



# Presentation

Division Tool Shop



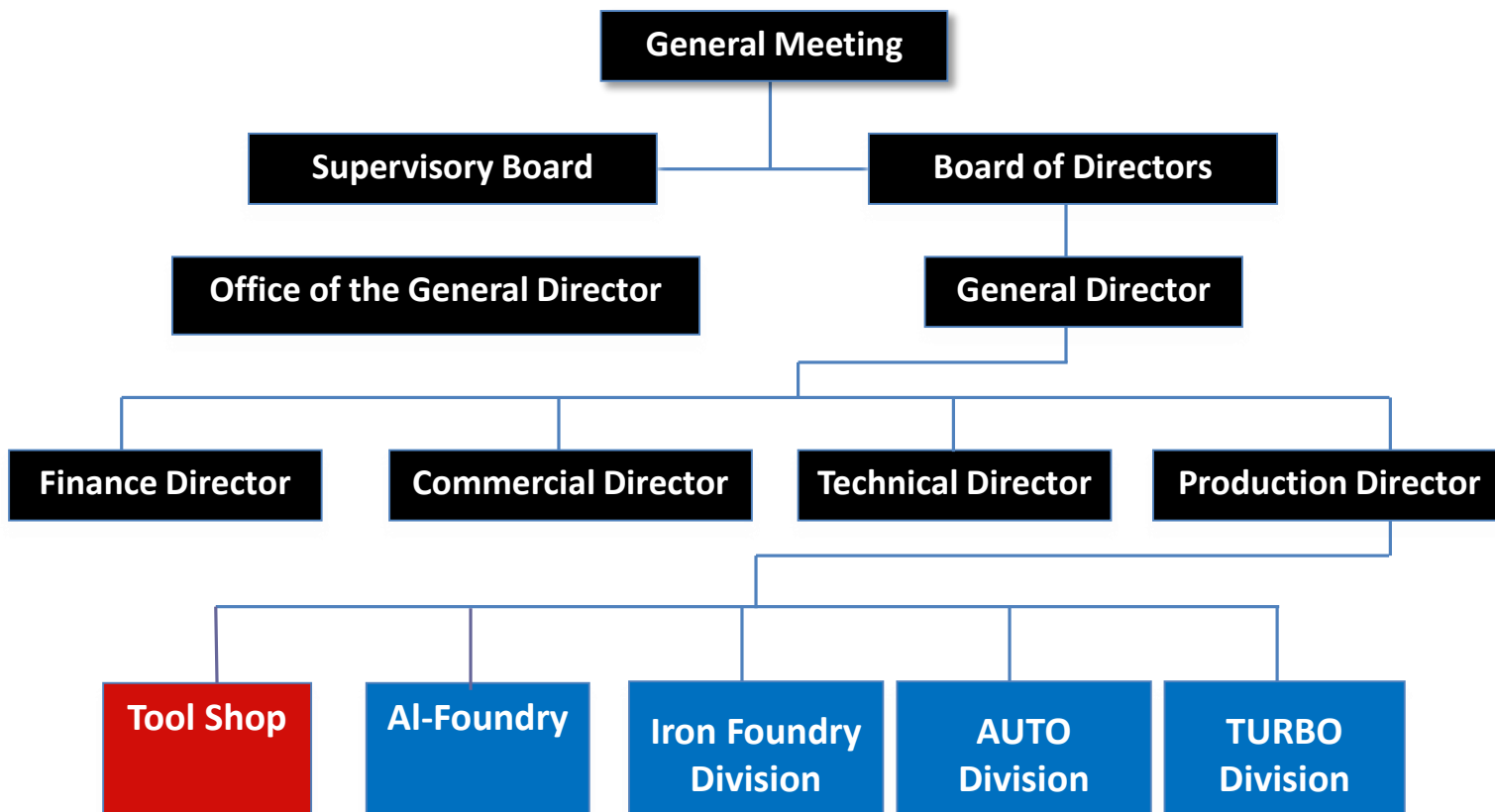
# History of ČZ a.s.

- 1919** Founded under the name Jihočeská zbrojovka
- 1923** Original production – small arms
- 1930** Production of bicycles
- 1931** Production of chains
- 1934** Production of tools
- 1935** Production of motorcycles
- 1954** Production of castings
- 1981** Production of turbochargers
- 1988** Production of gearboxes for Škoda-VW passenger cars
- 1993** Privatisation of the company – ČZ Strakonice, a.s.
- 1995** Joint Venture ČZ-TURBO-GAZ, Inc. in Russia
- 1999** Production of forklift trucks DESTA
- 2004** Takeover by principal shareholder ČZ a.s.





# Organisation Chart of ČZ a.s.



ČZ Řetězy, s.r.o.

ČZ Strojárna, s.r.o.

ČZ Gastro, s.r.o.

ČZ-TURBO-GAZ, Inc.

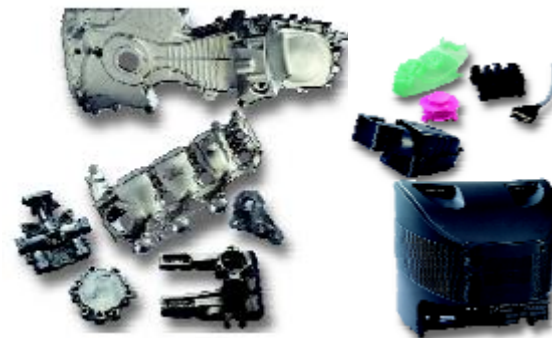
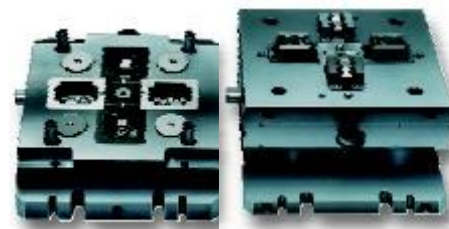


# History of Division Tool Shop

Thanks to long term tradition the tool production was gradually used for production of weapons, bicycles, motorcycles, chains and various automotive industry branches like for example production of moulds for gearbox castings and turbochargers.

The Tool shop division employs at the present 170 highly qualified employees with a long time professional experience.

