



# SONO WAVES

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

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## Washburn Iron Works, Inc. Start Up August 2008

With its Sonoperoxone®, Washburn installed the world's smallest acoustic advanced oxidation clay recycle system. It can expand to recycle the waste green sand back into both core sand and green sand as well as clay back into the green sand system.

*Modernize your foundry with its custom designed Sonoperoxone® today. Call or email us for information.*

## MAJOR BREAKTHROUGHS ACHIEVED IN COREMAKING BY FNI USING NEW SUPERHEAT TECHNIQUES

Take advantage of this knowledge to benefit your foundry - details below

**Reasonable retrofits available  
for all core machines**

Modernize your foundry's core making

**Call or email TODAY for information on  
Superheated Core Purge Air System**



WASHBURN IRON WORKS, INC., WASHBURN, WI

**USE LETCAST SMART CORE PROCESS** (trademark pending)  
**WITH AIR TEMPS OF UP TO 800C POSSIBLE**  
**FOR THESE EFFECTS AND BENEFITS:**

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

**USE RECYCLED GREENHOUSE GAS**  
**TO MAKE FOUNDRY CORES**

Try our **RGHGplus** (trademark pending) as a new way to make foundry cores using recycled greenhouse gas.

Both the parts and the technical support are available *now* for this revolutionary way of making cores with low emission technology.

**LEARN ABOUT THE BENEFITS OF PNEU-COL® FROM  
PAPERS PRESENTED AT CASTEXPO IN ATLANTA, MAY 2008**

"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).

"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).



*We hope to hear from you soon*

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**Happy Halloween**