



# SONO WAVES

A Publication of  
**FURNESS-NEWBURGE, INC.**

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*CALL NOW to help your foundry save money while improving worker and community environments with a Sonoperoxone® installation tailored to fit your needs. Gain control of your sand system while reducing scrap rates, consumable costs and pollution. Systems sized and priced for large, medium and small foundries.*

*Join our Sonoperoxone® family today. Two new members are:*

**Intat Precision May 2008**

**Washburn Iron Works June 2008**



**INTAT PRECISION RUSHVILLE, IN**

**CONSIDER INSTALLING A "SMART"  
SUPERHEATED  
CORE PURGE AIR SYSTEM  
with the following effects and benefits:**

- **Rapid dehydration of water based low emission core binders**
  - Improve overall core room efficiency
  - Increase out of box strengths
  - Low emission core binder use
  - Reduce cycle times
- **High temperature purge**
  - Aid in removal of high molecular weight solvent from newer organic binder systems
  - Reduce amine usage
  - Reduce odors during core storage
  - Reduce binder levels
  - Reduce scrap cores



The Core Superheat System is available in several packages to meet the unique needs of each customer. Depending upon the foundry's requirements, different sized heaters offer varying air flows. Air temperatures of up to 800 degrees Celsius are obtainable. The foundry may opt to retrofit the system using its current core box controls or to set up separate controls.

**PAPERS PRESENTED AT CASTEXPO IN ATLANTA, MAY 2008  
DESCRIBE AND EXPLAIN THE BENEFITS OF PNEU-COL®**

A paper entitled "Waste Green Sand to Core Sand Reclamation, Demonstration via Casting Study, with Simultaneous Clay Recovery and AO Benefits" was presented by John Fox from Penn State University on Monday, May 19. The paper discusses casting quality from reclaimed sand when used as core sand as well as material reductions using the Pneu-Col® system developed by Furness-Newburge, Inc. Co-authors included F. Cannon and R. Voigt of Penn State, J. Furness of FNI, and F. Headington. D. Coan and S. Lewallen of Neenah Foundry Company, Neenah, WI. See AFS Transactions, Vol. 116 (2008).

A paper entitled "Decreased Bond Consumption by Processing Baghouse Dust through Ultrasonic-Cavitation-Settling Coupled to Advanced Oxidation" was presented on Sunday, May 18 by John Fox. The paper discusses bond savings as well as VOC reductions from the use of the Pneu-Col® system developed by Furness, Newburge, Inc. Co-authors included F. Cannon and R. Voigt of Penn State, J. Furness of FNI, and J. Goudzwaard, M. Wosoba and P. Smith of Neenah Foundry Company, Neenah, WI. See AFS Transactions, Vol. 116, pp. 539-546 (2008).

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*WE HOPE TO HEAR FROM YOU SOON*

ENJOY YOUR SUMMER