

....small components with great effects....

Based in Hamburg – Reinbek, we are developing economical solutions in co-operation with our customers. With regard to our business division foundry and forging technology we are using modern production processes such as MIM (metal injection moulding) and Tempocast plaster casting for prototypes made of magnesium, aluminium and zinc.

MIM – METAL INJECTION MOULDING

With the metal injection moulding process we are able to produce complex component parts accurate to size.

Advantages: Economies & high quality

- No design limitations
Complex geometrical layouts are possible, like with plastic component parts – e.g. undercuts, threads, gear tooth forming, etc.
- Small tolerances
The MIM procedure allows the production of component parts with a precision of +/- 0.3% of the nominal dimension without rework
- Excellent surface qualities
It is possible to achieve a surface roughness value of less than 6 due to the homogenous structure
- Selection of material – stainless and low - alloyed steels, tool steel, magnetically soft materials as well as titan are used.

Examples of MIM applications

- Car industry : airbags, turbocharger, gearbox components, valves, nozzles
- Electronics : printers, photographic industry, consumer electronics
- Medical engineering industry : anaesthesia, dosing technology
- Mechanical engineering : textile machinery, drive elements, microgears and small gears



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