



Divize
Auto



Presentation

Division Auto



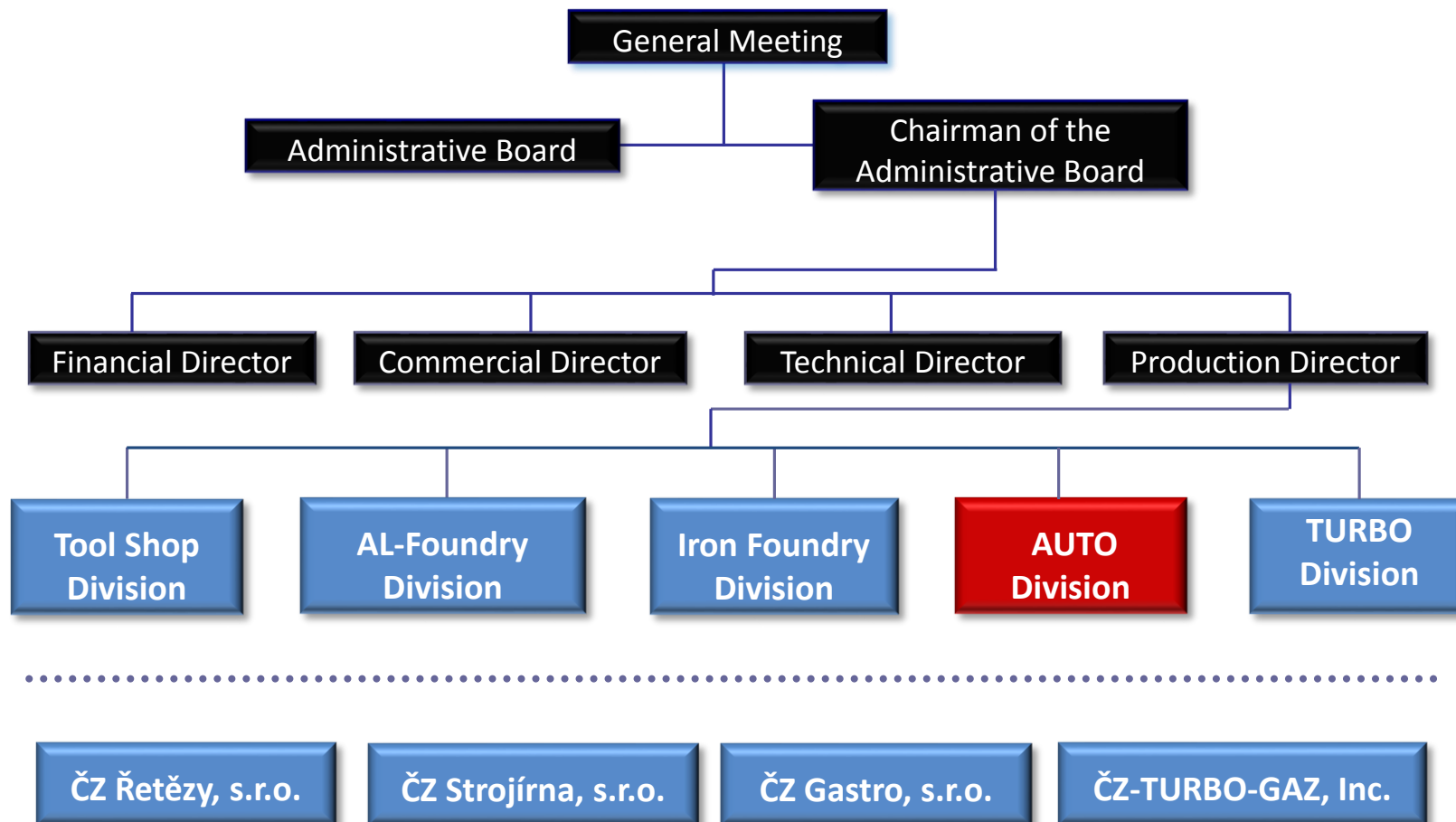
History of CZ a.s.

