

**P
r
o
d
u
c
t

S
p
o
t
l
i
g
h
t**

Metal Injection Molding:

By combining the versatility of plastic injection molding with the strength and integrity of machined, pressed or otherwise manufactured small, complex, metal parts ... Metal Injection Molded parts are noticeably superior to other manufacturing processes. The Federal Group specializes in the production of shaped metal components. Through close communication with our clients we deliver the best technology for the application. We are active in the **Medical, Automotive, and Electronic industries** among many others.

MIM is capable of producing an almost limitless array of highly complex geometries in many different alloys ranging from stainless steels, alloy steels, and soft magnetic materials, controlled expansion materials (low CTE) and custom alloys. Design and economic limitations of traditional metalworking technologies, such as machining and casting, can be readily overcome by MIM.

We Can Help You!

Get answers at:

800-759-2658 Ext #102

Contact Bob Levy

www.TheFedGroup.com

E-mail info@thefedgroup.com



The Federal Group

25200 Telegraph Rd. Suite 415 Southfield, MI.
48034

800-759-2658

Fax: 248-545-7014



Benefits of Buying MIM Products From The Federal Group!

- **Design Freedom** –Design flexibility similar to plastic injection molding. Complex parts are made that cannot be produced using the conventional powder metal processes without secondary machining.
- **Enhanced Details** –MIM provides intricate features such as dovetails, slots, undercuts, threads, and multifaceted curved surfaces.
- **Reduced Assemblies** –Combine two or more simple shapes into a single, intricate component to minimize assembly costs.
- **Reduced Waste/Machining** – Federal's capability to provide net shape components eliminates countless secondary machining operations.
- **Improved Properties** - MIM parts are characteristically 95% to 98% dense, approaching wrought material properties. This accomplishes greater strength, enhanced corrosion resistance, and improved magnetic properties when compared to conventional powder metallurgy processes.



THE FEDERAL GROUP