- ✓ 8000 m2 of production area
- ✓ Modern PC equipment and machinery – apart of that a hardening line





# Tool Shop







# Tool Shop





# Production program - tools

## The main representatives of our machines:

- EDM machine
- Bridge type drilling machine
- Coordinate drilling machine
- Wire cut machine
- CNC machining centre
- Gun drilling machine
- CNC lathe
- Column type milling machine
- Radial drilling machine
- 3D measuring machine
- Optical measuring GOM
- Centre grinder
- Spotting press

## Technical possibilities

### Operation

- Lathe
- Peripheral grinding
- Flat grinding
- Milling 3D
- Milling 5D
- Wire cut machining
- EDM
- Gun drilling
- 3D measuring

### Maximal dimensions

- 400 x 695mm
- 420 x 1 000 mm
- 500 x 2 000 mm
- 1 600 x 1 600 mm
- 1800 x 2000 x 1100 mm
- 350 x 1000 mm
- 1600 x 1 000 mm
- 1 200 mm, D 3-24mm
- 1500 x 800 x 700 mm

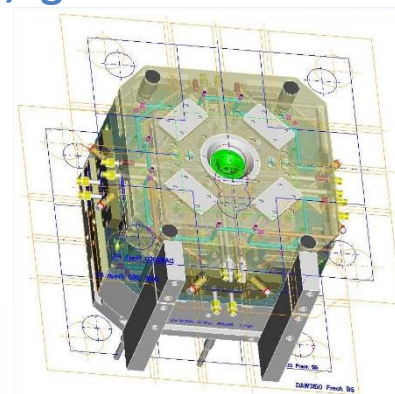
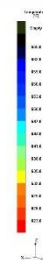
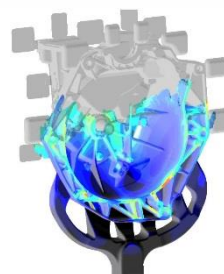
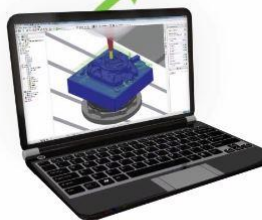
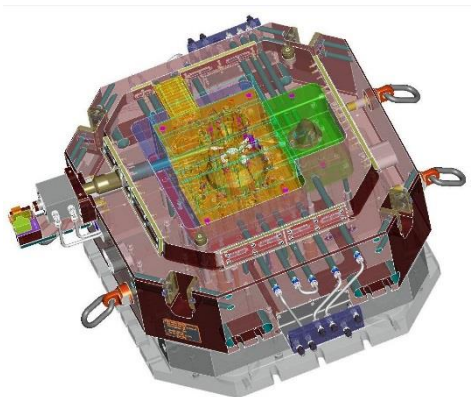




# Customer Service

- Just send us a drawing or a 3D model of the casting in the following data format and everything else will be arranged by us!

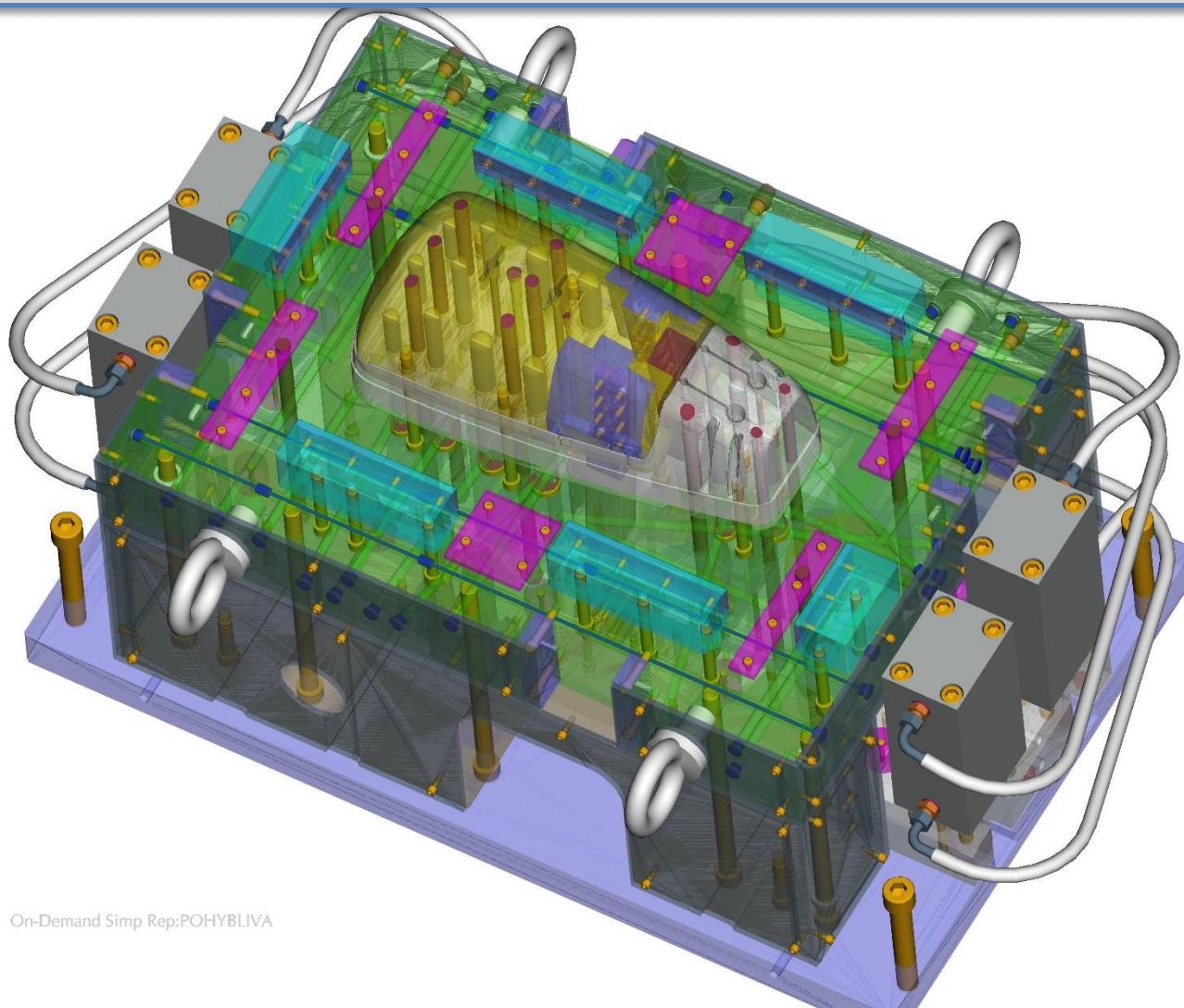
<u>CAD</u>	<u>VERSION</u>	<u>INTERFACE</u>
✓ CATIA V5	20	Catpart, model, igs
✓ Creo	8.0	prt, stp, igs
✓ VariCAD		dxf, igs, dwb







