

MEDICAL DEVICE MANUFACTURING

Improved product quality, reduced scrap

Today's medical device manufacturers are well-familiar with micromolding of precision (high-tolerance) parts - and all the problems associated with it. From the production of catheter tips to surgical device handles and stents, maintaining product quality and clean manufacturing equipment is paramount.

Keeping production mold micro-cavities clean (as well as cleaning the small, deep, complex geometry of micro tools) is a critical concern when manufacturing very high tolerance medical device parts. In addition, cleaning the clamping devices used during the fabrication process and removing parting line flash (deflashing) or material burrs (deburring) from final products are equally significant manufacturing issues.

Cold Jet precision dry ice blast cleaning has been shown to cut cleaning time by up to 75% in the precision and micro mold industries, as well as significantly reduce replacement tooling costs and product scrap rates while increasing quality output.

Unlike micro-sandblasting, dry ice blast cleaning does not damage or destroy the clamps, thus eliminating high tooling replacement costs.

KEY BENEFITS

- Improved product quality
- Process and product consistency
- Helps meet contract specifications
- Reduce downtime
- Increase productivity
- Non-abrasive
- No water or secondary waste
- Clean in-place; no disassembly required
- Decontaminate surfaces
- Environmentally responsible
- Simple operation

GENERAL MOLD & TOOL CLEANING

Liquid Injection Silicone Mold
Thermoplastic Injection Mold
Thermoset Injection Mold

DEFLASHING & DEBURRING OF PARTS AND COMPONENTS

Catheter Tip
Manifold
Medical Stent and Implant
Surgical Tools and Instruments
Titanium, Stainless, PEEK products

APPLICATIONS



Join industry leaders already benefiting from Cold Jet dry ice cleaning systems.



Baxter

Johnson & Johnson



Medtronic

stryker