



INTERNATIONAL SAW AND KNIFE ASSOCIATION

Cutting Times

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Saw Hammering Seminar

The saw smithing seminar will be held on October 15th, 16th and 17th 2009. This very popular ISKA seminar will be hosted for the first time on the west coast by WESTERN SAW, 3200 CAMINO DEL SOL., OXNARD, CA 93030.

Our deeply comprehensive event is designed to furnish participants with an over-all understanding of hammering various saw blades. All levels of shop personnel including machine operators and supervisors will benefit from this instruction. Participants will become familiar with the diagnostic process and the corrections necessary to ensure the proper “running” of the saw blade. They will develop a systematic and effective approach to saw tensioning and flattening.

- Get a complete overview of hammering, its problems and solutions.
- Work “on the anvil” with experienced smithers guiding you along the way.
- Learn the meaning of such generally accepted terms as “dish”, “fast”, “open”, “leveling”, “benching”, and many more.
- Become familiar with the terminology and skills of the saw smith to help you communicate better within the shop.

DON'T MISS OUT! SIGN UP TODAY!!!!

Up Coming Events:

Grind Tec
September 17th & 18th
The Asheville
Civic Center
Asheville, NC

Winter Meeting
February 26, 2010
Crown Plaza Hotel—
River Walk
San Antonio, TX

Western Saw
Hammering Seminar
October 15th—17th
3200 Camino Del Sol
Oxnard, CA 93030

**Carolina Specialty
Tools**
April 29—May 1st
Icard, NC

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TECH TALK - Grindable PCD – What is it?

At the recent AWFS show in Las Vegas, there were many discussions concerning one of the vendors displaying a product known as “grindable PCD”. Speculation on how this product will impact markets and how effectively it will compete against standard PCD products and carbide cutting tools continued for the entire show. In order to better understand the potential implications of this material, we will need to re-examine the traditional roles of carbide tips and cutting tools, as well as standard PCD processing.

Natural diamond is created when carbon materials are exposed to extremely high pressures and temperatures such as those at the center of the earth. Synthetic diamond, the core component of PCD is produced when carbon catalysts are placed in high pressure, high temperature presses designed to simulate these same conditions. By controlling the pressures, temperatures and catalyst sizes, well defined crystal shapes and sizes can be produced.

The crystals are then combined in an assembly along with various other materials including a carbide disk. This assembly is placed back into a high pressure, high temperature environment which allows for the crystals to be bonded or sintered together to form a diamond matrix as illustrated in figure 1. In this illustration, you will notice some voids. These voids are areas where the

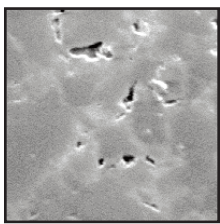
binder material has been removed. The light gray lines outline the various crystals that are bonded together. The crystal to crystal bonding adds a great deal of strength to the entire matrix when used in cutting applications.

Illustration 2 shows a simple comparison between carbide and PCD materials. The diamond is much harder and also costs more. The main advantage of PCD in most applications is greatly increased tool life. PCD, due to its increased hardness can not normally be ground successfully on grinders used for normal carbide processing. Other finishing techniques are used including grinders with very high machine rigidity.

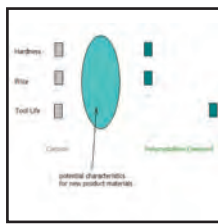
For many years, there have been discussions concerning the potential market for materials with characteristics that would be in the area where the oval is in this illustration. The concept is that if there would be a material somewhat harder than carbide, but not necessarily as hard as diamond, it could cost a little more, and as long as it was cost effective in terms of tool life, there would be market segment for it.

These “grindable PCD” materials are also created using increased pressure and temperatures. However, when compared to traditional PCD, the pressure the materials are exposed to or the time of this exposure is normally much lower. This reduced time or pressure result in less crystal to crystal bonding as shown in illustration 3. The reduced crystal to crystal bonding makes the material less hard than PCD and requires less rigidity when grinding.

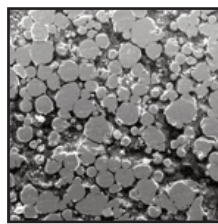
Written By: Scott Ries, Vollmer



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Annual Meeting and Reception

The ANNUAL MEETING was called to order at the New York, New York Hotel at 6:30pm Friday July 17, 2009 by President Mr. Larry D’Antonio.

The Secretary’s report was read by Steve Bergerson.
The treasurer’s report was read by John Mabee.

Larry D’Antonio announced the upcoming events:
The Hammering Seminar at Western Saw, A Table top display at Grind Tech and the Carolina Specialty Tool Seminar.

Larry D’Antonio turned the gavel over to the incoming President, Mike Lindsay and welcomed the new board:

Mike Lindsay – President
Larry D’Antonio – Past President, Convention Chair
Cheryl Rinicella – Vice President, Membership Chair and Newsletter

John Mabee – Treasurer
Steve Bergerson – Secretary
Monica Garris – Roster Chair
Fred Oleson – Education Chair

The meeting was then adjourned for the reception immediately following through the generosity of our sponsors: VOLLMER and SKARPAZ.



AWFS Show



AWFS Show



Board Business Brief

The meeting of the ISKA board of directors was called to order by President Larry D'Antonio (Bull Sharpening Services, Inc.) at 6:30 PM July 15, 2009 in Las Vegas, Nevada.

All directors were present.

Vice President...Mike Lindsay (Eastside Saw & Sales)

Secretary...Steve Bergerson (Western Saw, Inc.)