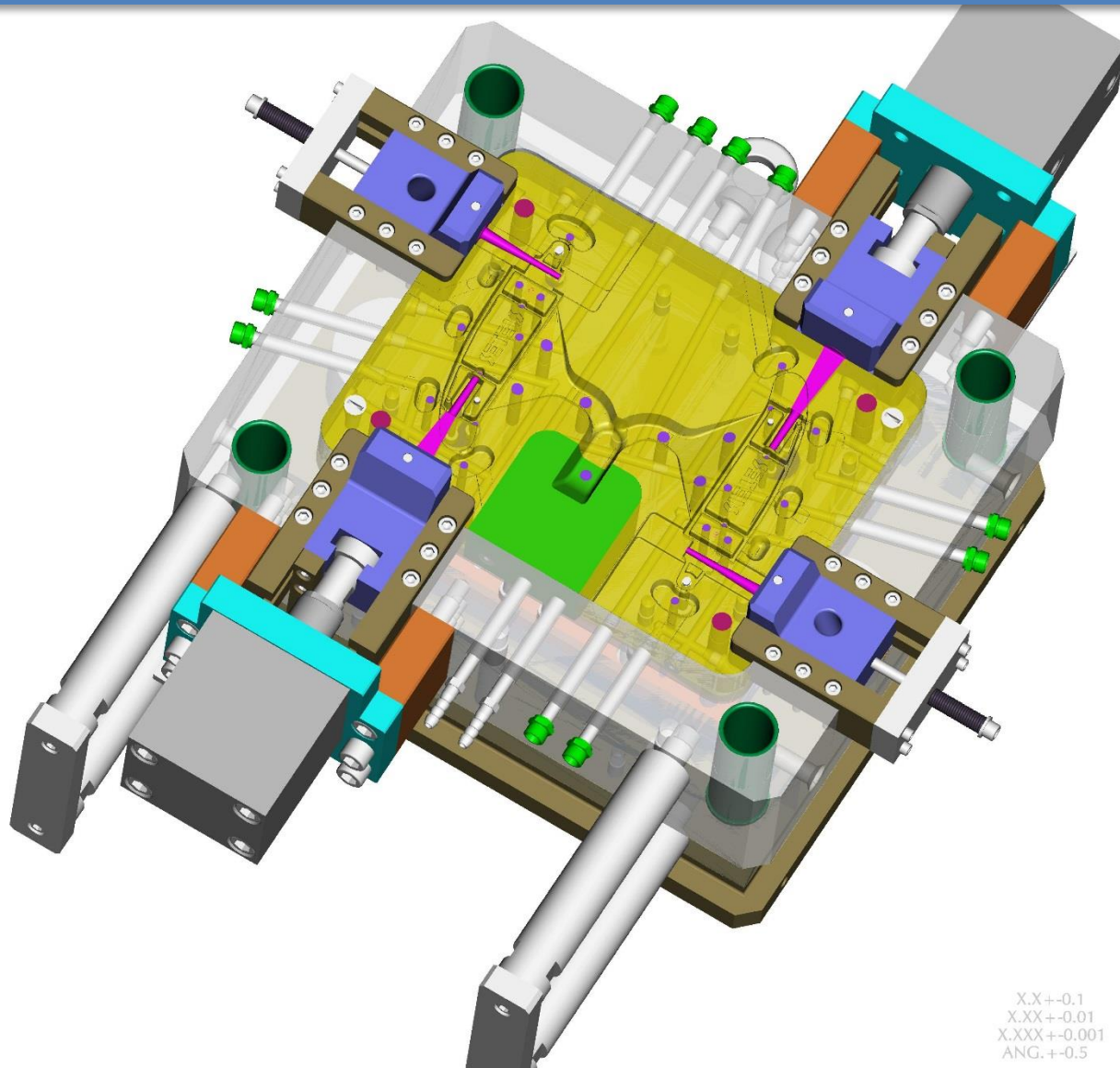
# Mold - construction



On-Demand Simp Rep:POHYBLIVA



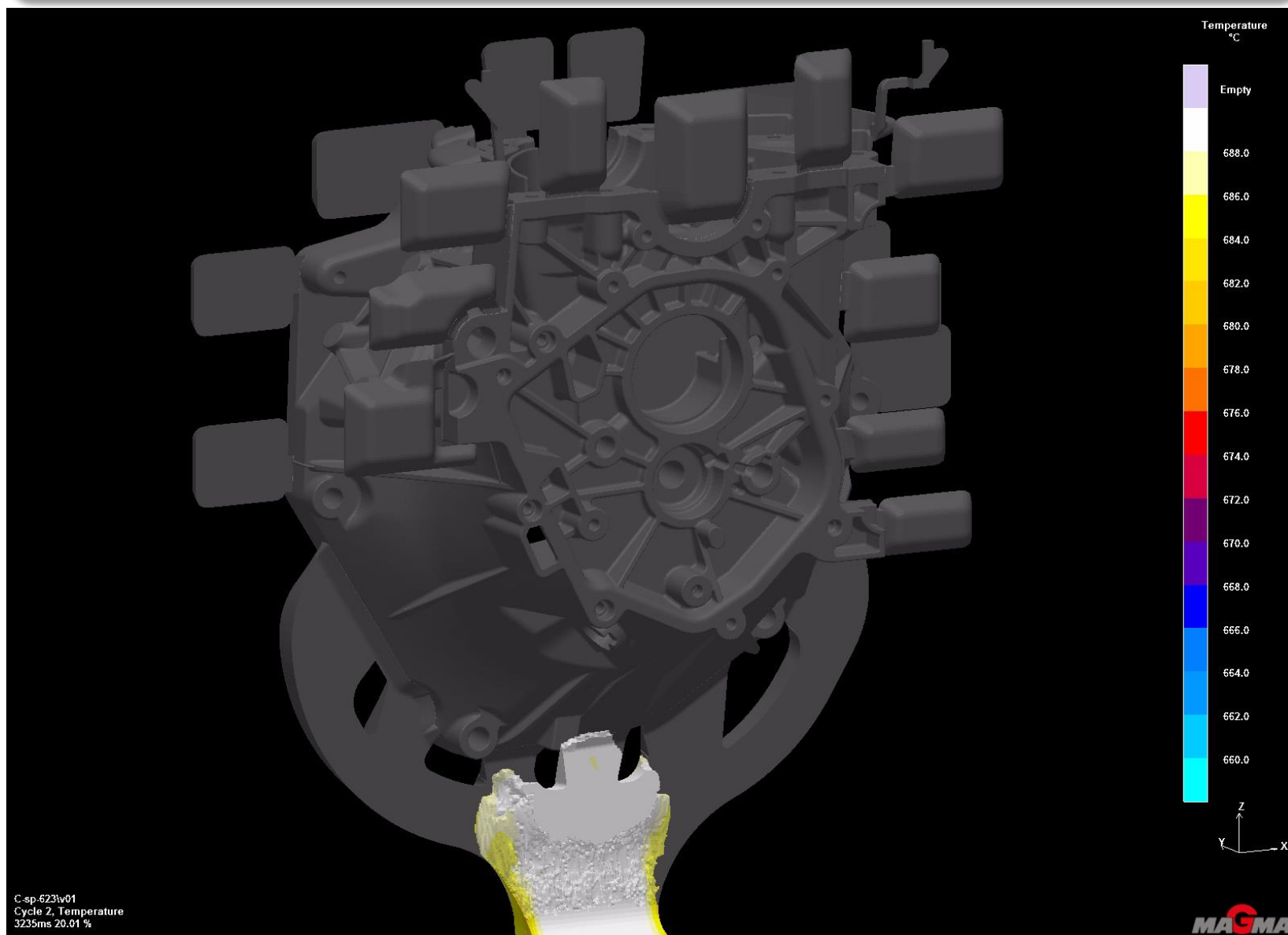
