Technical Molding Cleaning
A clean mold produces higher quality products

Cold Jet’s Environmental Cleaning and Surface Preparation (ECaSP) systems have helped molders meet stringent industry demands. Molders are very familiar with the requirements of precision (high-tolerance) and micro-molding parts and the difficulties that come with them. Keeping small orifices, micro-cavity production molds - as well as the deep, complex geometry of micro tools - clean is a critical concern when manufacturing high tolerance plastic parts. With contaminant on molds, vents fill up and cause a variety of molding problems: burns, short shots, foreign particles, flash and plate out. After the vents fill, a sticky and sometimes abrasive off-gas is forced between other close-fitting tooling. Mold damage can also occur from trapped air “dieseling” or “jetting” due to clogged vents.

“Cleaning with Cold Jet will not roll parting lines, change or destroy the metal. Most importantly, it allows our running time to be extended. We use it every day and on every shift. The Cold Jet cleaning process extends the running time of our molds by 200-500 percent. I would tell others to try this out... the benefits are well worth it.” - Tom Mendel, Performance Plastics

The System
The i³ MicroClean® is a non-abrasive dry ice cleaning system that can extend the life of your molds by eliminating the need for harsh chemicals, wire brushes and abrasive pads. When performance, improved quality, increased productivity and cost reduction are vital, Cold Jet’s dry ice cleaning solutions can help you clean molds, deflash and deburr. With Cold Jet, you can increase production capacity and improve product quality without buying new presses or molds.

The Benefits
- Designed for precision applications
- Low noise operation
- Table-top footprint
- Easy to maintain with removable panel design
- Safe operation
- Increased blast pressure
- Pneumatic circuitry regulates pressure loss and reduces moisture buildup
- Integrated bonding cable virtually eliminates the risk of static shock
- Durable burst-proof blast hose with hose cover
- Minimal air/ice usage
- Stainless steel rotor
- Includes cart for mobility

A clean mold produces higher quality products
Cold Jet's Environmental Cleaning and Surface Preparation (ECaSP) systems have helped molders meet stringent industry demands. Molders are very familiar with the requirements of precision (high-tolerance) and micro-molding parts and the difficulties that come with them. Keeping small orifices, micro-cavity production molds - as well as the deep, complex geometry of micro tools - clean is a critical concern when manufacturing high tolerance plastic parts. With contaminant on molds, vents fill up and cause a variety of molding problems: burns, short shots, foreign particles, flash and plate out. After the vents fill, a sticky and sometimes abrasive off-gas is forced between other close-fitting tooling. Mold damage can also occur from trapped air “dieseling” or “jetting” due to clogged vents.

“Cleaning with Cold Jet will not roll parting lines, change or destroy the metal. Most importantly, it allows our running time to be extended. We use it every day and on every shift. The Cold Jet cleaning process extends the running time of our molds by 200-500 percent. I would tell others to try this out... the benefits are well worth it.” - Tom Mendel, Performance Plastics

The System
The i³ MicroClean® is a non-abrasive dry ice cleaning system that can extend the life of your molds by eliminating the need for harsh chemicals, wire brushes and abrasive pads. When performance, improved quality, increased productivity and cost reduction are vital, Cold Jet’s dry ice cleaning solutions can help you clean molds, deflash and deburr. With Cold Jet, you can increase production capacity and improve product quality without buying new presses or molds.

The Benefits
- Designed for precision applications
- Low noise operation
- Table-top footprint
- Easy to maintain with removable panel design
- Safe operation
- Increased blast pressure
- Pneumatic circuitry regulates pressure loss and reduces moisture buildup
- Integrated bonding cable virtually eliminates the risk of static shock
- Durable burst-proof blast hose with hose cover
- Minimal air/ice usage
- Stainless steel rotor
- Includes cart for mobility