



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 of anniversary



FACILITIES



ČZ Iron foundry

Plasman CZ

ČZ Turbo

ČZ Aluminium foundry

Linamar Structures Czechia

ČZ Auto

ČZ Chains

ČZ Tools

Trucks gate

Canteen

Labs

Employee parking

Employee gate

High school training center



COMPANY PROFILE

	2018	2019	2020	2021	2022	2023	2024
Gross Sales [mil. EUR]	64.1	61.4	52.4	51.5	54.8	54.4	43.3
Domestic Sales [mil. EUR]	26.1	24.2	22.1	19.7	19.4	22.4	20.9
Export [mil. EUR]	38.0	37.2	30.3	31.8	35.4	32.0	22.4

Number of Employees (without Ltd.):

746

Total Area:

500 000 m²

Floor Area:

160 000 m²

Ownership Structure:

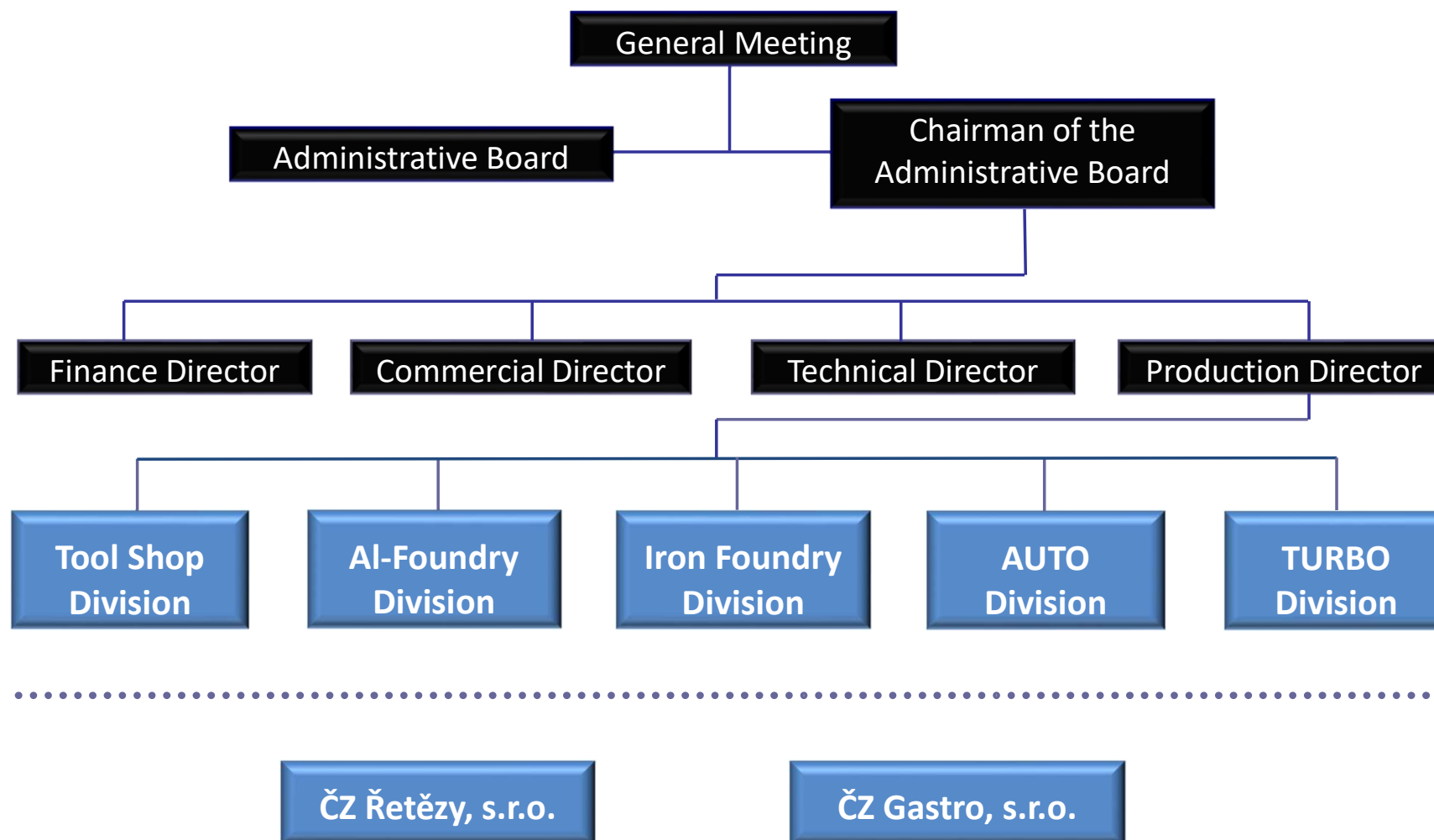
100% ČZ a.s.