# Mold - construction



X.X+0.1  
X.XX+0.01  
X.XXX+0.001  
ANG. +0.5



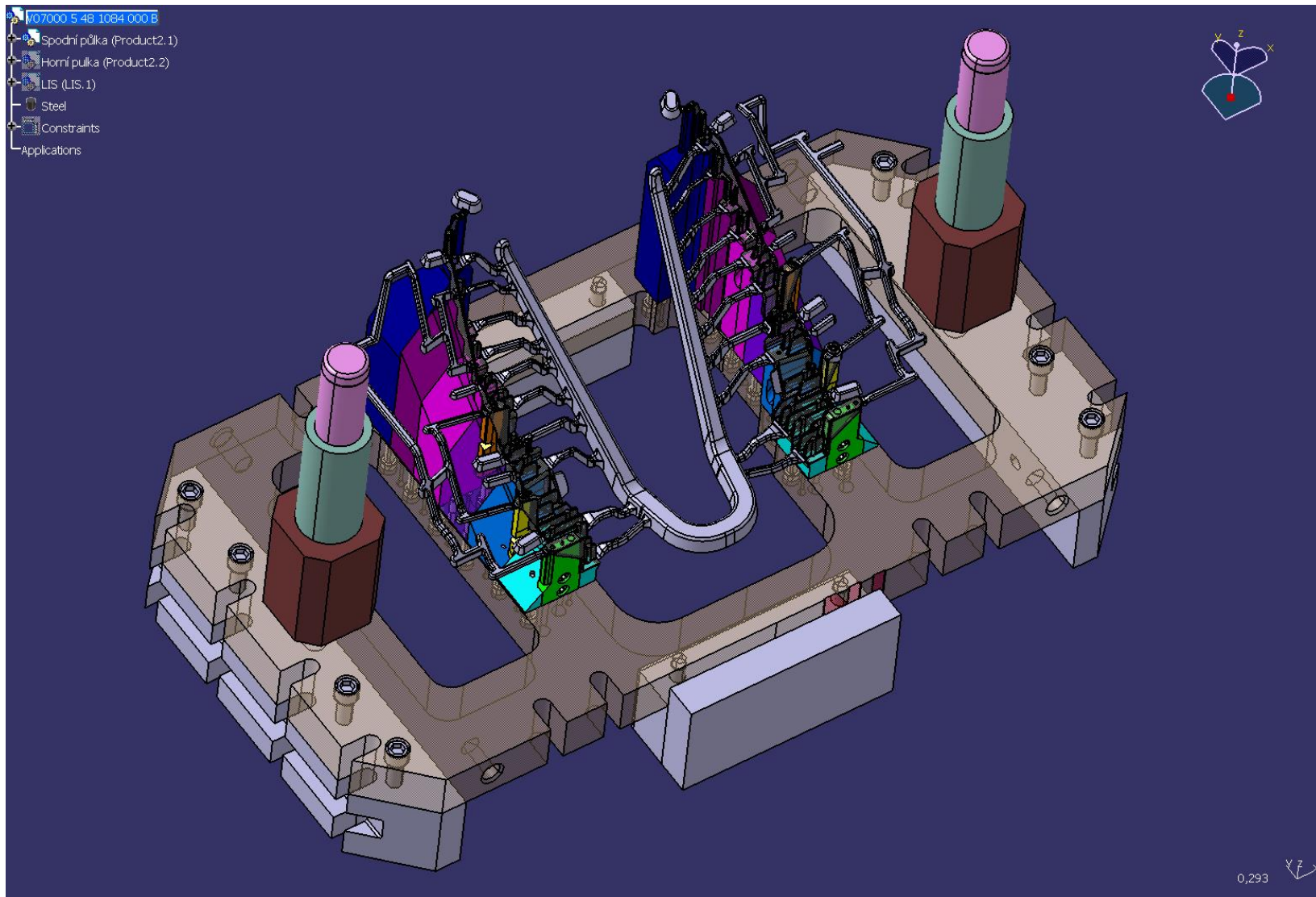
# Filling simulation