- 1919** Founded under name Jihoceska 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 Skoda - VW passenger cars
- 1993** Privatization of the company - CZ Strakonice, a.s.
- 1995** Joint Venture CZ-TURBO-GAZ, Inc. in Russia
- 1999** Production of forklift trucks DESTA
- 2004** Takeover by principal shareholder CZ a.s.





Organization chart





History of ČZ Divize Auto

ČZ Division Auto was found in **1976** as the manufacturer of components for automotive industry.

Products:

- Transmissions for trucks **Praga V3S and S5T**
- Crankshafts for trucks **Tatra and Praga**
- Brake drums for trucks **Tatra and Praga**
- Cylinder heads and complete clutch mechanism for trucks **Avia**
- Driving components for buses **Karosa**
- Transmissions for passenger cars **Škoda**

2003 – End of transmission manufacture ➡ Completely manufacture reorganization ➡ Substitution of the original production devices by some modern machining centres and lathes ➡ **Manufacture of components for automotive industry**



History of ČZ Divize Auto

ČZ Divize Auto since 2003

- 2003** Start of machining of covers for water and oil pumps for AISIN
- 2004** Machining of bearings and turbine boxes for HONEYWELL GARRET
- 2006** Machining of bearings and turbine housings for ČZ Turbo Division
- 2009** Machining of transmission parts for final customer Stellantis (FIAT)
- 2012** Machining of valve covers for JOHN DEERE engines
- 2016** Machining of industrial switches SIEMENS for TE
- 2018** Machining of transmission parts for final customer DAIMLER - MERCEDES
- 2019** Machining of control unit covers (ECU) for final customer DAIMLER and DACIA



Quality

Certificates

- ✓ IATF 16949
- ✓ ISO 14001
- ✓ Base Enterprise



- ✓ Tradition
- ✓ Flexibility
- ✓ Experience

- ✓ Accuracy
- ✓ Cleanness
- ✓ Technical support

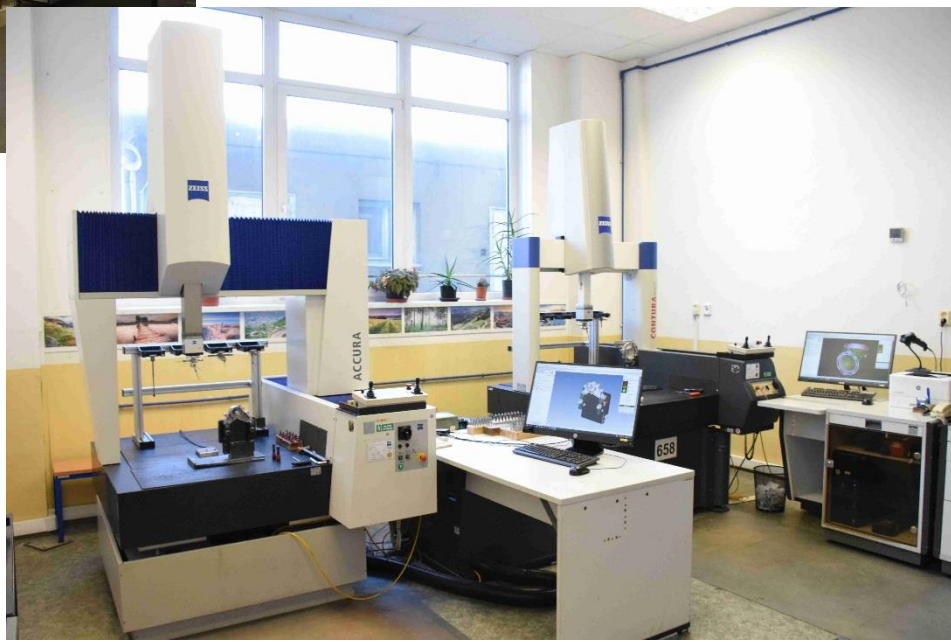
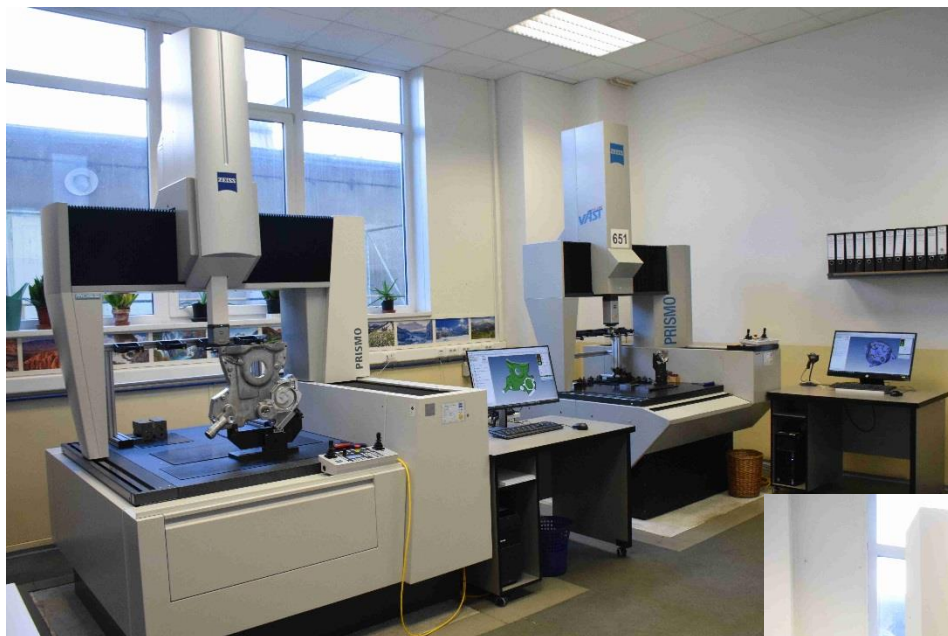