16% of purchased
electricity from
renewal sources



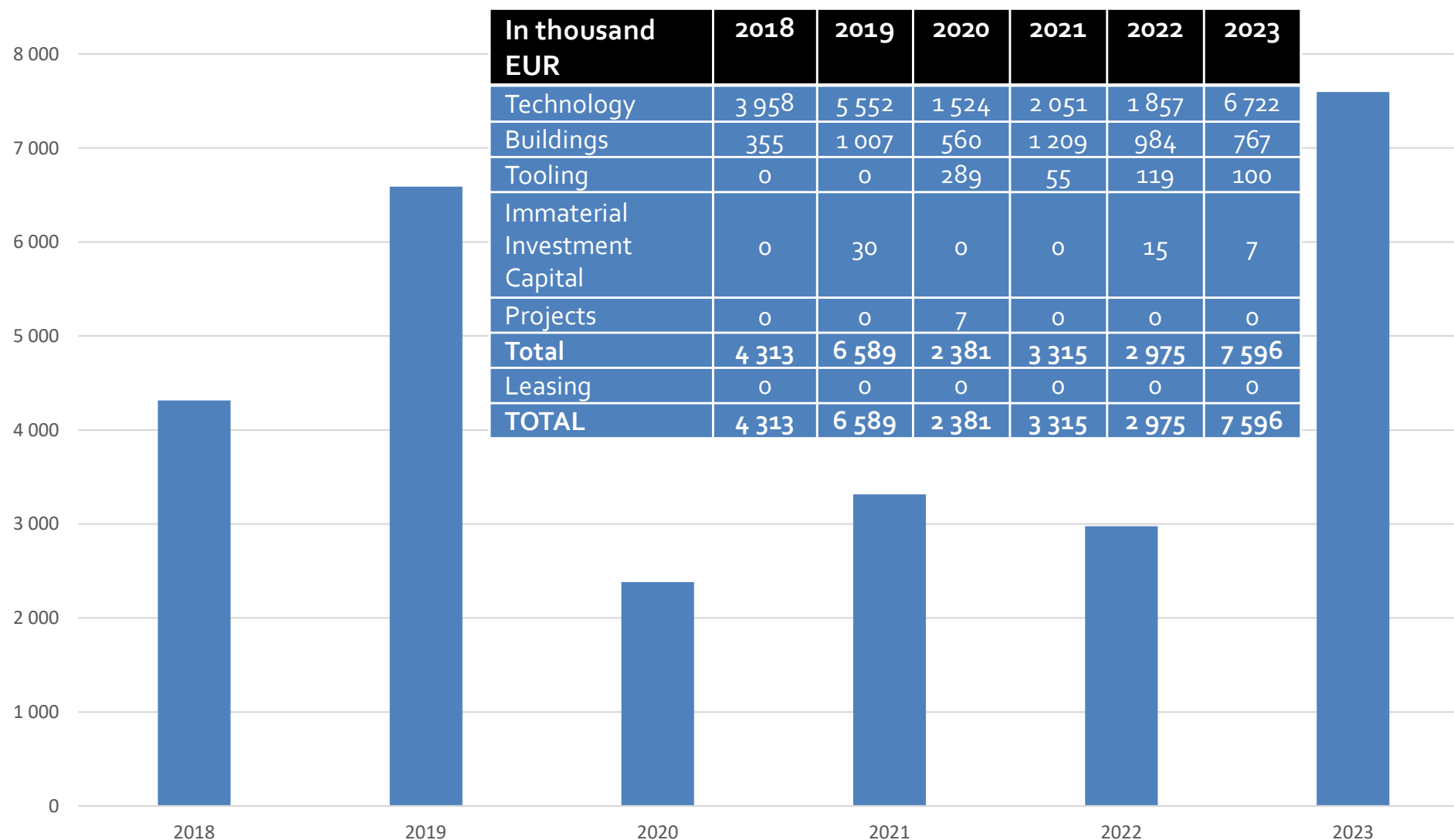


ORGANIZATION CHART

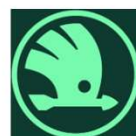




INVESTMENTS



CUSTOMERS





> DIVISION TOOL SHOP

- Moulds for pressure castings of Al and Zn alloys
- Moulds for thermosets (Prepreg, SMC, BMC)
- Patterns for grey and nodular cast iron
- Machining fixtures, measuring gauges, calibers, spare parts
- Air-leakage testing stations, assembly equipments, spindles
- Number of employees 106



REFERENCES

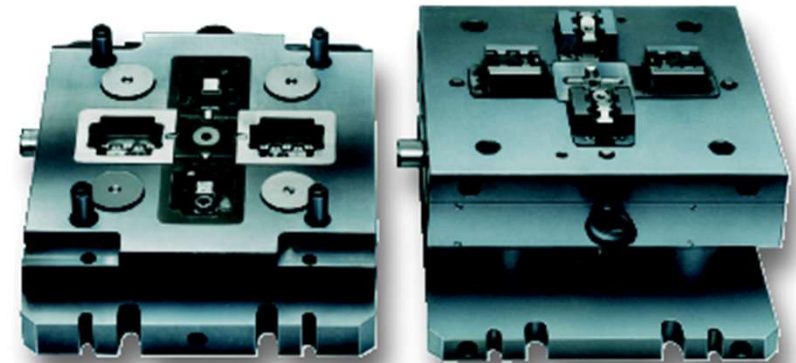
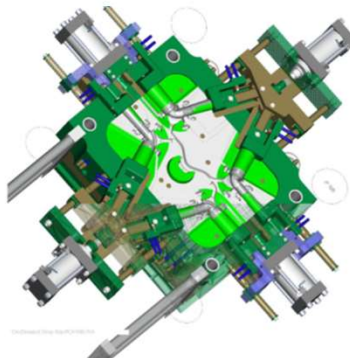
- Aisin, Aisan, ALW, Aluprogres, Sellier & Bellot, BRISK, DYTRON, Faurecia, HDO GmbH, Innomotics, JOPP, JTEKT, Kovolis, Kovolit, Kunzmann, LINAMAR, Motor Jikov, RAVAK, ŠKODA Auto, Toyota, and many others

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) DIN239D/EN43400/AlSi10Mg(Fe)
- Production of low pressure die castings: LM22/EN-AB-45400/AlSi5Cu3

