

TechTalk



**2014
4th Quarter Topics:**

- Cee Kay Dry Ice Blasting
- Local Charity Support
- Cryogenic Filler Metals
- Plant Maintenance

The St. Louis Gas, Welding and Industrial Information Newsletter

Cee Kay Supports Local Charities

Every year, Cee Kay Supply helps to support many local charities in the St. Louis area. This year, Santa's Helper's, Inc. and Bosom Buddies were a couple local organizations the company supported.

For the 4th year in a row, Santa's Helpers, Inc. calls Cee Kay's upstairs warehouse their home. In 2011, Santa's Helpers lost the space where they were currently located and needed a new home. With Cee Kay's upstairs space not being utilized, it was offered to Santa's Helpers free of charge. This holiday season, over 600 local families will benefit from the Santa's Helpers organization.

In October, Cee Kay Supply ran a Breast Cancer awareness promotion in conjunction with Direct Wire and Cable by selling a special pink welding cable. Ten percent of pink welding cable sales were donated to Breast Cancer awareness and research, with 5 percent going to local charity, Bosom Buddies.

If you are interested in purchasing pink welding cable, there is still a limited amount available.



Welding Against Breast Cancer
Cee Kay Supply employees wore pink shirts to work in support of Breast Cancer Awareness Month.

DRY ICE AND DRY ICE BLASTING EQUIPMENT NOW AVAILABLE AT CEE KAY SUPPLY

New to Cee Kay's product offering this year is dry ice and dry ice blasting equipment. This exciting new addition makes Cee Kay Supply the only place in St. Louis to find fresh dry ice and dry ice blasting equipment at the same location.

Having dry ice production and dry ice blasting equipment available under the same roof, makes Cee Kay a convenient one-stop shop for customers to fulfill all their dry ice needs.

With the addition of a Cold Jet® Aero 40 HP dry ice blasting unit to Cee Kay's rental fleet, customers have a convenient one-stop shop to fulfill all their dry ice and blasting needs. This state-of-the-art system boasts an intuitive control panel featuring a quick stop button, blast pressure gauge, feed rate control and an hour meter. With a feed rate of 0-4 lbs. per minute and a blast pressure range of 20-250 PSI, the user is guaranteed the best pellet integrity, maximum cleaning aggression and a reliable blast stream. This system uses frequency-tuned vibratory agitation to eliminate clogging, which allows the user to blast through the 40 lb capacity hopper without stopping.

Why Dry Ice Blasting?

Dry ice blasting is a new form of abrasive blasting for industrial cleaning



applications. Using compressed air and pelletized dry ice, this cleaning method is not only faster and environmentally friendly, but it is also non-flammable, non-abrasive, non-conductive and non-toxic.

What applications or industries use dry ice blasting?

Dry ice blasting can be used in a variety of industries including:

- Food and beverage processing
- Historical restoration
- Printing and plating
- Weld preparation and slag removal
- Aerospace
- Fire and Smoke damage
- Marine
- Mass transit
- Utilities and nuclear
- Automotive
- Wood, brick and plastic

For more information on dry ice or dry ice blasting, please contact us at info@ceekay.com or (314) 644-3500.



Midalloy Now Stocks Cryogenic Filler Metals

Midalloy, headquartered in St. Louis, the global supplier of stainless steel, nickel, and low alloy filler metals, maintains a close relationship with Cee Kay Supply. In Midalloy's constant quest to supply High Performance Alloys to fulfill demanding requirements, it stocks Cryogenic Filler Metals. These welding alloys are used in the fabrication of components for the production of liquefied natural gas (LNG). This billion dollar worldwide market uses base metals of type 304L, 316L, 201 and 9% nickel to liquefy natural gas as well as for the transportation, storage, transfer and distribution of LNG.

Natural gas becomes liquid at -270°F and then is much easier to store and transport. This growing market continues to expand as natural gas uses include power generation, fuel for automobiles and the replacement of diesel in construction equipment.

For this application, Midalloy stocks stainless steel and nickel alloys that are impact tested at -320°F. Most common grades used are 308L and 316L

available in bare wire (for TIG or MIG processes) and in flux-cored wire form. With tightly controlled chemistries, as well as low deposited ferrites, Midalloy provides an "off the shelf" solution for fabricators. In addition, nickel alloy bare wire in ERNiCrMo-3 (N06625) and ERNiCrMo-4 (N10276), as well as the same grades in flux-cored are stocked at Midalloy.

Midalloy's "off the shelf" solution for LNG fabricators and their suppliers is unique in the welding supply industry and is why Midalloy leads the market for the procurement of these products. With technical support and stock, Midalloy makes it easy for Cee Kay Supply to be the "go to" distributor for this industry. All of these materials are tested in accordance to the AWS specifications and to the ASME

Boiler and Pressure Vessel Code, Section VIII. Data sheets are available online.

For more information on Midalloy products, contact your Cee Kay salesman or call (314) 644-3500.



Midalloy

Six Welding Tips for Plant Maintenance

Welding is a crucial part of a maintenance plan for many plants. Staying focused on the safety aspect of this skill will help ensure that employees and equipment stay safe at all times. Keep the following tips in mind when maintenance projects arise that require welding.

1. Safety is the First Objective

All instruction manuals should be read for any welding equipment that will be employed. Unless a particular piece of equipment is utilized on a regular basis, employees should take the time to go over how to properly use the welding equipment they have been assigned. This is especially critical if the equipment is new to the employee.

2. Practice Makes Perfect

Like almost any other skill, welding takes practice to fine-tune the right techniques. Make sure that employees who will be welding have the opportunity to practice their skills on a regular basis. This is just one

reason why it is a good idea to have at least one person whose primary job is to weld.

3. Check Credentials

Before anyone is assigned a welding job, it is imperative that his or her credentials are checked. Ideally, the employee should hold a welding degree or certification from an accredited school.

4. Gather Your Gear

Welding can be a dangerous job, hence the need for extensive training. In addition, it is essential for plant safety that the proper equipment is available for every welding job. Specially designed welding gear including gloves, clothing and helmets are necessary to protect welders from the extreme heat and sparks that are emitted by welding equipment. Keeping gear such as helmets clean and free of debris helps welders maintain a clear view of their project.

5. Prep Materials Before Welding

In order to make a clean weld,

it is vital to prep the surfaces to be joined. This involves removing as much of the rust, dirt and debris as possible. If a solvent is needed to remove these elements, make certain that the surfaces are completely dry and free of solvent before any welding begins.

6. Clear Space

While some tight spaces are to be expected (especially in the manufacturing industry), if possible dismantle parts that must be welded before moving them to a safe area. This step is necessary if the parts to be maintained are located close to gas lines or other sources of flammable materials.