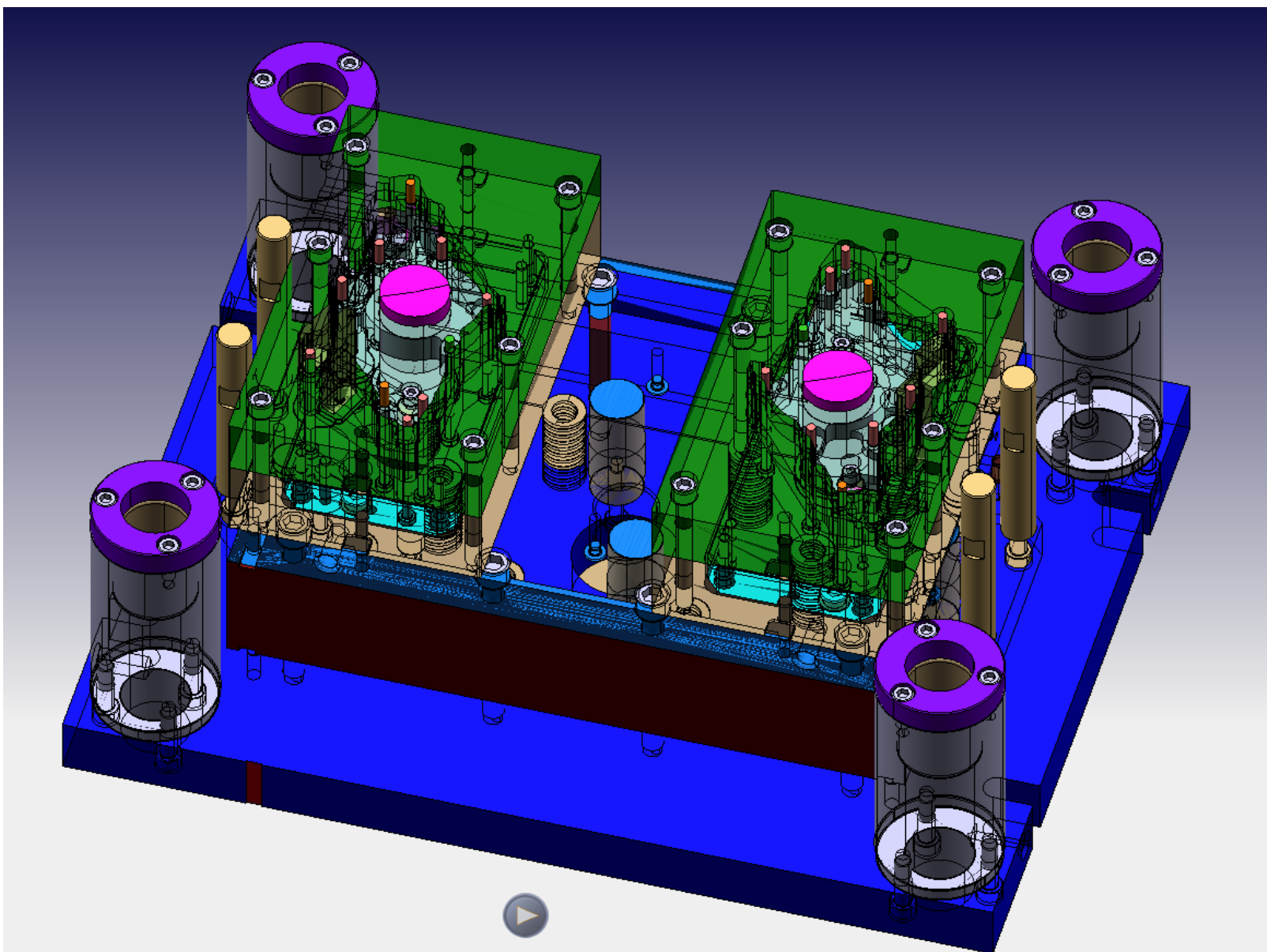
# Trimming tool





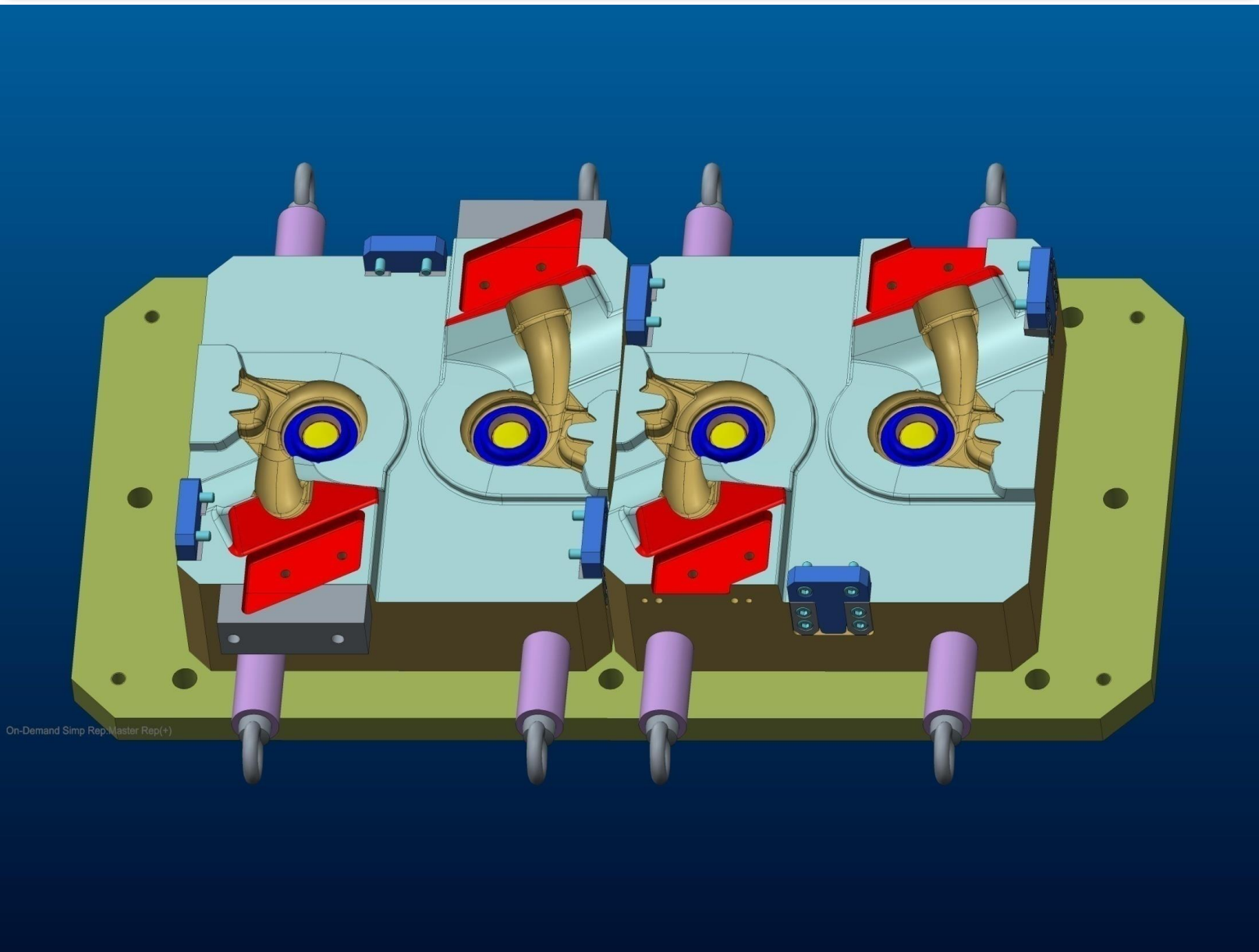


# Trimming tool



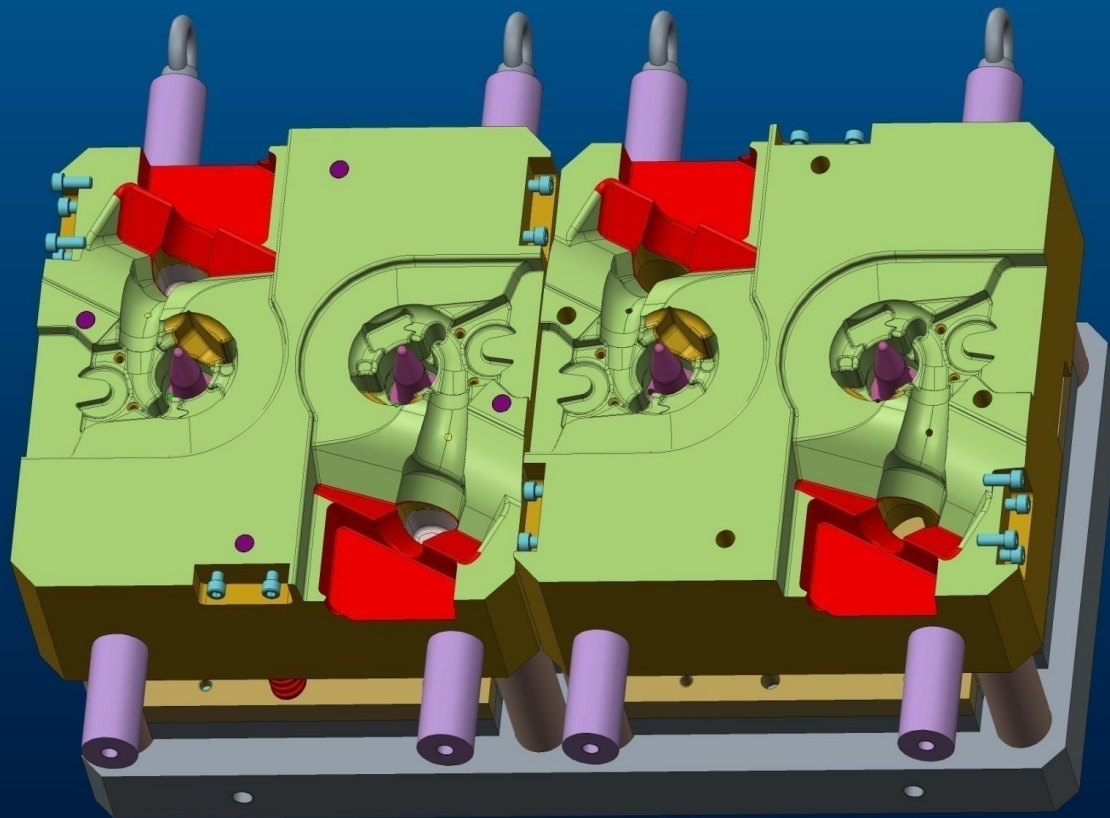