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Quality support

✓ 3D equipment ZEISS CONTURA, ACCURA, PRISMO

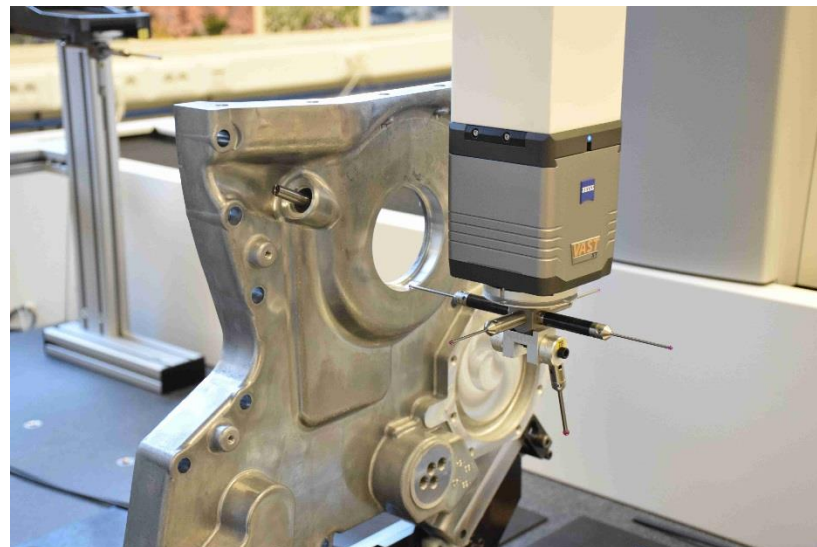
4x





Quality support

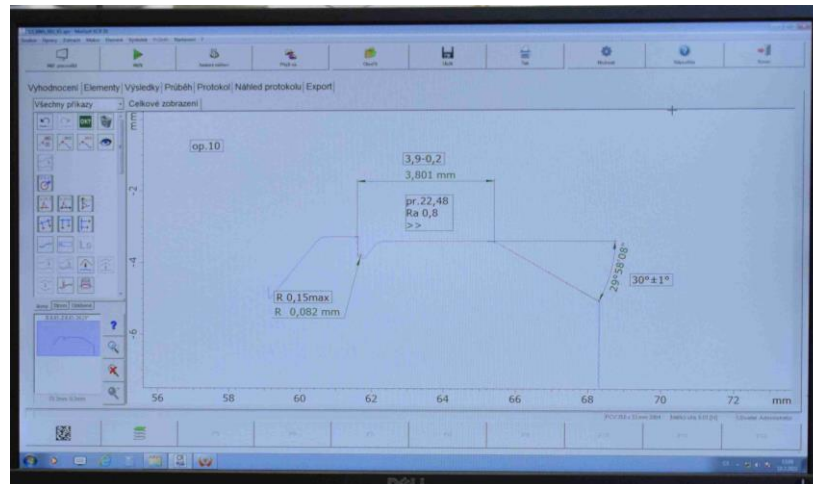
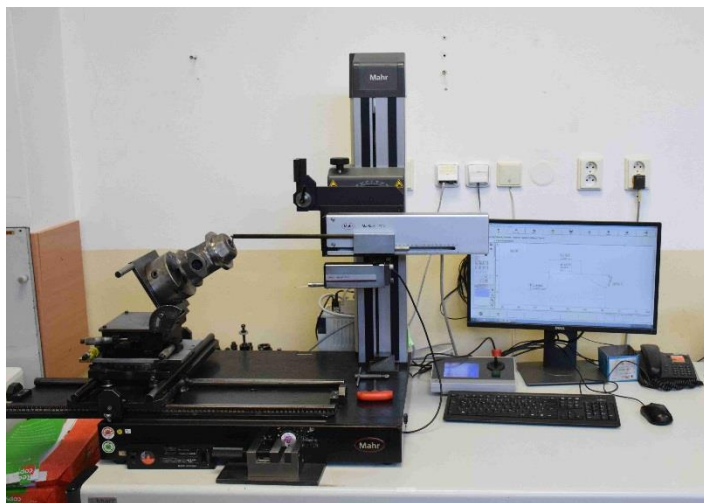
ZEISS PRISMO, date of acquisition 2021





Quality support

- MAHR (profilo-meter, roughness-meter)



✓ Accredited test rooms & laboratories CZ

