

## MTD Micro Molding Announces Cleanroom Expansion

April 2011

MTD Micro Molding, which offers precision injection micro moulding for the micro medical device market is expanding its cleanroom.

The 1200 square feet addition of ISO class 8 cleanroom will hold the capacity for 8 more moulding cells. A high tech material handling and storage area will be added to provide a server-based material handling system where every item can be verified by scanning the bar code or comparison to a photo. This will reduce errors and eliminate the need for a separate QC function. MTD Micro Molding will also be adding a grinding room to control the graphite. This controlled environment will compliment their 6S program which is a part of MTD Micro Molding's lean manufacturing initiatives. The project is due for completion on January 1, 2012.

MTD Micro Molding develops micro moulded plastic parts and components that are used in electronic devices, micro fluidics devices, surgical tools, biomedical plastic surgical catheters and implants, and much more.

MTD Micro Molding was founded in 1972 and was established as a leading manufacturer of miniature connector injection molds for the electronics industry. The company has continued to grow over the years and designs and manufactures microscopic components for the medical industry in its precision cleanroom facilities in Massachusetts. MTD Micro Molding is one of only a few US companies dedicated to micro mould making and micro moulding and has invested extensive time and resources into the research and development of micro moulds for the medical industry. MTD Micro Molding designs and manufactures some of the tiniest medical device components in the world.

MTD Micro Molding has the design engineering experience, techniques, and capacity to create safe, reliable, efficient, cost-effective, and innovative products. MTD Micro Molding projects undergo a rigorous, five-step manufacturing process that includes design for manufacturing, tooling, micro EDM, micro moulding and quality management. MTD Micro Molding's micro mould parts deliver a stronger performance than those associated with macro moulding and lead to better products and lower operating costs. By owning only one of two Micro Electrical Discharge Machining (EDM) milling production machines in the country, MTD Micro Molding is able to create smaller features and more intricate shapes than possible with conventional micro milling or conventional EDM. Every aspect of MTD Micro Molding's process adheres to stringent standards and is all done in-house. The key market that MTD Micro Molding works with is Medical Industry Micro Devices. Medical micro moulded devices applications include micro endoscopes, automatic insulin pumping mechanisms, bioabsorbable materials and vascular applications.


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