



ČZ a.s.

PRESENTATION



LOCATION IN EUROPE

● Company Head Office:

ČZ a.s.

Sluneční náměstí 2540/5

CZ-158 00 Praha 5

GPS: 50,050537 ° N

14,3420461 ° E



● Production Plant:

ČZ a.s.

Tovární 202

CZ-386 15 Strakonice

GPS: 49,2534136 ° N

13,9079304 ° E



HISTORY

- 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.
- 2019** 100 year anniversary





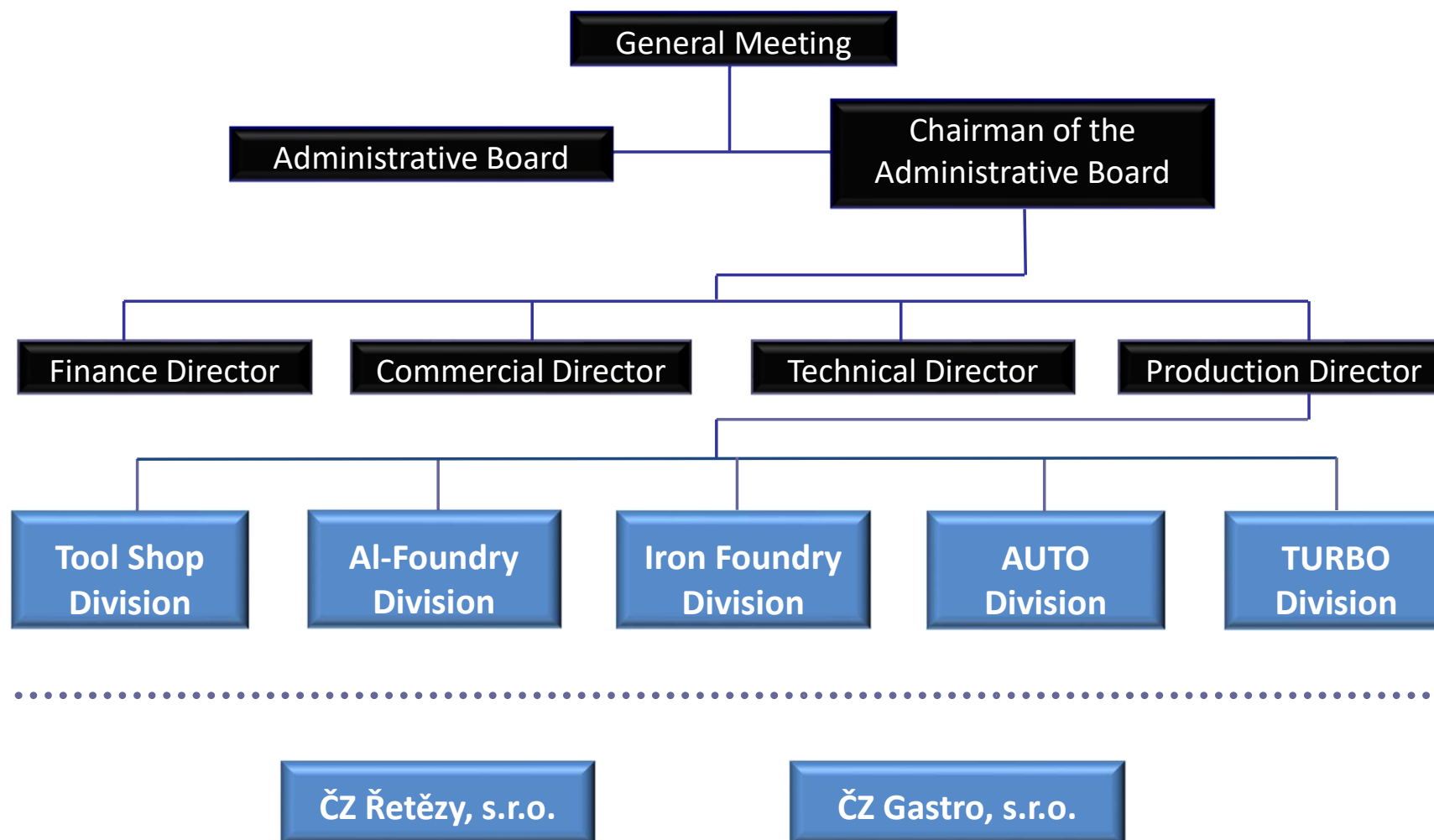
COMPANY PROFILE

	2018	2019	2020	2021	2022	2023
Gross Sales [mil. EUR]	64.1	61.4	52.4	51.5	54.8	54.4
Domestic Sales [mil. EUR]	26.1	24.2	22.1	19.7	19.4	22.4
Export [mil. EUR]	38.0	37.2	30.3	31.8	35.4	32.0

Number of Employees (without Ltd.):	763
Total Area:	500 000 m ²
Floor Area:	160 000 m ²
Ownership Structure:	100% ČZ a.s.

