



**GOA REPORT  
GIFA FOUNDRY SHOW 2011  
June 28 – July 2, 2011  
Dusseldorf, Germany**

Mr. Leslie Payne, Executive Director of the Canadian Tooling & Machining Association (CTMA) and Mr. Herbert Deutschmann, owner of CTMA member company H. D. Patterns & Matchplates Ltd. (developer of ACM Rapid Molder™) attended the GIFA Foundry show in Dusseldorf, Germany that took place from June 28 to July 2, 2011.

Once again we were unable to reach our target of encouraging 2 association representatives and 3 member companies (1 from the die cast mould making sector) to attend this event due, in part, to the uncertainty of funding and the delay in being advised of the funding approval from GOA.

GIFA is the world's largest foundry tradeshow which is held every 4 years in the Messe Trade complex in Dusseldorf, Germany. The 2011 show had 4 technology sectors grouped together, GIFA Foundry-Metel, ThermProcess and Newcast Precision Castings and it is expected that it will do so again in 2015. Record levels of attendance were posted at this year's event with 1,958 exhibiting companies and over 79,000 visitors attending from 83 countries. The show utilised 10 exhibition halls, making this a very large show indeed.



*CTMA Executive Director, Les Payne at the GIFA Foundry Show 2011 in Dusseldorf, Germany*

Considering the global shift of manufacturing castings of all types to lower-cost countries, Germany remains the centre of engineering design, innovation design, and the major manufacturer of foundry machinery as well as the technology leader for the casting world.

As the inventor of the ACM Rapid Molder™, which is a flaskless sand casting moulding machine manufactured here in Canada, Mr. Deutschmann was able to benchmark his machine against the very best foundry equipment available in the world today. The foundry equipment manufacturers that were contacted at this show by Mr. Deutschmann, and discussions held during the show, will allow him to promote the capabilities and market his machine to a worldwide group of dedicated foundry equipment users. Mr. Deutschmann has recently received a North American patent on this equipment and has completed the trial stage of development.

A meeting with representatives of the German MF – Model & Mould Making Federal Association was held during the show at the booth of H. Zimmermann Modell Formenbau GmbH. Attending the meeting was Mr. Heinz-Josef Kemmerling, Managing Director of the association, and Directors Jorg Zimmermann, Ludwig Weiss and both Canadians. The German association announced that the 12th International meeting will be held in Munich, Germany from May 9-12, 2013. Germany has approximately 350 independent pattern shops (model & tool shops) within the membership of their association.

General Electric used this show to introduce a new X-Ray / CT machine for 3-dimensional testing of parts. Castings are more complex and the need for more complex testing to approve or reject parts being tested is urgent.

### **GIFA**

This section of the show included technical presentations that provided information on Global Trends – Current Developments in Casting Technology – Automation of Foundry Processes – Energy Saving possibilities – and Application Trends for Flaskless Moulding Machines. Visit [www.gifa.com](http://www.gifa.com) for more information.

### **METEC**

This section of the show had a sub-heading of METEC - InSteelCon 2011 and provided a large number of presentations as well as plant visits during the show. For more information visit [www.metec-insteelcon2011.com](http://www.metec-insteelcon2011.com).

### **THERMPROCESS**

This was the section for industrial furnace-builders focusing on heat-treating and hardening furnaces. The main focus of the THERMPROCESS Symposium was energy efficiency of thermal process plants, heating and burner technology, as well as efficient and low-emission gas heating. Visit [www.thermprocess.de](http://www.thermprocess.de) for more information.

### **NEWCAST FORUM**

This was the section for the precision casting or die castings and was the 4<sup>th</sup> such international meeting held under this title. Visit [www.newcast.de](http://www.newcast.de) for more information.

### **PLANT VISITS**

We visited an excellent pattern shop called Model-En, Matrijzenmakerij, Twente in Oldenzaal in The Netherlands that was provided by the owner Mr. Mirko Uitslag. They have an interesting workshop cooling process that uses underground water to keep their pattern shop and Cad/Cam division cool in the summer months. Visit [www.mmt.nl](http://www.mmt.nl) for more information.



Owner Mirko Uitslag (left) and Herb Deutschmann (right) at Model-En Matrijzenmakerij Twente

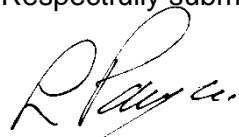
While in Germany we also visited both plants that are owned by Mr. Weiss in the city of Hennef which is approximately 90 km south of Dusseldorf. Mr Weiss was in Canada last year to attend the World Tooling Conference and also our Purchasing Fair which were both organised by the CTMA. He was seeking a North American partner for his unique automotive foam parts process and now has a Quebec partner. He owns a company called Dornbusch which is a third generation pattern/tool shop as well as Novo Tech in another location which is a hot die foam parts manufacturing company. For more information, visit [www.dornbusch-gmbh.de](http://www.dornbusch-gmbh.de) and [www.novotec-buchholz.de](http://www.novotec-buchholz.de)



### **SIDE VISIT**

A very interesting side trip to the Canadian monument at Vimy Ridge in France was most enjoyable and for the two European born Canadians that participated in this trip it was a very proud moment indeed.

Respectfully submitted,



Les Payne, Executive Director  
Canadian Tooling & Machining Association  
July 27, 2011