- ✓ mechanical laboratory
- ✓ metallographic laboratory
- ✓ chemical laboratory



✓ Accredited Calibration Services CZ

- ✓ length
- ✓ plane angle
- ✓ time
- ✓ torque
- ✓ pressure



Precise engineering production

✓ **Machining of components for:**

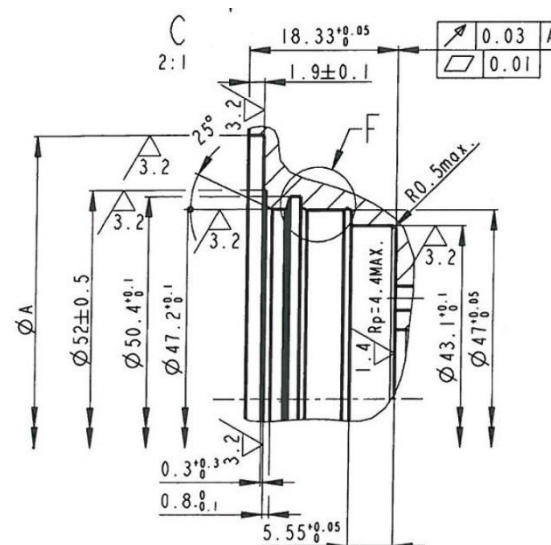
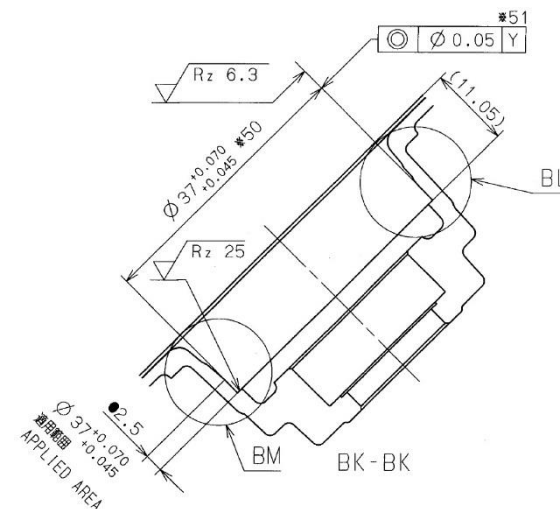
- ✓ automotive industry
- ✓ commercial vehicles
- ✓ electro-technical industry
- ✓ etc