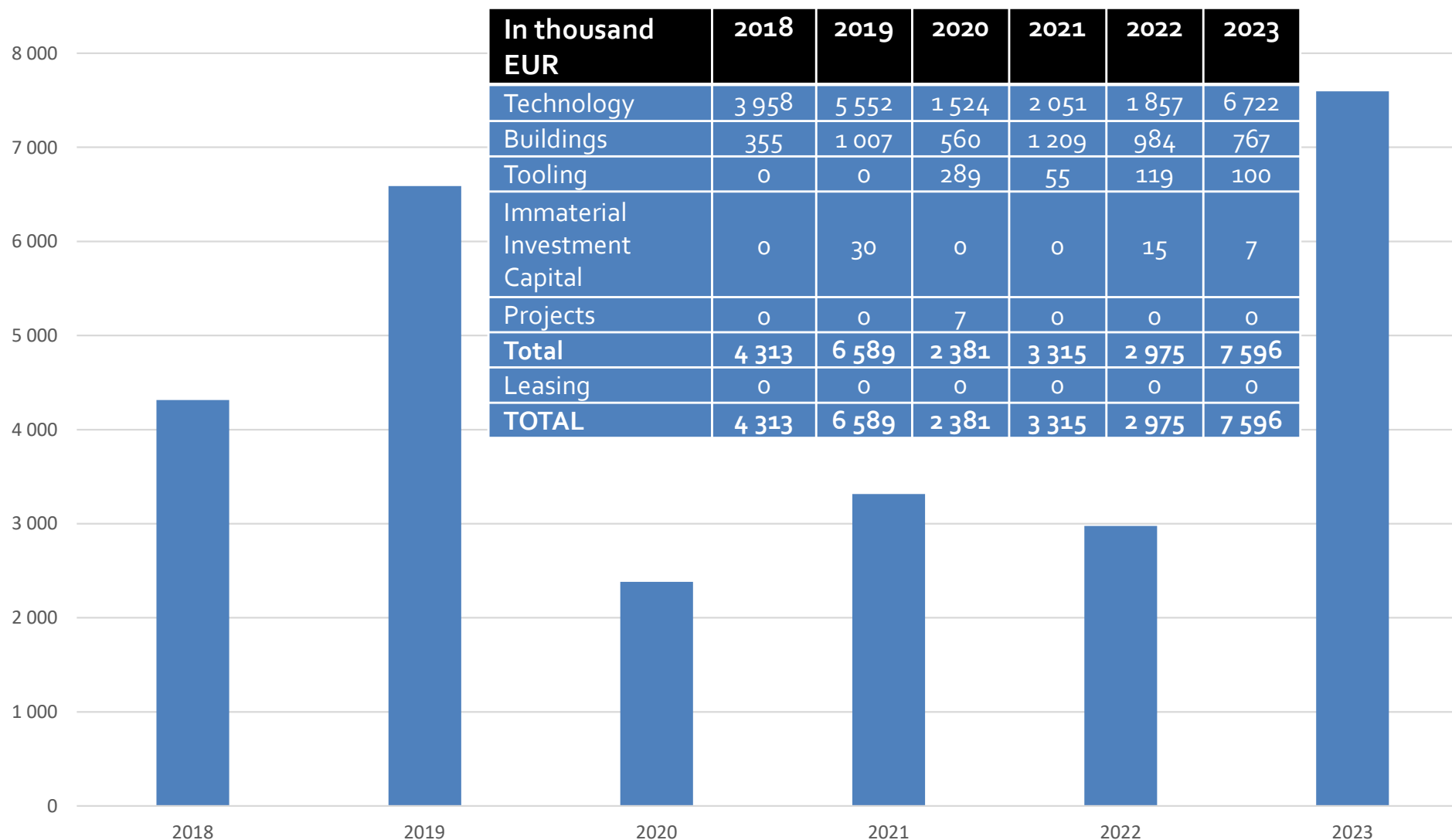


ORGANIZATION CHART





INVESTMENTS





DIVISION TOOL SHOP

- Moulds for pressure castings of Al and Zn alloys
- Moulds for thermosets (Prepreg, SMC)
- Patterns for grey and nodular cast iron
- Machining fixtures, measuring gauges, calibers, spare parts
- Number of employees 122

REFERENCES

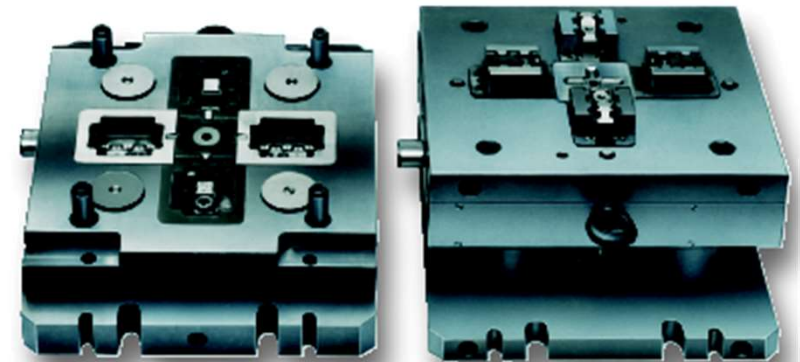
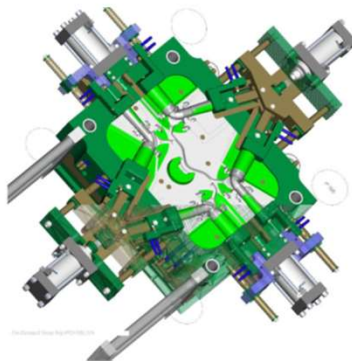
- Aisin, Aisan, ALW, Aluprogres, BRISK, DYTRON, Faurecia, HDO GmbH, Innomatics, JOPP, JTEKT, Kovolis, Kovolit, Kunzmann, RAVAK, ŠKODA Auto, Toyota

QUALITY

- Certification according to ISO 9001

PRODUCTION FACILITIES

- CNC machines 3 & 5-axis
- CNC lathes
- Electro-erosive machining
- Grinding, milling, deep drilling
- Tooling assemblies, repairs
- Own design office, CAD-CAM
- CMM measuring, optical scanner





DIVISION ALUMINUM FOUNDRY

- Production of high pressure die castings: DIN226/EN-AB46000/AlSi9Cu3(Fe)
DIN231/EN47100/AlSi12Cu1(Fe)
- Production of low pressure die castings: LM22/EN-AB-45400/AlSi5Cu3
- Annual capacity 3 000 t
- Number of employees 106