- Annual capacity 3 000 t
- Number of employees 87

REFERENCES

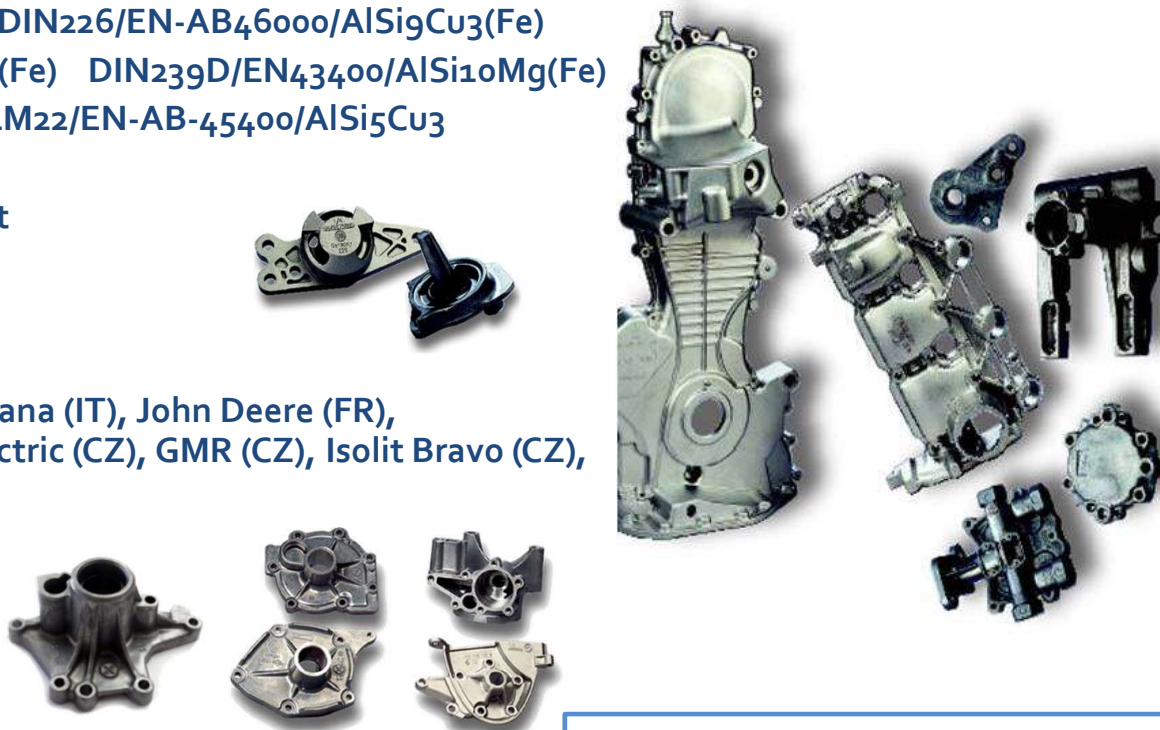
- Aisin (CZ), ALW (CZ), Aluprogres (CZ), Dana (IT), John Deere (FR), Mubea (CZ), Inproma (CZ), Mitsubishi Electric (CZ), GMR (CZ), Isolit Bravo (CZ), PSP Pohony (CZ), Tyco Electronic (PL)

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, Bühler 840, 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
