MIM
METAL INJECTION MOULDING

Process Technology

MIM technology
Elastomer technology
Plastic injection molding

THE KNOW-HOW FACTORY

www.zimmer-group.com
Metal Injection Moulding. Metal Injection Moulding (MIM) is an innovative technology for the manufacturing of complex metallic series parts. It combines the known technologies injection moulding and sintering.

**Material variety**
- Stainless steel
- Low alloy steel
- Tool steel
- Titanium and Ti-alloys
- Cemented carbides
- Special alloys

**Excellent surface quality**
Ra < 3 μm

**Post-processing**
analog to the full material

**Geometrical freedom**
Complex metallic components with great freedom in design can be developed (Part weight up to 250g)

**Integration**
of inner and outer threats

**Tight tolerances**
without post-processing possible
# COST ADVANTAGES THROUGH MIM

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<th>CONVENTIONAL MACHINING</th>
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- **CONVENTIONAL MACHINING**
  - Low alloy steel
  - Machining
  - Finished part

- **METAL INJECTION MOULDING**
  - Stainless steel
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- Approx. **19.** Euro
- Approx. **9.50** Euro

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