# Low pressure form





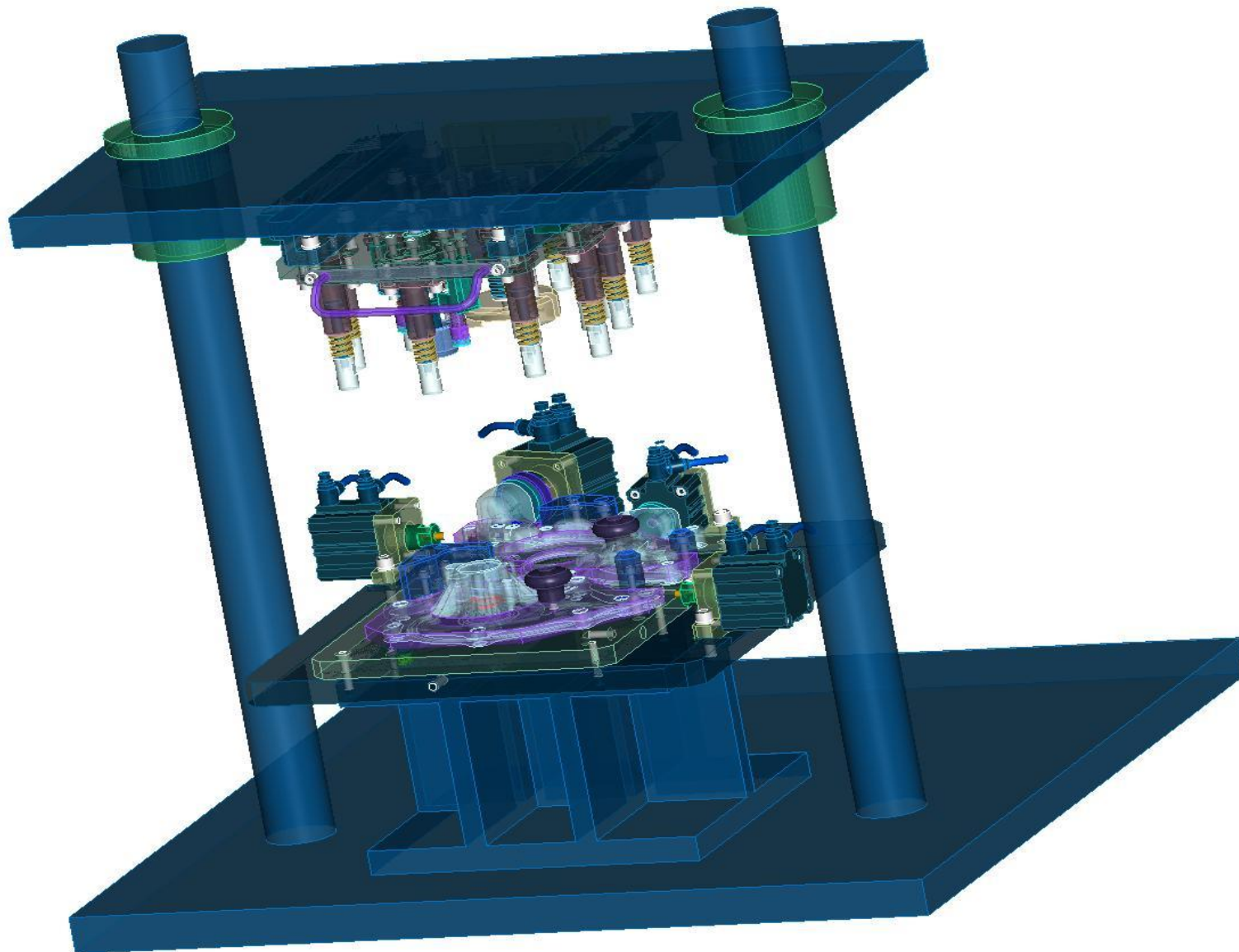
# Low pressure form



On-Demand Simp Rep.Master Rep(+)



