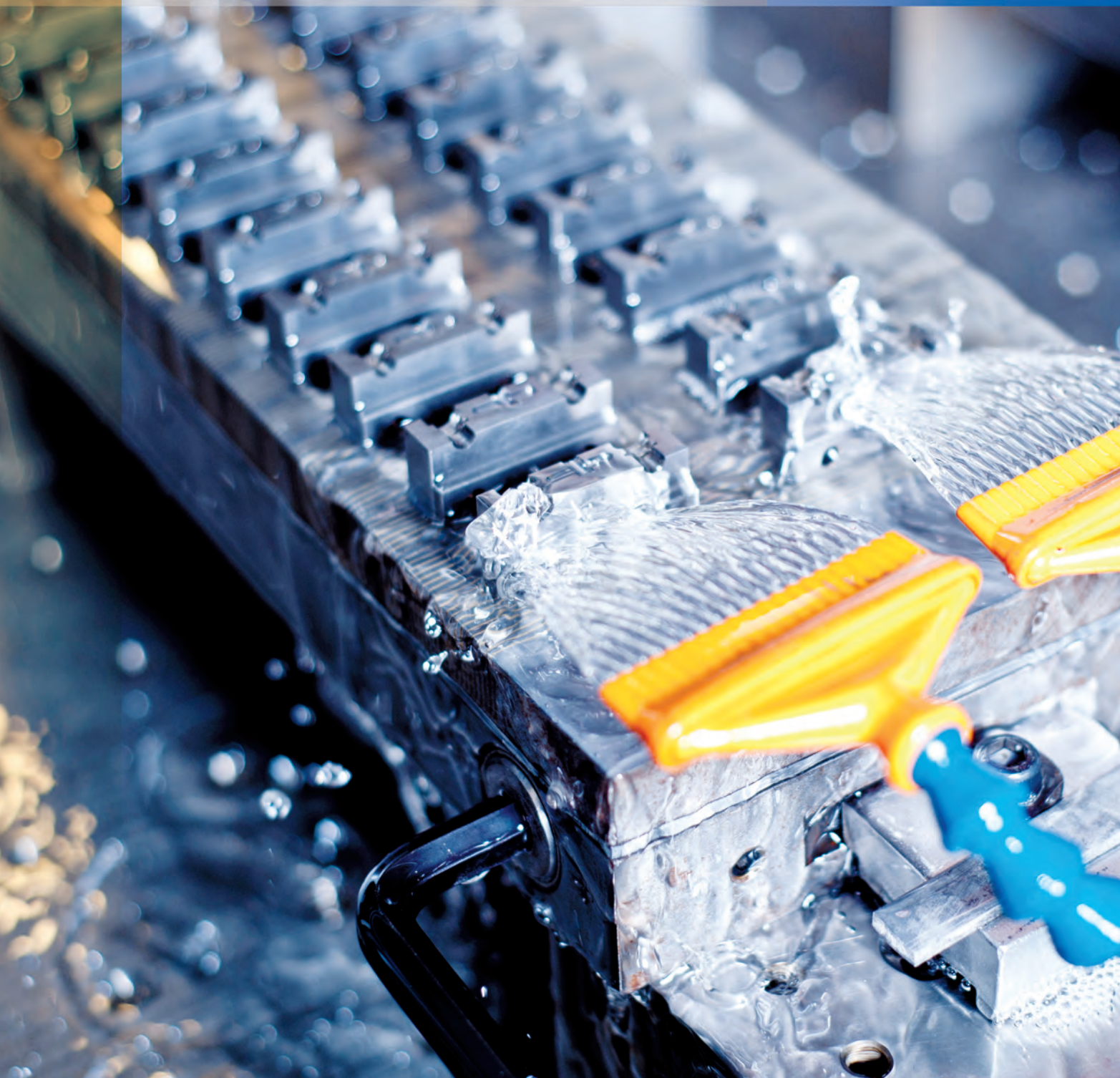


Plastic  
tooling

Plastic injection  
moulding

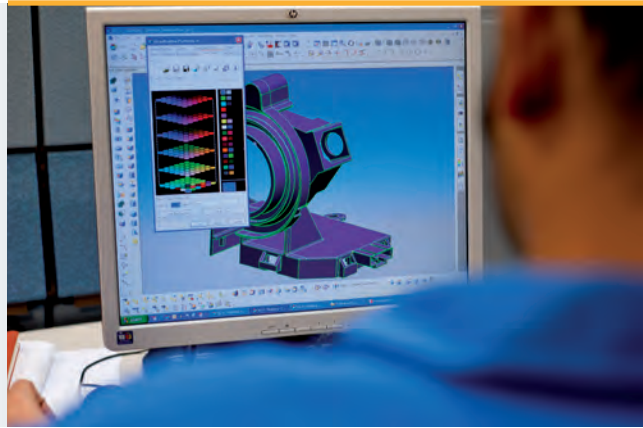


Design and fabrication of high quality precision plastic injection moulds, production of quality precision moulded parts and related secondary operations:

### Mould design

Fully integrated 3D software for mould design to steel cutting programming

- Unigraphic CAD-CAM
- Autocad
- 3D model file from customer to be in parasolid or stp format



### Precision injection mould making

Mould:

- build with cold, semi hot and fully hot runner system
- validated and approved before transfer to production
- Prototype, multi cavities and double shot injection mould
- life warranties (fully harden) to 1,000,000 shot cycle



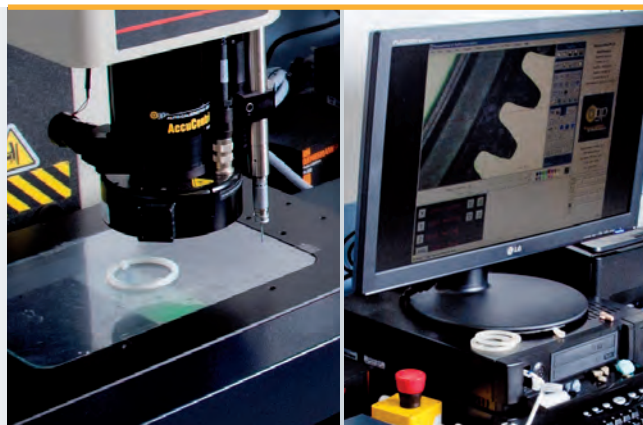
### Plastic injection moulding

- Moulding process undergo stringent validation process.
- Optimising with process study like gate freeze time, cavity balancing and temperature for optimum cycle
- Smallest moulded part at 2 mm diameter with microstructure
- High precision plastic part is with  $\pm 0,025$  mm tolerance with engineering material
- High injection speed of up to 1000 mm/sec for thin wall



### Quality control capabilities

- We use all the metrology equipment for study on deviations and to keep quality under control
- Statical Process Control, Process study and optimisation is part of our control and improvement practice
- All process and operation are control to meet "do it right at the first time" policy
- Zero defects is one our Quality objective



### Contact

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