

## **Paramatech Receives 2012 MPIF Grand Prize Award in the Medical/Dental Category**

WARWICK, RI – ATW Companies, a leading provider of custom manufactured metal components and services, announces that its Parmatech Corporation subsidiary was a winner of the 2012 Powder Metallurgy Design Excellence Awards Competition, sponsored by the Metal Powder Industries Federation (MPIF). Parmatech earned the grand prize in the medical/dental category for a mechanical introducer device used in minimally invasive obstetrical/gynecological surgery. Using the metal injection molding (MIM) process provided a 70 percent cost savings over equivalent machined parts.



ATW Companies president and CEO Peter Frost accepted the award at the PowderMet 2012 International Conference on Powder Metallurgy and Particulate Materials, held in Nashville, TN on June 10-13, 2012.

Made for STD Med, Inc., of Stoughton, Massachusetts, the mechanical introducer device contains five 17-4 PH stainless steel metal injection molded (MIM) parts: right and left cover, curved needle, curved needle linkage, and center linkage. The covers have a complex three dimensional geometry incorporating assembly pins and slots for moving the internal parts that require smooth action for suturing.

Formed to a net shape requiring no machining, the parts are assembled by the customer who performs laser welding on the cover seam/joint. The parts are made to a density of 7.65 g/cm<sup>3</sup>.

According to MPIF, Parmatech's winning part exemplifies powder metallurgy's special engineering benefits – net shape, precision, innovative fabrication methods, production efficiency, sustainability contributions, and manufacturing cost reduction. Ten Grand Prizes and ten Awards of Distinction in the application-based competition were handed out during the special luncheon in Nashville.

“We are honored that MPIF has again recognized Parmatech as a leader in MIM technology,” said Brian McBride, general manager at Parmatech. “We are pleased to be able to showcase how we use MIM to produce complex shapes that can reduce costs compared to a machined part, with high production rates, while producing far less material waste.”

## About Parmatech Corporation

Since 1973, Parmatech Corporation has been a leading provider of custom manufactured Metal Injection Molding (MIM) components and services. Through proprietary process and material technology, Parmatech provides a robust set of solutions to meet the challenges of their customers around the world. Developed from over thirty-five years of operational experience, Parmatech's unique set of tools provide solutions to even the most demanding MIM applications.



Parmatech Corporation is part of the ATW family of companies and is the recipient of seven Grand Prize Awards, seven Awards of Distinction and two Awards of Achievement, a total of sixteen awards from the Metal Powder Industry Federation (MPIF). For more information on Parmatech Corporation, visit [www.parmatech.com](http://www.parmatech.com) [1] , call 1-800-709-1555 or write [dlauck@parmatech.com](mailto:dlauck@parmatech.com).

## About ATW Companies

Headquartered in Warwick, RI, ATW Companies is a provider of highly engineered metal solutions to the metal component marketplace, servicing customers worldwide. The company runs state-of-the-art manufacturing facilities located in California, Pennsylvania, and Rhode Island and offers global sales and support. ATW provides a wide range of fabrication technologies to meet the exacting requirements of industries and diverse technologies for the most critical applications. The company's motto is “Be the Best...Do it Right,” and they strive to

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Published on Medical Design Technology (<http://www.mdtmag.com>)

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live by this commitment to quality, reliability, innovation, and integrity by continuously adding value to their products and services.

### **Source URL (retrieved on 04/26/2015 - 12:58am):**

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[1] <http://www.parmatech.com/>