✓ **Technology:**

- ✓ turning
- ✓ milling, drilling, threading
- ✓ honing
- ✓ stamping, leak tests, assemblies
- ✓ washing
- ✓ laser & micro punch marking

✓ **Materials:**

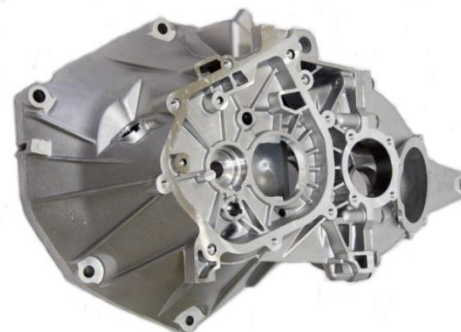
- ✓ aluminum alloy
- ✓ grey iron
- ✓ nodular iron, SiMo





Products

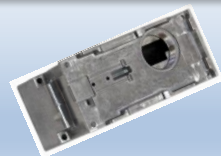
Automotive industry



Components for commercial vehicles engines



Electro – technical industry





Machinery park

✓ Leading-edge CNC technology – productivity, accuracy, reliability

- ✓ milling centers **CHIRON DZ 15W Magnum** 4x
- ✓ vertical turning centers **FAMAR PRONTO 6** 6x
- ✓ horizontal milling centers **MAKINO J3** 2x
- ✓ vertical milling centers **CHIRON MILL 2000** 2x

Max accuracy
up $\pm 0,001$ mm

Automatic
loading

High-speed /
high-volume
production

✓ Vertical & horizontal CNC turning centers (Scherer, Famar, SP30)

✓ Vertical & horizontal CNC milling centers (Chiron, Deckel Maho, Stama, Doosan ...)

✓ Honing (Sunnen, Gehring)

Standard
tolerance
 $\pm 0,01$ mm

✓ Special single-purpose machines

Cylindricity
 $\pm 0,001$ mm

- ✓ Leak-test equipments & laser marking
- ✓ Industrial washing machines
- ✓ assembly



Aluminum / machining

- Leading-edge technology



MAKINO J3, date of acquisition 2018





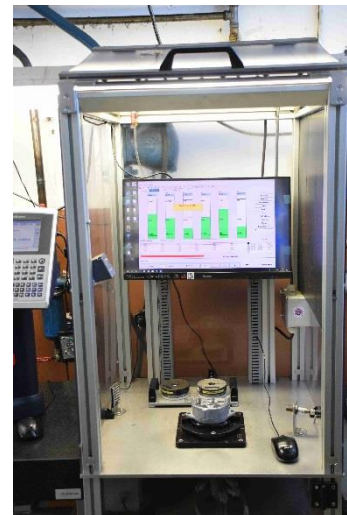
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Aluminum / machining

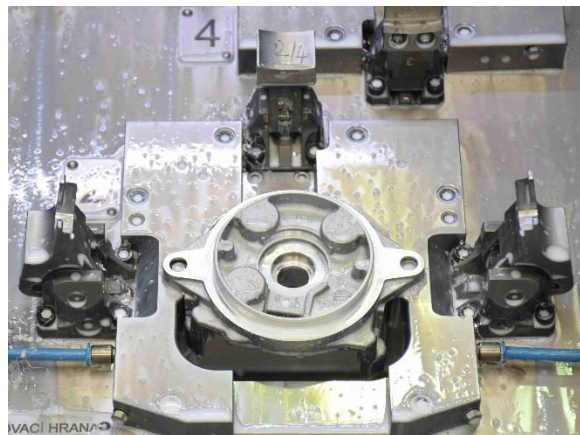
Chiron DZ15W Magnum, date of acquisition 2018