Treasurer/Past President, John Mabee (Quality Saw & Tool)

Education...Fred Oleson (Oleson Saw Technologies)

Roster...Monica Garris (Farris Belt & Saw Co.)

Membership/Newsletter...Cheryl Rinicella (Saw Systems, Inc)

Also attending:

Gary Miller (Pengar Tool)

Marianna Oleson (Oleson Saw Technology)

Jamie Garris (Farris Belt & Saw Co.)

Julie Lindsay (Eastside Saw & Sales)

Kirk Wethey (Ideal Saw Works)

Natalie Brillhart (Saw Systems, Inc) Previous president ISKA

Thanks to all who attended as your input is appreciated.

The minutes of the winter meeting held February 27, 2009 in Quintana Roo, Mexico were read and accepted as corrected. The financial report was read, accepted, and audited by the newly formed audit committee.

Convention chair Larry D'Antonio updated us on the room and transportation plans being made for the Western Saw hammering seminar. A discussion was held and approved about having a table top display at Grind Tec on September 17th and 18th of this year. The scheduling of the Board to hand out literature and answer questions will follow.

Fred Oleson informed us that all the arrangements are in place for the October hammering seminar. Together with Larry the next seminar (at Carolina Specialty Tool) plans were initiated. This is a tooling seminar tentatively scheduled in April 2010. The proposed fee will be \$75.00/person with a reduced rate of \$50.00/person for attendees from the same company.

Monica Garris announced the ROSTERS are here! Thanks to all the advertisers, especially for the new color ads which look great! If you have not received your copy, please contact Monica. The decision was made to charge \$20.00/ea. for

more than 2 books/company. New member solicitation pamphlets are also being priced at this time.

Cheryl Rinicella notified the group as of the completion of the 2009 ROSTER there are 162 members total (119 regular and 43 associate). New members welcomed since the last board meeting are: NAP GLADU, CITCO, Heinemann Saw, Double R Sharpening, American Carbide Saw, Specialty Saw, Inc. and Advanced Superabrasives. The economic downturn was the reason for 16 members to drop. A Used Equipment Column has been added to the newsletter CUTTING TIMES. If you would like to list an item for FREE, contact Cheryl @ crinicella@sawsystemsinc.com.

Tentative locations for winter meetings were discussed:

2110 San Antonio

2111 Palm Springs

2112 Orlando

2113 San Diego

2114 Hawaii

2115 Phoenix

The 2010 Board was elected and committee assignments were made. Plans were reviewed for the annual meeting and then adjourned.

Used Equipment Connection

Smithing Stands priced from \$6,495.00 to \$7,495.00
Please call Karl Schmidt 802-334-6365

MVM 33" Knife Grinder with variable Carriage speed. Model LX-8.5 Price: \$3,500
Please call Jim Fletcher 781-264-0209

Vollmer Cold Saw Sharpening Machine. Model CMS-10
Price \$3,500
Please call Jim Fletcher 781-264-0209

UT.MA Carbide Circular Saw Grinder, Top & Face. Fast triple chip in one pass. Model AL804 Price: \$17,000
Please call Jim Fletcher 781-264-0209

Akemat ATB Carbide Saw Grinder / Steel Reliever. JUST REBUILT!!! Model U 1984 Price: \$9,500
Please call Jim Fletcher 781-264-0209

Walter Carbide Saw Grinder. Model Woodtronic CNC5
Price: \$25,000
Please call Jim Fletcher 781-264-0209

*To List your used equipment Please
Fax Cheryl Rinicella @ 330-963-2985 or email
crinicella@sawsystemsinc.com*

The Following ISKA Members Exhibited in the AWFS Show

AA Carbide

Amana Tool Corporation

Colonial Saw Company

FS Tool Corporation

Great Lakes Custom Tool MFG., Inc.

H3D Tool Corp.

J. Schneeberger Corp.

Moon's Saw Shop Supplies Inc.

NAP GLADU

Onsrud Cutter

Peerless Company

Popular Machining & Tools, Inc.

Riverside Tool Corp.

Royce/AYR Cutting Tools Inc.

Skarpaz Tooling Systems, Inc.

Southeast Tool, Inc.

Tigra USA Inc.

Vollmer of America

Vortex Tool Co., Inc.



The Prez Sez...

Hello, I'm Mike Lindsay, the new President of ISKA. I have been an ISKA member since 2001 and I have served on the board for the past four years. I am fortunate to have followed Larry D'Antonio, who did an outstanding job as president the past two years. Larry left ISKA in good financial shape along with a great team to support me during my term.

Joining ISKA was one of the best decisions I made since purchasing Eastside Saw in 1997. I have made many new friends plus learned far more than possible on my own. Getting together with other shop owners and operators is refreshing, we can talk openly about employees, pricing, and new products, machinery, and all the other headaches we have managing a business.

Recently, here at Eastside Saw, we have been trying to help a potential customer who was having problems with his carbide blades while cutting heavy structural steel. This type of blade is something that I did not have much experience with so I wasn't quite sure what to do. It just so happened that I was attending the open house for Vollmer's 100th Anniversary and while there I was able to talk to other shop guys and I got all my questions answered. Once back at the shop we made the necessary changes and were able to improve the customers cut quality and double the number of cuts. We now have a happy customer who will generate \$1500 per month in service work.

Anyway, the moral of the story is: if you want to improve your business - GET INVOLVED! Start attending the various ISKA events and meet other shop owners and operators. You have everything to gain and nothing to lose. If you have any questions or concerns, please feel free to contact me at mikel@eastsidesaw.com

Sincerely,
Mike Lindsay