REFERENCES

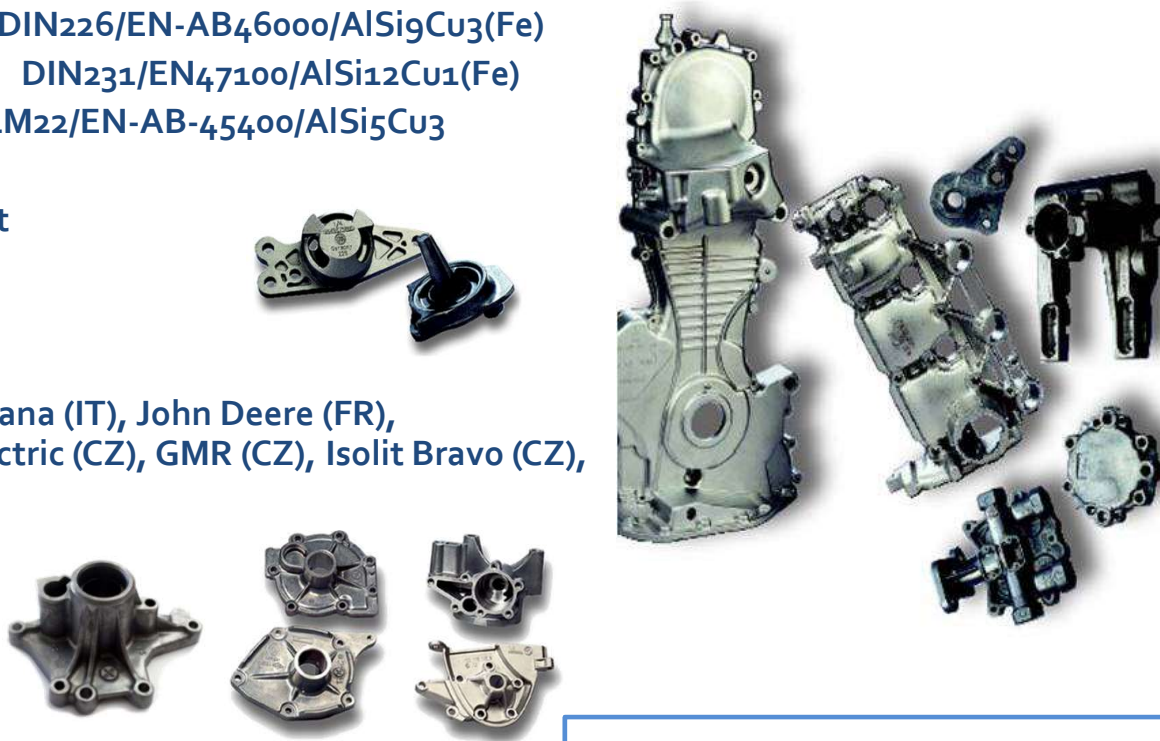
- Aisin (CZ), ALW (CZ), Aluprogres (CZ), Dana (IT), John Deere (FR), Mubea (CZ), Inproma (CZ), Mitsubishi Electric (CZ), GMR (CZ), Isolit Bravo (CZ), PSP Pohony (CZ), Tyco Electronic (PL)

QUALITY

- Certification according to IATF 16949

PRODUCTION FACILITIES

- Melting gas furnaces STRIKO (2x) and electric furnaces ELSKLO (2x)
- De-gassing equipment
- Manually operated or fully automatic machines CLH 400, CLH 630 (5x), FRECH 800, CLD 1600 (locking force)
- Low pressure casting machine BPS 650 SX (3x) – produced by LPM Italy
- Continuous line for heat treatment T4 & T6
- Trimming presses (range 8t – 60t), tumbling and blasting equipment, hand-finishing, visual inspection





DIVISION IRON FOUNDRY

- Casting of grey and nodular cast iron including SiMo, weight 1 – 10 kg
- New automatic moulding line Disamatic D1 with core-setter
- Shell molding (Croning method)
- Annual capacity 4 000 t/year
- Number of employees 105

REFERENCES

- Divisions in ČZ Group (AUTO, TURBO)
- Motorenfabrik HATZ – Germany
- Kaeser Kompressoren – Germany

QUALITY

- Certification according to ISO 9001 and VDA 6.1

PRODUCTION FACILITIES

- 2x modern electric melting furnaces, moulding line Disamatic D1, semi-automatic pouring line FDC
- Production of shell moulds and cores on special Hottinger and Shalco machines
- Blasting machines, manual grinding





DIVISION AUTO

- Machined engine components made of iron and aluminium
- Basic technologies: turning and milling
- Number of employees 127

