

# Industry Overview: Foundry and Forging

Reduced cleaning time = less downtime



## A Faster, More Productive Clean.

A major issue for the foundry and forging industries is the downtime caused when cleaning permanent aluminum molds, core box vents, semi-solid castings and die casting machines. Typical manual cleaning methods require cool down, disassembly, unproductive hours of messy hand cleaning or bead blast cleaning, and then reassembly. In addition, most traditional cleaning methods are not fully effective and often result in damage to the part or equipment.

Dry ice blasting offers significant improvement in cleaning times (up to 60%) as well as reduction of damage to equipment and resulting scrap product. As dry ice blasting allows a non-conductive, in-place method to clean parts, even touch-up cleanings are safe and easy.

## Discover Cold Jet.

Contact Cold Jet today to speak with an industry expert and choose the best cleaning solution for your application. Call **1.800.337.9423** or visit us online at [www.coldjet.com](http://www.coldjet.com) to learn more.

### APPLICATIONS

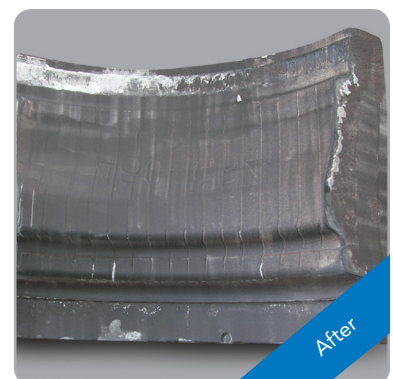
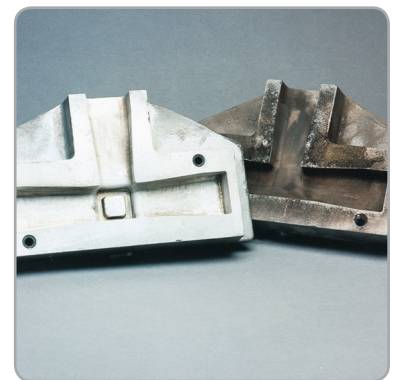
- Permanent Aluminum Molds
- Refractory Coatings
- Core Boxes and Vents
- Die Cast Tooling
- Shell Core Molds
- Semi-solid Castings / Forging
- Remove Resins & Release Agents
- General Equipment & Facility
- Conveyors
- General part cleaning

### KEY BENEFITS

- Reduce production downtime
- Eliminate disassembly of molds
- Clean better, hot and in-place
- Eliminate waste disposal cost
- Increase production time
- Non-abrasive, no damage to tooling
- Environmentally responsible
- Delivers superior as-cast finish

### REFERENCES

*Join industry leaders already benefitting from Cold Jet dry ice blast cleaning systems.*



## Cold Jet vs traditional cleaning methods.

CLEANING METHOD	NO SECONDARY WASTE	NON-CONDUCTIVE	NON-TOXIC*	NON-ABRASIVE
Dry Ice Blasting	●	●	●	●
Sand Blasting		●	●*	
Soda Blasting		●	●*	
Water Blasting			●*	●
Hand Tools	●		●	
Solvents/Chemicals				●

\* Upon contact, traditional blasting materials become contaminated when used to clean hazardous substances and objects. These blasting materials are then classified as toxic waste and require appropriate safe disposal.