MIM
METAL INJECTION MOULDING

Process Technology

MIM technology
Elastomer technology
Plastic injection molding

THE KNOW-HOW FACTORY
YOUR ADVANTAGES
AT ONE GLANCE

Cost savings
Of approx. 25-65% with respect to other production technologies

Geometrical freedom
Complex metallic components with great freedom in design can be developed for your high quantity series components (Part weight up to 100 g)

Material variety
Low alloy steels, stainless steels, tool steels, soft magnetic materials, heavy alloys, titanium alloys and special alloys can be processed

Integration
Of inner and outer threats

Tight tolerances
Without post-processing possible

Excellence surface quality
Peak-to-valley height of Ra <0.2

Post-processing
Analog to the full material
MIM-TECHNOLOGY
INNOVATIVE PROCESS FOR THE MANUFACTURING OF COMPLEX METALLIC SERIES COMPONENTS

Metal Injection Moulding – MIM – combines two known manufacturing technologies (injection moulding and sinter technology)
1. TOOL MANUFACTURING

Complex geometry? No problem! Our tooling unit offers a fast and flexible realisation of your series components.

2. INJECTION MOULDING

One of our key competences is the automation of production processes. Your complex series components are manufactured fully automated.

3. DEBINDING AND SINTERING

The debinding and sintering process is going to be adapted for your specific component and the respective material. Thus an optimal part quality with mechanical properties analog to the full material is realised.

4. SURFACE TREATMENT

If you need your part with a surface treatment, hardened or coated, we produce and refine your series component to a fully finished condition. -Just contact us!-

5. QUALITY ASSURANCE

We are ISO certified 9001:2008
PROCESS CYCLE

METAL POWDER AND BINDER - FEEDSTOCK -

INJECTION MOULDING - GREEN PART -

DEBINDING - BROWN PART -

SINTERING - METAL PART -
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