Air gauges



4 clamping points / 2 pallets / machine



2- spindle machining center



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Aluminum / machining

Single-purpose brushing machine ČZ Strojírna



Leak test equipment ČZ Strojírna





Aluminum / machining

FAMAR PRONTO 6



Industrial washing machine LPW Power Jet



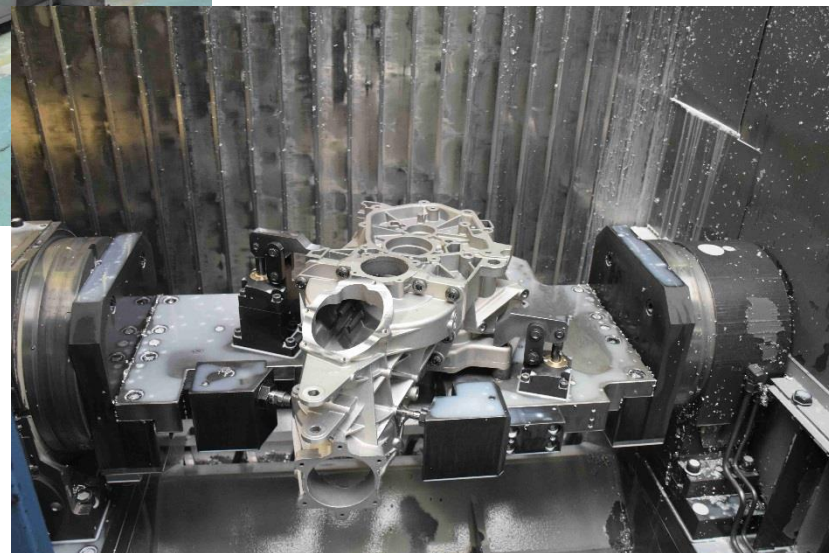
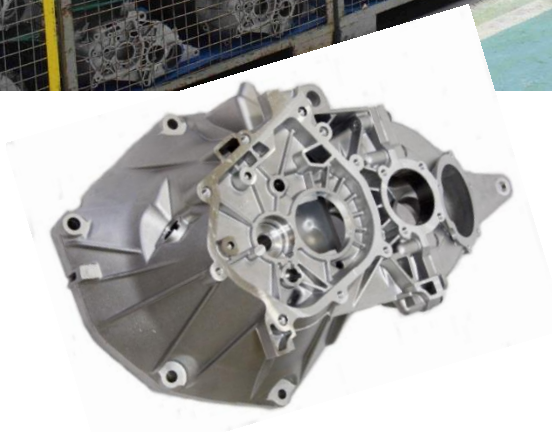
Automatic loading



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Aluminum / machining

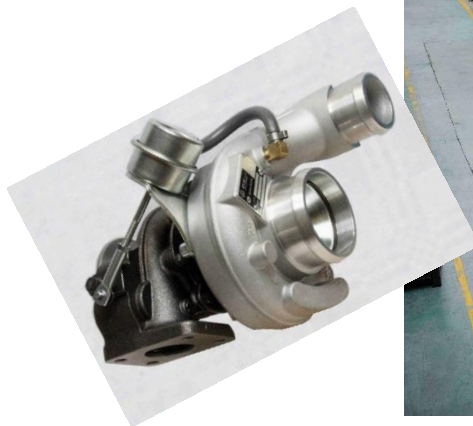
Chiron Mill 2000





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Iron / machining



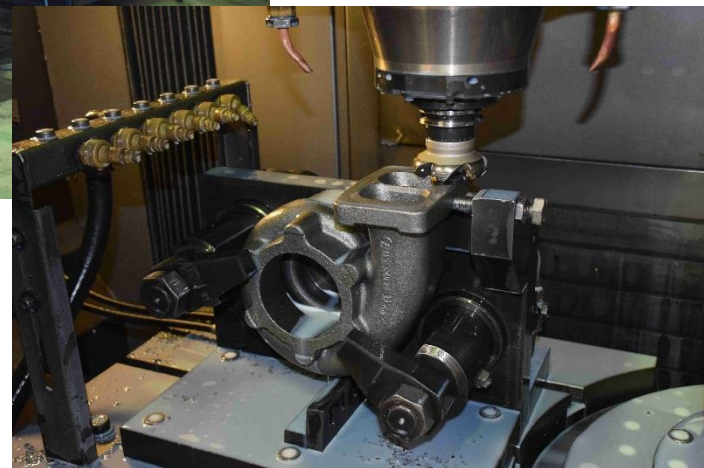
More than 40 vertical and horizontal machining tools for turning and milling of bearing and turbine housings for ČZ TURBO