- Old shell molding (Croning method) will be terminated in 2026
- Annual capacity 4 000 t/year
- Number of employees 95

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 111

REFERENCES

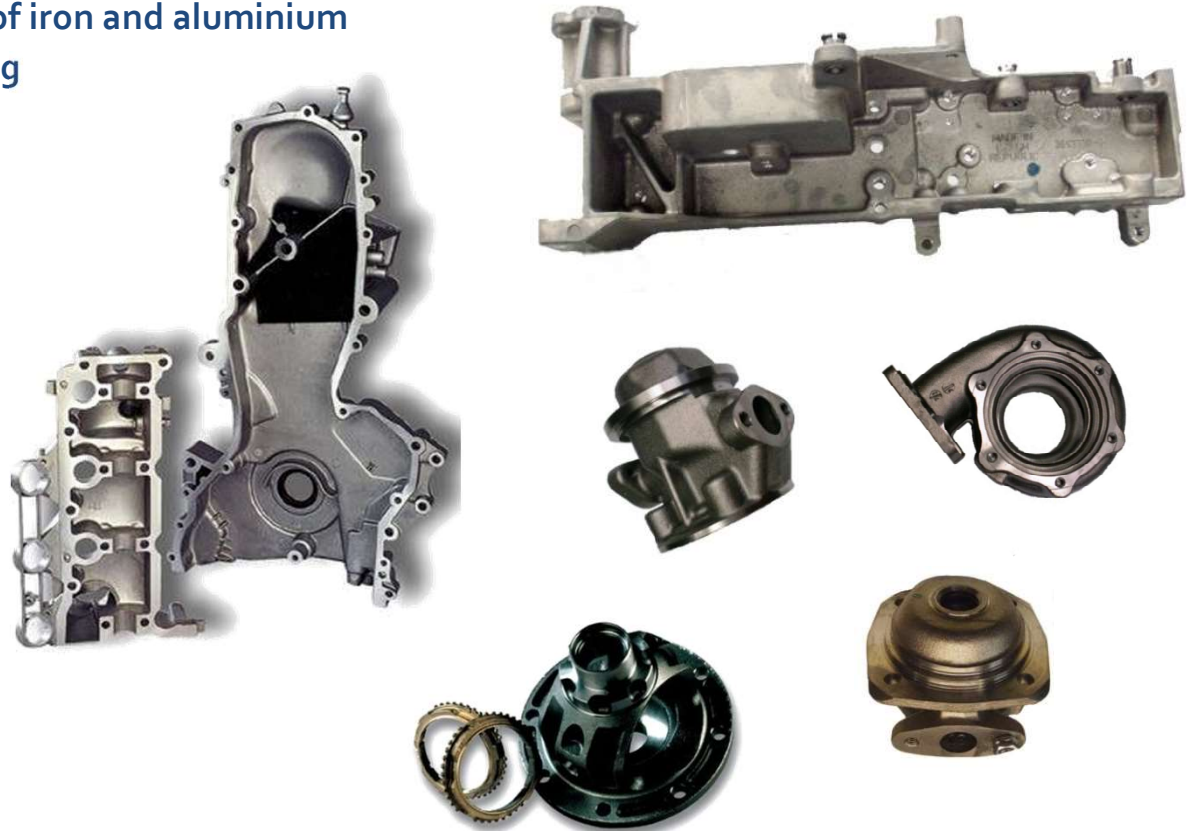
- AISIN - CZ
- Division TURBO - CZ
- Dana Graziano - Italy
- John DEERE – France, Mexico
- MITSUBISHI ELECTRIC - CZ
- ŠKODA-Auto - CZ
- Tyco electronics - Poland

