

VBI Molds GmbH.

You will receive your
quote within 48 hours
from
offer-og@vbi-molds.de

Please send your
request to
rfq-ic@vbi-molds.de

You will receive your order
confirmation within 24 hours
after checking and placing your
order

Skills.



Development & Design

- Development, construction & design of plastic articles and injection molds
- Performing and analyzing plastic article simulations



Production of

- Plastic and metal prototypes
- Plastic articles 0.01 g -1,500 g
- Injection molds < 5 to. total weight



Management services

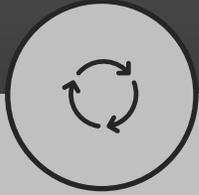
- Project Management
- Conceptual design/cost analysis of the entire process chain in plastic injection molding
- Troubleshooting and rectification
- On-site support during commissioning



Services

- Sampling
- Tool maintenance
- Tool repairs
- Tool changes

Services in detail.



- Development, construction & design of plastic articles
- Development, construction & design of injection molds
- Performing and analyzing plastic article simulations



- Project management
- Conceptual design/cost analysis of the entire process chain in plastic injection molding
- Troubleshooting and rectification of problems
- On-site support during commissioning

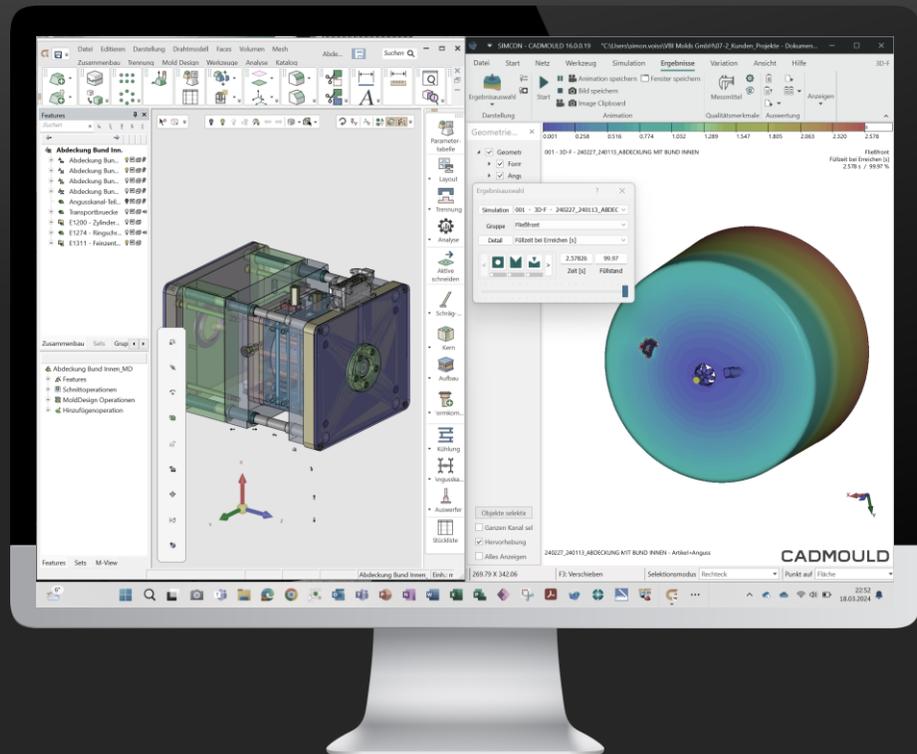


- 5-axis milling
- 3-axis milling
- Die sinking
- Wire EDM
- Start hole EDM
- Manual work:
 - Turning
 - Drilling
 - Saws
 - Loops
 - Welding



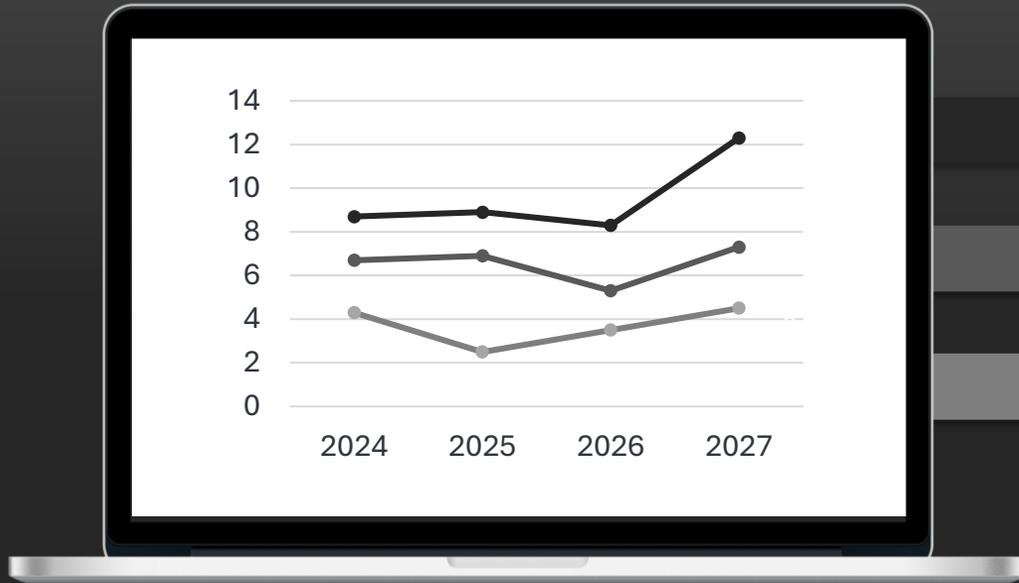
- 3D printing
- Sampling
- MICRO plastic injection molding 0.01 - 10.00 g (max. locking force of 100 kN)
- Plastic injection molding up to 1,000.00 g (max. locking force of 6500 kN)

Development & Design.



- Development, construction & design of plastic articles and injection molds with CIMATRON and 3D-TOOL
- Performing and analyzing plastic article simulations with CADMOULD

Management services.



- Project management with Microsoft Office 365 > Teams, PowerPoint, Project, Excel and Business Central
- Conceptual design/cost analysis of the entire process chain in plastic injection molding with the support of specially developed calculation tools
- Troubleshooting and rectification of problems

5-axis milling.

Hermle C400



850-700-500 mm travel distance X-Y-Z



450 kg max. Workpiece weight



4,5x3,5 m Installation area



Die-sinking EDM.



525-400-450 mm travel distance X-Y-Z



1.000 kg max. Workpiece weight



2,2x2,2 m Installation area

Ingersoll Gantry 500



Wire EDM.



500-350-300 mm travel distance X-Y-Z.



1.500 kg max. Workpiece weight



2,5x2,3 m Installation area

Mitsubishi FA20S Advance



Start hole EDM.



650-400-400 mm travel distance X-Y-Z.



500 kg max. Workpiece weight



1,7x1,5 m Workpiece weight

Mitsubishi Start 64C



Manual work.



- Turning
- Drilling
- Saws
- Loops
- Welding



3D printing.



335-200-300 mm max. workpiece weight



Materials:

- Thermosetting liquid plastic (SLA)
- Thermoplastic filaments



MIKRO injection molding.



0,01 – 5,00 g Shot weight



0 – 350 kN Clamping force



Materials:

- All standard thermoplastics
- Special materials like e.g..
 - Magnetic compounds
 - UHPE
 - PPA



Injection molding.



5,0 – 1.000,0 g Shot weight



350 – 6.500 kN Clamping force



Materials:

- All standard thermoplastics
- Special materials like e.g..
 - Magnetic compounds
 - UHPE
 - PPA



VBI Molds GmbH.

Simply innovative.



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