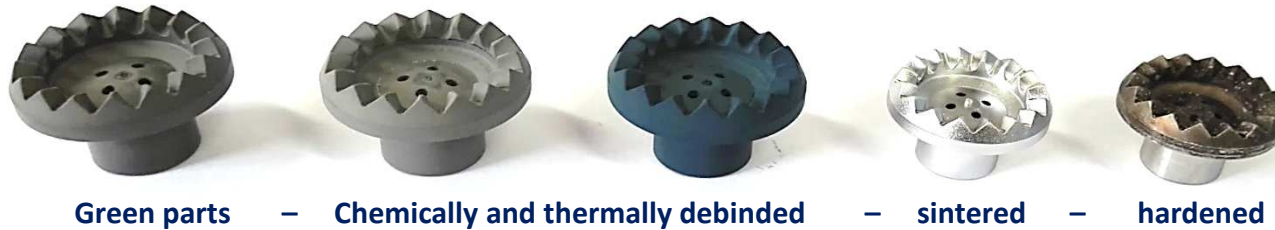




MIM – Face Gears



Field of Application:

Face gears are used in different types of gearing mechanisms. For this reason they are used in many different branches, like for example automotive engineering, energy generation, or medical technology.

Face gears produced with the help of the MIM process:

The production of small-format face gears using the MIM process is considerably cheaper compared to a production using chip removal. A switch-over to the Metal Injection Molding process is especially worth it, when the yearly quantities exceed 5'000 pieces.

Part Specifications:

- Material: 7% NiFe
- Weight: 18.75g
- Surface Roughness: Ra 1.2
- Size: $\varnothing 24 \times 15.5$ mm
- Annual quantity: 20'000 pieces
- Post-processes: Case hardened and machined to dimensions $\varnothing 12k6$

