



P R A X I S
TECHNOLOGY

PRAXIS STRENGTHS:

Markets

Medical

Aerospace

Industrial

Consumer

Firearms

Marine

Electronics

FOCUS

Praxis specializes exclusively on manufacturing using titanium powder metallurgy.

QUALITY

Praxis works within the stringent regulatory requirements of the medical industry, manufacturing using cGMP's and a paperless document system. Each MIM program is designed to meet the needs and expectations of your industry.

MANUFACTURING

Our investment in state-of-the-art manufacturing and metrology equipment ensures your products quality.

ENGINEERING EXPERTISE

Our experienced staff collaborates with your team to optimize manufacturability and cost savings.



THE TiMIM ADVANTAGE

- Cost savings of 20-50% over multi-axis CNC machining or investment casting.
- Increased design flexibility and net-shape features with reduced manufacturing cost.
- Mid to high production volumes scaled up quickly.
- Improved performance, tightened tolerances and superior surface finish over investment casting.

MATERIAL

Our Ti-6Al-4V Grade 5 material complies with the chemistry and mechanical property requirements of the following specifications:

ASTM F2885

ASTM F1472

ASTM B348

ASTM B381

AMS 4928

AMS 6931

COMPONENT SUITABILITY

- Typical annual volumes range from 5k to 1M
- Part weights typically range from 0.1g to 100g
- Minimum wall thickness of 0.040" (1 mm)
- Net-shape tolerance capability of +/- 0.3% of the dimension
- Surface finish of 32 Ra (μin)
- Additional processing can achieve improved tolerances and finish



PRAXIS TECHNOLOGY is an ISO-13485 certified manufacturing company that produces titanium components via metal injection molding (MIM). MIM is ideal for small, complex parts with annual volumes ranging from thousands to millions. Praxis has expanded its reach beyond our roots in medical devices to provide its cost saving technology to your industry.



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