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 113

REFERENCES

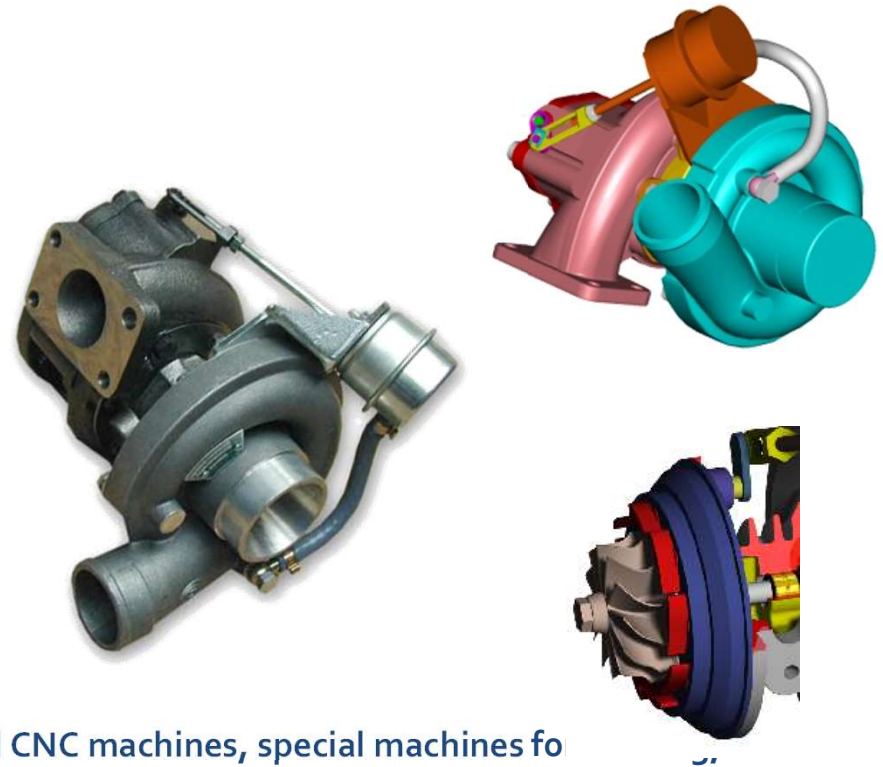
- Producers of trucks, tractors and utility cars
- John Deere – France, USA, Mexico, Argentina, China
- AGCO – Finland, China, Brazil
- Tumosan, Basak - Turkey
- GENERAC, Rehlko, Blueprint - USA

QUALITY

- Certification according to ISO 9001

PRODUCTION FACILITIES

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



> ČZ ŘETĚZY, LTD.



- 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 140

REFERENCES

- VW, AUDI, BENTLEY, BMW Group, Husqvarna, CF Moto
- KOVE, Loncin, Betamotor, Ducati, AJP, INA – Schaeffler Group
- "A-class" supplier for KTM Group, VW

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

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