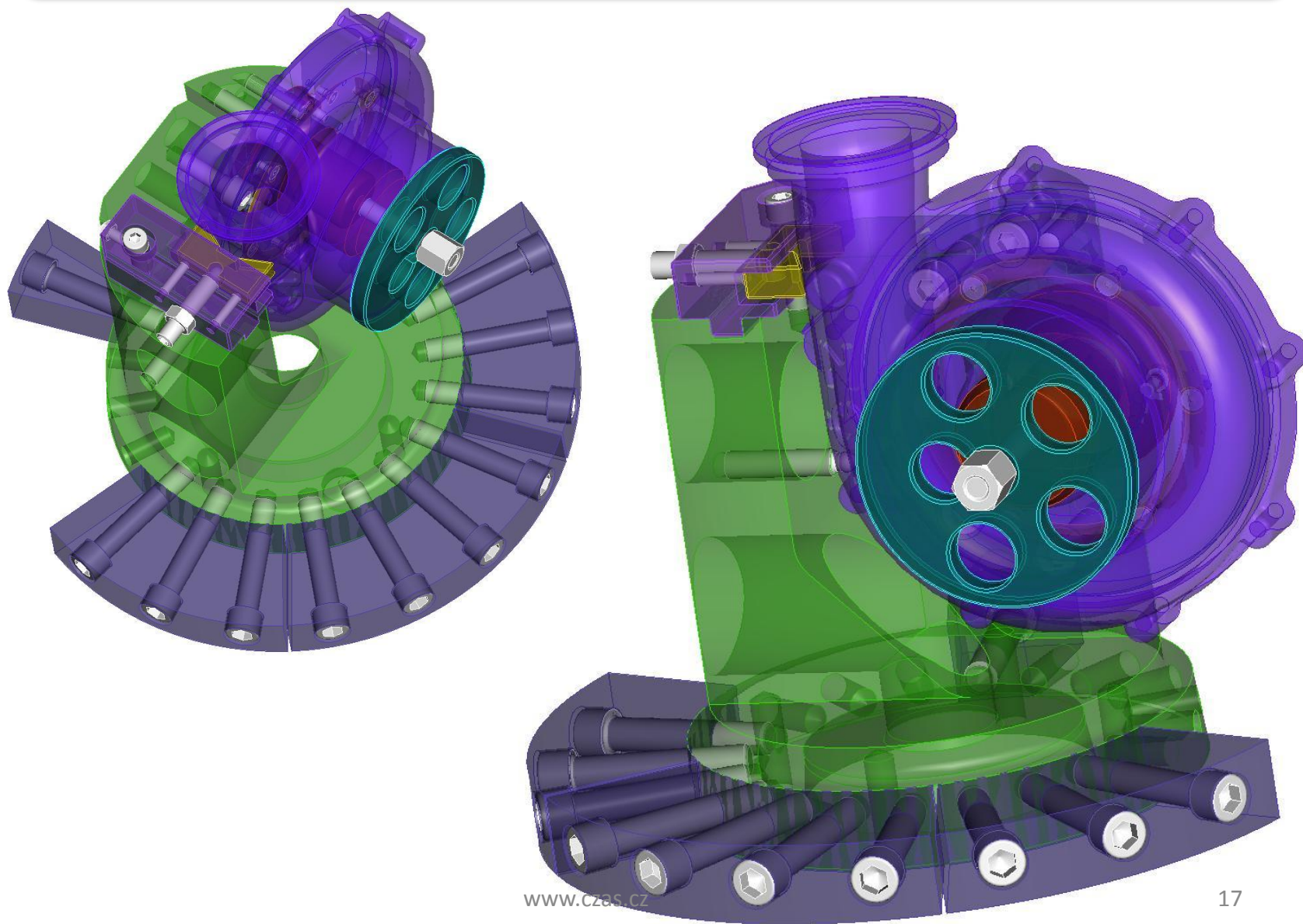
# Leak test





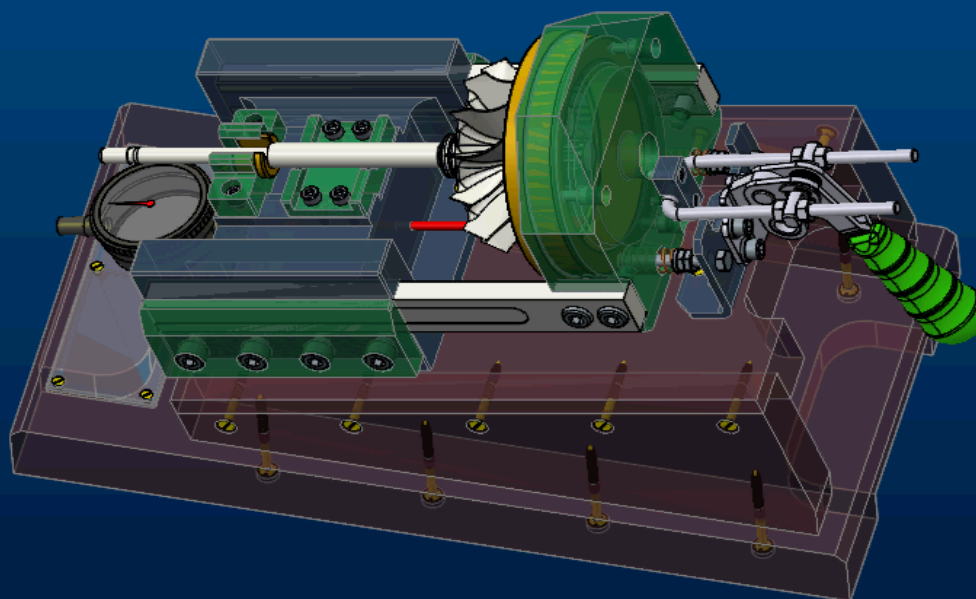


# Lathe tool





# Control preparation





# Certificates

- ČZ a.s., Division Tool Shop is certified according to:
  - ✓ ISO 9001:2015
  - ✓ ISO 14001:2004
  - ✓ Safe Enterprise
- In case of the customers interest CZ a.s. Tool Shop arranges the tools service during the complete lifetime.
- The major target of ČZ a.s. Division Tool Shop is the satisfied the customer, the permanent modernization and improvement of the production technologies







# Demonstration of die casting molds







Divize/Division  
Nástrojárna/Toolshop





# Reference

- ✓ Aisin Europe Manufacturing
- ✓ Aisan Industry Czech
- ✓ Aluprogess Strakonice
