

SONO WAVES

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Disinfect Cooling Water Economically and Efficiently without Chemical Additives

Re-circulating water used for cooling cupolas, compressors and air conditioning systems is the ideal environment for iron loving bacteria propagation and for scale formation. Recently, we successfully assisted several customers in disinfecting their cooling water of this bacteria which represents a potentially severe health hazard to both employees and the community. Please contact us regarding the equipment and procedures necessary to help protect your foundry from this threat. No chemical additions are necessary. For a very reasonable cost, you too can assure a safer environment for your employees and improve system performance.

Use our Superheat Technology to improve core making processes

Make cores more quickly for less cost while reducing organic binder levels and associated pollution and odors. Enhance the use of inorganic binders to compete with organic resins, technically and economically.

Retrofits available for all core machines. Take advantage of this new technology to benefit your foundry. Please see page 2 of this newsletter for further information.

**SUPERHEAT TECHNOLOGY
ALLOWS AIR TEMPS OF UP TO 800°C
FOR THESE EFFECTS AND BENEFITS:**

- **Rapid dehydration of water based low emission core binders**
 - Improves overall core room efficiency
 - Increases out of box strengths
 - Reduces cycle times
 - Allows low emission core binder to be used in applications previously thought to be possible *only* with higher emission binders
- **High temperature purge with conventional higher emission core binders**
 - Aids in removal of high molecular weight solvent from newer organic binder systems
 - Reduces amine usage
 - Reduces odors during core storage
 - Reduces binder levels
 - Reduces scrap cores
 - Reduces core gas related casting scrap

**IMPLEMENT OUR NEW
"SMART CORE BOX" TECHNOLOGY**

- Augments existing core machine practice to:
- + Improve consistency of core curing;
 - + Improve precision of catalyzing gas dose;
 - + Control and monitor core processing temperatures and gas flow profiles;
 - + Give the "host" core process and quality control department the data needed to determine when cores are properly and consistently cured; and
 - + Improve overall core room efficiency.

PLEASE CONTACT US FOR CLIENT TESTIMONIALS.

**YOU WILL BE AMAZED AND THEN EXCITED WHEN YOU HEAR
ABOUT THE POSITIVE RESULTS FROM THIS TECHNOLOGY
FROM FOUNDRIES USING THE TECHNOLOGY.**

FURNESS NEWBURGE, INC. SUBAWARDEE ON
BEN FRANKLIN TECHNOLOGY PARTNERS OF
NORTHEASTERN PA GRANT TO PENN STATE

This project will focus on finding ways to replace coke and reclaim baghouse dust and sand in foundry operations. Ward Manufacturing, Inc. has agreed to be the industrial partner. The design phase has been completed and procedures will be implemented shortly.

Updates will be provided on the web site

Please contact us today, either by email:

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HOPE TO HEAR FROM YOU SOON

JIM, DAVE AND LYNN