price is \$300 per issue. We reserve the right to change any of the above items without prior notice. For more information please get in touch with George Heintzman, 416-467-8298 or gheintzman@sympatico.ca

## *Note: The Joseph R. Benedetto Scholarship*

The Application Form for the Joseph R. Benedetto Scholarship is now available on the chapter web site at [www.sme-toronto-26.org](http://www.sme-toronto-26.org).

## *Region 4 Annual Meeting and Chapter Officer Training*

Chapter 26 sent two of its upcoming members, Paul Ellis, Secretary, and John Camarda, Ryerson Student Chapter, to this annual event. Held this year on the campus of the Rochester Institute of Technology, the meeting gave an opportunity for SME members from all of Region 4 (Niagara, St. Lawrence, and New York) to meet and discuss chapter and region issues, and to participate in Officer Training sessions.

You will find a full report on this meeting on our web site. at [www.sme-toronto-26.org/](http://www.sme-toronto-26.org/)

## *THIS SEASON: Topics & Schedule*

### **2002**

4. Wednesday, January 9. Talk, Tooling for High Speed Machining
5. Wednesday, February 6. Talk, High Speed Machining, Elliott Matsuura Canada Inc
6. Wednesday, March 6. Tour, Honda through their Car plant in Alliston. 6:30. PM . Limit: 30 people.
7. Wednesday, April 3. Talk, Stephen Armstrong, AMGI Management Consultants Inc.
8. Wednesday, May 1. Tour TBA
9. Wednesday, June 5. RP Overview and Update Panel

## *Bulletin Copy Deadlines*

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

February Issue: January 10, 2002  
March Issue: February 10  
April Issue: March 10  
May Issue: April 7  
June Issue: May 7

The December/January issues will be combined since there is no December meeting this year.

## *Executive Meetings*

### **EXECUTIVE MEETINGS 6:30 pm START: 2002**

Thursday, January 31, 115 Brookside Ave  
Thursday, February 28  
Thursday, March 21  
Thursday, April 11 EXECUTIVE PLANNING MEETING, 28 Kildeer  
Thursday, April 25  
Thursday, May 30  
Thursday, June 13

For additional information on the next meeting phone 416-467-8298 or e-mail: [ghaintzman@sympatico.ca](mailto:ghaintzman@sympatico.ca) or [Ken-Dante@msn.com](mailto:Ken-Dante@msn.com).

## *PROGRAM COMMITTEE*

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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 <a href="http://www.novator.cm">http://www.novator.cm</a>				

## Manufacturing is Changing

Now its official. You have been reading in this publication for two years some of the ways that manufacturing is changing. Now this is the last article I will author as your chair.

Now the new age of dramatic change is official. There is a saying that when a trend makes its way to a major article in a major magazine it is old news. Guest columnist Peter Drucker in a very interesting 20 page article in the November 3rd Economist ([www.theeconomist.com](http://www.theeconomist.com)) titled "The Next Society". He outlines some of the changes he sees.

One trend is that higher productivity will lead to lots of goods produced by fewer people. We already have a surplus of car production capacity. Just as Agriculture dropped from 80% of employment 200 years ago to 19% after the war to 4% in 1990 to 2.87% in 1989 in Canada, he expects manufacturing to have a similar decline to about 12% in 10 years. He also forecasts that, like agriculture, there will be political pressure to protect the industry. He expects, like agriculture, those sectors that receive the most protection will have the worst performance. See the original article.

In a section titled "Will the corporation survive" Mr. Drucker highlights some of the pressures on corporations and what will happen to them if they do not adapt. A 3 minute telephone call from New York to London in 1930 at 1990 dollars was over \$250 and today it is less than a dollar. Cardboard, plastic and aluminum compete in the soft drink container market with glass. But glass is replacing copper in telephone cables.

But the biggest pressure is relentlessly increasing productivity. This is what will allow us to produce more goods than we can use with only 12% of the labour force. Mr. Drucker stresses that the successful organization will continuously improve everything all

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of the time (Kaizan). He also points out that Japan will face the biggest restructuring challenge in both agriculture and manufacturing.

Another theme that Mr. Drucker emphasizes is that large corporations may no longer be necessary or even viable. Large corporations should understand what business they are in and base their optimum size on that reason. He points out that Ronald Coase received a Nobel prize in economics for pointing out that transactional costs between companies were high and therefore integrated companies would have an economic advantage. John D. Rockefeller put exploration, development, production, distribution, and retailing in one organization. Henry Ford had a similar organization. It was based on 2 assumptions. The fact that people didn't understand business and if you hire them and train them into a culture that was homogeneous you could save money and speed. Secondly communications were expensive. This lasted for a century. Now it's relatively cheap to hire people who understand business. And communications costs have plummeted. Ford became too large and unmanageable and fell apart in the 70's.

So what will the new corporation look like? If they are knowledge based then people will be important and you will have to be nice to them to keep them. Small companies that don't change and stay with the same product or service will be under increasing cost pressure. Large corporations will have to plan to change constantly and continually ask themselves what business they are really in. Many companies according to Mr. Drucker will belong to loose and evolving confederations. Much information for management came from inside the

see *Changing* - continued on page 4

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## ZENON Environmental Plant Tour

## NB: Please - Update Your Information

Wednesday November 14, 2001.

This was an excellent tour. Their product is a product for our times. Over 5 million people die every year as a result of bad water. According to the Globe and Mail on Tuesday November 13 since Walkerton there have been 246 boil water advisories in Ontario, 250 in Newfoundland, and 220 in British Columbia. Zenon concentrates on 3 areas: providing drinking water, processing sewage, and alleviating water shortages by recycling water. The plant gets its water from a well and reuses it 3 or 4 times before returning it to the environment.

Collingwood had a problem a few years ago and installed one of their units. They now have such good water they sell it. Last year they made a million dollar profit on selling water. They are even thinking of selling bottled water. How to turn a disaster into a success.

I was particularly impressed by the ways in which Zenon keeps their employees focussed on water, customers and customer value. This included using their own systems to process their water, mission statements on the walls, charts of customer satisfaction prominently displayed and the naming of rooms after customers complete with relevant photographs.

Our focus for the year is "Where are the manufacturing jobs." One part of this is new opportunities in infrastructure breakdown. Well Zenon is hiring. They are building a new plant to make a consumer version of their water treatment system. Their order book is full for next year. No wonder their stock has done well during the current down turn.

Thank you Zenon for an excellent tour.

*George Heintzman*  
[gheintzman@sympatico.ca](mailto:gheintzman@sympatico.ca)

### UPDATE YOUR INFORMATION

Please check that your information in the SME headquarters database is correct!

Phone (toll free): 1-800-733-4763

Website: <http://www.sme.org/>

You can renew your membership on line by clicking on "Renew Membership" in the Member Services section.

### Changing - continued from page 3

corporation in the past. This worked for big traditional corporations. As change speeds up the relevant information is outside the corporation - on the Internet.

Mr. Drucker says we are in the middle of the third industrial revolution. The first one was driven by the steam engine (later the internal combustion engine) and could be called the energy and mechanical automation revolution. The next one could be called the electrical and electronic automation revolution - everything got a control system. But the focus was still local; even with computers the distance was still measured in meters from operator to device. The current revolution is the information revolution. A revolution of thinking rather than doing.

How do we survive in this environment? Clearly education is key. Focus, as preached to us last year by Robert Hope, is key so that we can see what we need to see in the blizzard of information. Also we need a "Plan A", a plan for our own personal growth. Mr. Drucker says "The most effective way to manage change is to create it." He is right.

The role of SME is to keep you aware of what is happening; aware of the possible.

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