REFERENCES

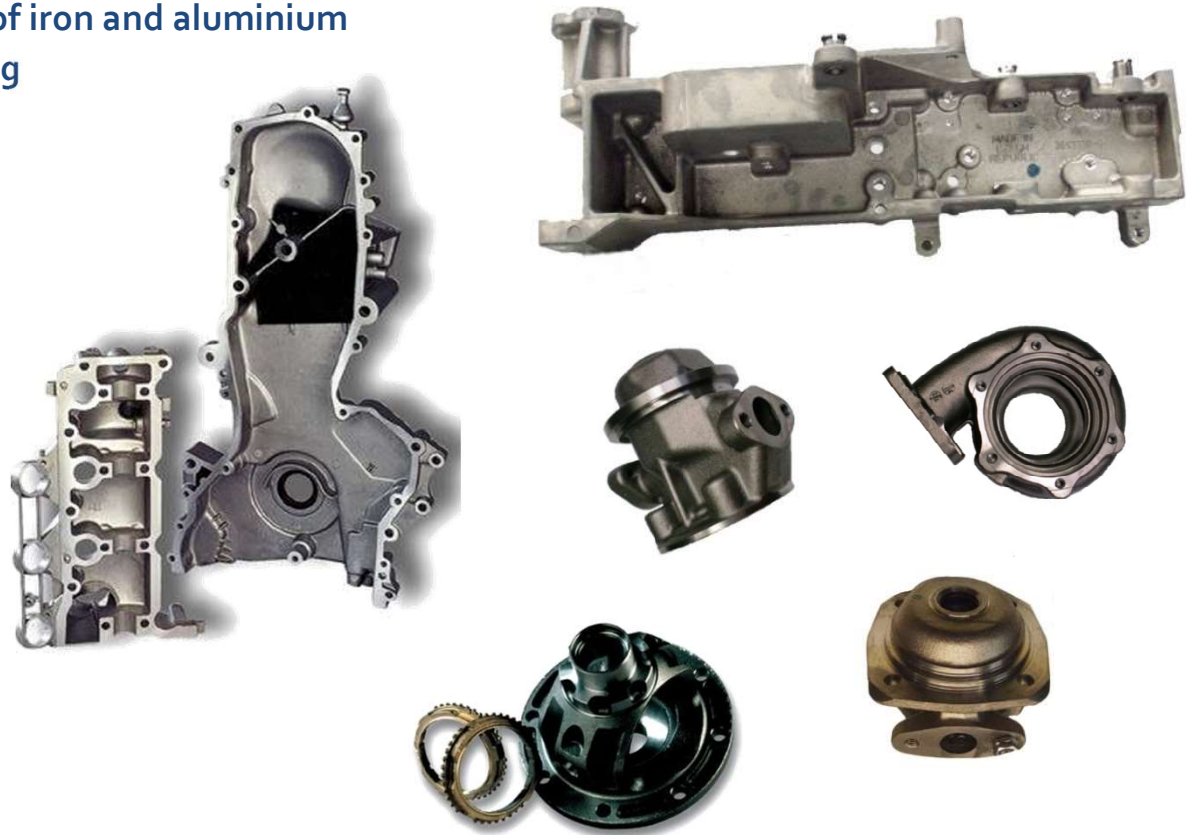
- ŠKODA-Auto - CZ
- MITSUBISHI ELECTRIC - CZ
- AISIN - CZ
- Division TURBO - CZ
- Dana Graziano - Italy
- John DEERE - France
- Tyco electric - Poland

QUALITY

- Certification according to IATF 16949

PRODUCTION FACILITIES

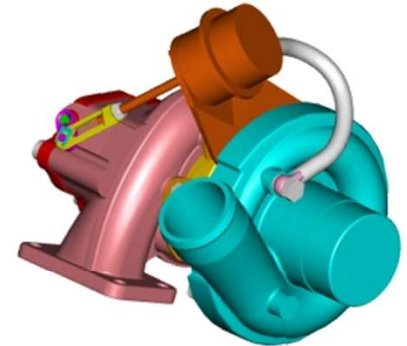
- Flexible production capacities (machining centres, high-output universal NC and CNC machines, special machines)
- Universal and special machines for production of synchronous rings
- Washing machines
- Air-leakage-testing stations
- Semi-assemblies