- ✓ ALW INDUSTRY Czech
- ✓ BISO – Keibel
- ✓ BONTAZ CENTRE Czech
- ✓ DYTRON EUROPE Czech
- ✓ DURA Automotive Czech
- ✓ Faurecia Automotive
- ✓ HDO Germany
- ✓ IBV HUNGÁRIA
- ✓ JTEKT Czech
- ✓ JOPP Automotive Czech
- ✓ Motor Jikov Group
- ✓ RAVAK
- ✓ ŠKODA AUTO
- ✓ ŠKODA MACHINE TOOLS
- ✓ OKAYA EUROPE GmbH



# Address

- Company head office:

ČZ a.s.

Praha 5, Sluneční náměstí č. p. 2540/5

PSČ: 158 00

IČO: 25181432

Company is registered in the Commercial register at  
Prague's city court

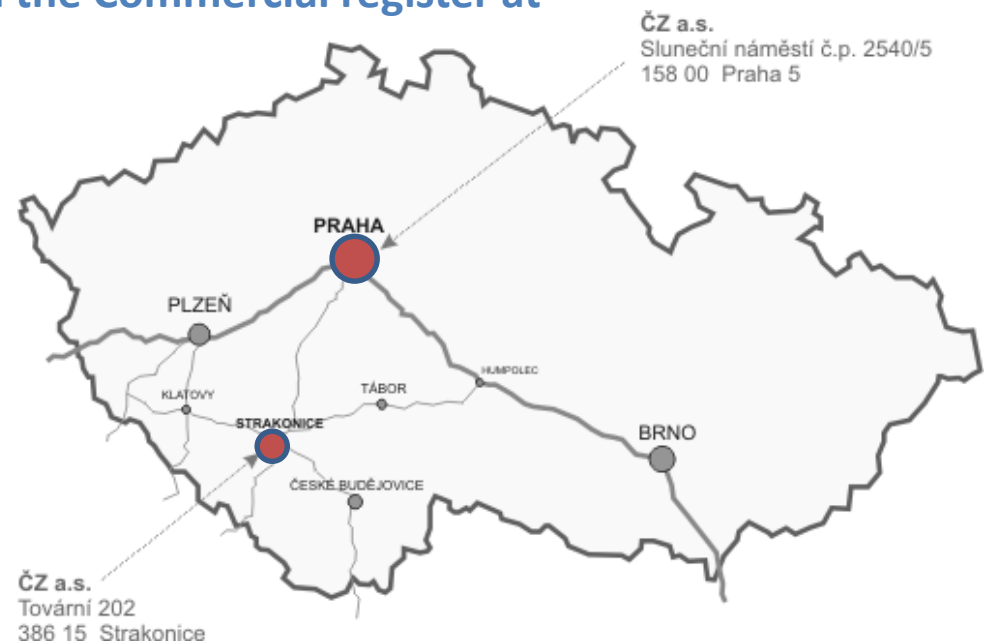
- Production Plant:

ČZ a.s.

Division Tool Shop

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CZ-386 15 Strakonice





# Contact

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