

## Discover how small parts can save countless lives



### **Indo-MIM - meeting the critical needs for medical products**

Indo-MIM provides industry-leading solutions for MIM medical device, orthopedic and orthodontic applications. We are your single resource for medical products right from concept design and prototype throughout fabrication, integration and packaging. We provide cost effective one-stop solutions for your most demanding medical product needs.

## Partnering for success

Indo-MIM forges solid partnerships with our customers so that we can provide maximum value over the life of a program. We meticulously plan a project with a select team dedicated to the program from beginning till end. Our APQP process is among the best in the business. It assures that we have adequate resources to bring the project in on time and with a smooth launch.

## Stringent process control

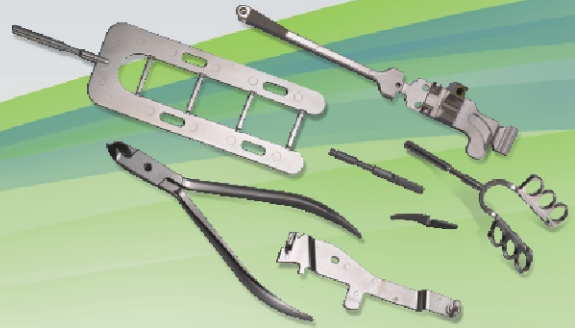
Indo-MIM has built a reputation for meeting the strict quality requirements of the medical industry. Our quality systems are ISO/TS 16949:2002 registered as well as compliant with ISO 13485 standards. Every product we produce goes through a strict quality planning process which is then thoughtfully executed in production by every member of our team. Our ASQ certified Lean Six Sigma team members continuously strive to improve every aspect of our operations.

## Economical solutions for small volume requirements

Our cost effective tooling capability combined with our capable engineering resources allows for the manufacture of small production volumes not previously considered economical by MIM. Indo-MIM has developed innovative tooling concepts that lower the cost threshold to produce highly complex components that are usually produced by costly five axis machining. This is a much desired alternative to machining especially when a quick ramp in production volume is needed. Indo-MIM is well equipped to manage the high volume production needs for the disposable instruments market.

## Materials solutions for a variety of applications

Indo-MIM provides a wide variety of material solutions for surgical instruments, orthodontic appliances as well as orthopedic implants. For instruments, which require high strength and wear combined with good corrosion resistance can be found in our 17-4PH, 420 and 440C grade stainless steels. Our 316L grade stainless steel is a popular choice for applications requiring high ductility with excellent corrosion properties. For orthodontic appliances, we provide 17-4PH as well as Ni-Free grades of stainless steel. Orthopedic implant applications are growing for MIM and we are there with a full range of material solutions including Co-Cr as well as Titanium alloys with HIP processing for these critical applications. Besides our standard array of



off-the-shelf solutions, Indo-MIM maintains a world-class materials laboratory to develop a custom solution for your most demanding products.

## Providing a total solution

Indo-MIM continues to invest in not only the latest MIM technology, but also in the most advanced capabilities in finish machining, heat-treating, and performance surface coatings. We not only provide world-class MIM products but a full range of services including plastic injection molding, insert molding, supply chain management as well as integration and packaging in our ISO Class 8 cleanroom.

## MIM Medical product solutions:

**Surgical Instruments:** Endoscopic graspers & scissors, instrument bodies, scalpel handles, forceps, endoscopy, ablation electrodes

**Orthopedic:** Trauma plates, screws, spine (implants & external fixation), orthopedic surgery tools (power & hand)

**Orthodontic & Dental:** Orthodontic brackets, dental instruments Hearing Devices Housings, implants

## Indo-MIM medical capabilities:

- Product design and material selection assistance
- Prototyping and low volume development
- Low and high volume MIM production
- Micro-molding
- Automated manufacturing and inspection
- Precision grinding and CNC machining
- Laser cutting and welding
- Heat-treating and PVD surface coatings
- Micro-blasting and passivation
- Plastic insert molding
- Plastic injection molding
- Integration and packaging in ISO Class 8 cleanroom

For proven, expert, cost-effective MIM solutions, delivered with strict adherence to deadlines, do contact us at [www.indo-mim.com](http://www.indo-mim.com)

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