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Iron / machining

Chiron Mill 2000 – machining of turbine housing

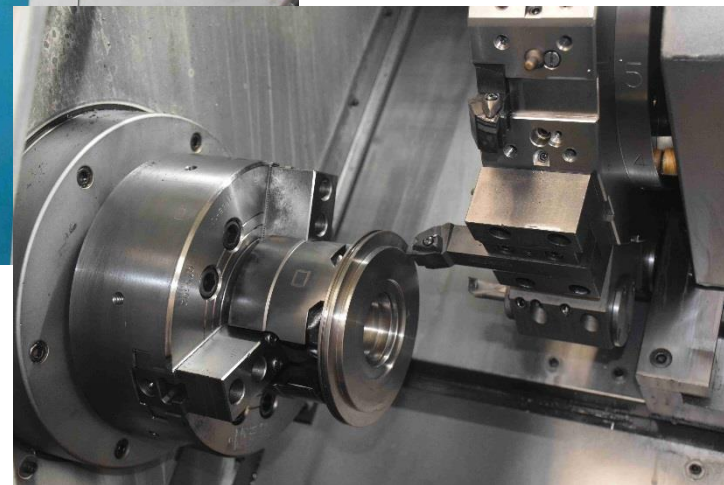




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Iron / machining

Turning machine SP 30 CNC CZ.TECH – machining of bearing housing, date of acquisition 2021





REFERENCES





Where we are

● Headquarters:

CZ a.s.

Slunecni namesti 2540/5

158 00 Praha 5

GPS: 50,050537 ° N
14,3420461 ° E

● Production plant:

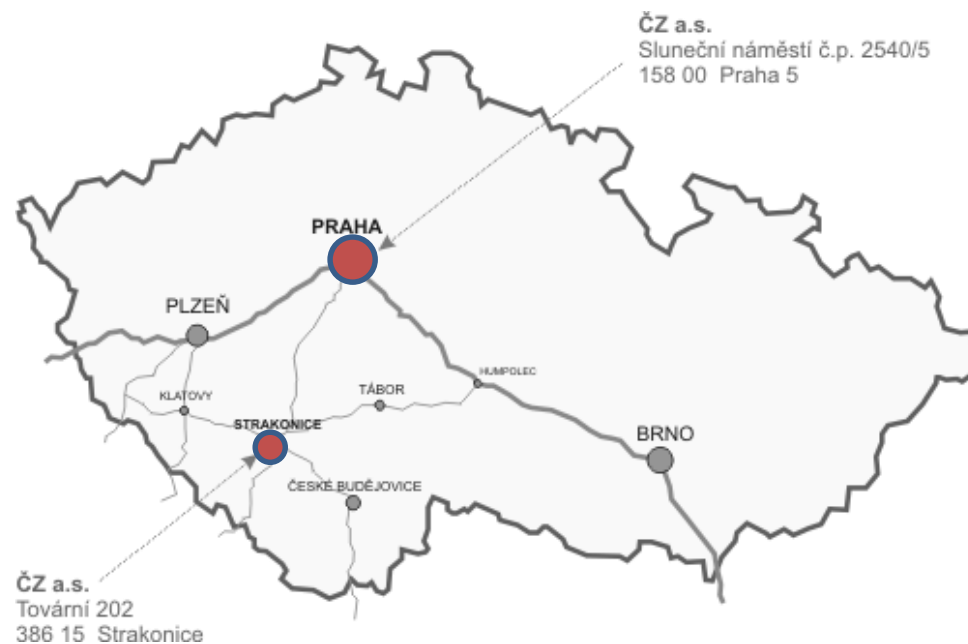
CZ a.s.

Divize Auto

Tovarni 202

386 15 Strakonice

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13,9079304 ° E



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