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**Getting the Most Out of Carbide
in Your
Stamping Applications**

Presented by Doug Brenneke from CERATIZIT USA

Location:	Date:	Schedule:
Madeira Restaurant 288 Warren Ave. East Providence, RI 02914	Tuesday, September 23, 2008	5:15 p.m. – Cocktails 6:15 p.m. – Dinner 7:00 p.m. – Presentation

Please join us for an informative presentation and discussion by Doug Brenneke, product manager, at CERATIZIT USA, Warren, MI. Doug is responsible for technical support and sales in North America. He has over 21 years experience in the carbide industry in the areas of manufacturing, engineering and sales.

This presentation will cover the following topics and more:

- Manufacturing Processes of Carbide
- Composition and Properties
- Microstructure and Grades for Tool & Die Industry
- Fracture Toughness and Metallurgical Examination
- Defects and defect Avoidance During W-EDM
- Application Areas for Universal and High-Performance Carbide Grades

Ceratizit is an \$850 million company with 13 manufacturing plants worldwide, and is a merged company of Cerametal and Plansee Tizit. Cerametal was founded in 1931 in Walferdange, Luxembourg, and Plansee Tizit was founded in 1921. The two companies worked independently until 1948 and then worked in cooperation with each other until 1962. They then split, until 2002, at which time they joined forces again to become one of the largest carbide companies in the world. The company has production plants in three main economic areas with a worldwide sales network of subsidiaries and distribution partners.

Through profound knowledge and highly flexible production facilities, CERATIZIT USA strives to provide business partners with direct competitive advantages in the field of hard materials for tooling solutions and wear parts. Its dedication to hard material matters creates intelligent solutions for tomorrow and time to come.

**Next Meeting: Die Forensics with Dayton Progress
Corp.- 10/21/08**

Register today! The form is located on the reverse side of this page.



Getting the Most Out of Carbide in Your Stamping Applications Registration Form

Cost: \$40 per member; \$50 per nonmember

Dear Rick,

Here is our reservation for the district meeting to be held on **Tuesday, September 23, 2008**. Our check for \$_____ is enclosed. (Please make checks payable to the **New England District of PMA** and mail to the address below.)

Company _____ Member Nonmember

Address _____

City _____ State _____ Zip _____

Primary Contact _____

Phone _____ Fax _____

E-mail _____

Please note: cancellations must be made 48 hours in advance to receive a refund.

Other Registrants: Name	Title	E-mail

Send registrations for this program to:

Rick Pezzullo
38 Dimond Avenue
Bristol, RI 02809

rickpezz@cox.net

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For more information about joining PMA, contact Marianne Sichi at 216-901-8800 or msichi@pma.org.