DIVISION TURBO

- Development, production of turbochargers for CD engines (25 – 400 kW) and customer service
- Turbocharger family types Co9, C1, K2, K3 (FG, WG, VTG – electronic and pneumatic controlling – and water cooling options)
- Annual production capacity approx. 350.000 pcs/year
- Number of employees 124



REFERENCES

- Producers of trucks, tractors and utility cars
- John Deere – France, USA, Mexico, Argentina
- AGCO Sisu - Finland
- Englotech Co. – China
- KAMAZ, GAZ, JAMZ, AMZ, ZMZ – Russia
- Tumosan – Turkey
- GENERAC - USA

QUALITY

- Certification according to ISO 9001

PRODUCTION FACILITIES

- Flexible production base – mainly high-output universal NC and CNC machines, special machines for welding, balancing and measuring

ČZ ŘETĚZY, S.R.O.



- Production and development of roller and bush chains from the pitch 6,35 mm up to 25,4 mm, motorcycle chains, timing systems for cars and motorcycles including silent chains, special industrial chains
- Development and production of chain manufacturing machines
- Annual capacity 2 500 000 m
- Number of employees 150

REFERENCES

- European and world producers of cars and motorcycles – VW, Audi, Bentley, ZMZ, KTM, BMW, Betamotor, Husquarna, Ducati Sachs, Loncin, Jawa
- “A-class” supplier for VW, Audi, KTM

QUALITY

- Certification according to IATF 16949

PRODUCTION FACILITIES

- Single purpose and special machines for forming
- Modern technologies of heat treatment including process control and regulation



DEPARTMENT OF TESTROOMS & LABORATORIES



- Mechanical, metallographic and chemical tests
(accredited according to ČSN EN ISO / IEC 17 025 – Testing Laboratory No. 1285)
- Other tests of materials, semi-finished products and components
- Professional activities relating to materials
- Specification of residual impurities according to ISO 16232



EQUIPMENT:

- Testing (tearing) machines
- Hardness testers
- Pendulum impact testing machine (CHARPY)
- Equipment for metallographic samples production
- Optical microscopes
- Optical emission spectrometer
- Equipment for chemical analysis
- Analytical scales
- Laboratory ovens and driers
- Contaminative unit (preparation of samples for residual impurity evaluation)





CALIBRATION SERVICES

- Accredited services:

Gauge calibration with respect to:

- Length
- Plane angle
- Time
- Torque
- Pressure

- Non-accredited services:

- Dimensional measurement including digitizing
- Implementation of system management in calibration labs
- Consulting and training services

- Licence according to ČSN EN ISO / IEC 17 025



CONTACTS



ČZ a.s. – Commercial Director

Mr Přemysl Papež, Tel.: +420 383 342 170

E-mail: premysl.papez@czas.cz

Division Tool shop – Sales Manager

Mr Jaroslav Křivanec, Tel.: +420 383 342 327

E-mail: jaroslav.krivanec@czas.cz

Division Al Foundry – Sales Manager

Mr Filip Lukeš, Tel.: +420 383 342 321

E-mail: filip.lukes@czas.cz

Division Iron Foundry – Sales Manager

Mr Jan Kovarovič, Tel.: +420 383 342 349

E-mail: jkovarovic@czas.cz

Division Auto – Sales Manager

Mrs Martina Frčková, Tel.: +420 383 342 119

E-mail: martina.frckova@czas.cz

Division Turbo – Director

Mr Nils Brejaart, Tel.: +420 383 342 596

E-mail: nbrejaart@czas.cz

ČZ Řetězy, s.r.o. – Sales Manager

Mrs Ludmila Michálková, Tel.: +420 383 342 358

E-mail: lmichalkova@czas.cz

Testrooms & Laboratories – Manager

Mr Jiří Motl, Tel.: +420 383 342 315

E-mail: laboratore@czas.cz

Calibration Services – Manager

Mr Roman Chaloupka, Tel.: +420 383 342 407

E-mail: roman.chaloupka@czas.cz