ČZ Strojírna Ltd.
Location in Europe

ČZ Strojírna Ltd.
Tovární 202
386 01 Strakonice
Czech Republic
History of ČZ Corp.

- **1919** Founded and named Jihočeská zbrojovka
- **1923** Original production – small arms
- **1930** Production of bicycles
- **1931** Production of chains
- **1934** Production of tools and special working machines
- **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 Corp., Subcompany ČZ Strojírna Ltd. origin
Information systems

- SAP R/3 – FI, CO, AM, SD, MM (Hewlett Packard)
- Local system – SYSSKLAS, PC Fand, etc.
- CAD – Pro/Engineer, AutoCAD
- MS OFFICE, Open Office
Production Program

- Internal grinding machines
- External grinding machines
- Special and glass grinding machines
- Spot facing machines (one and two-side grinding centre)
- Special single purpose machines (deep hole drilling machines, etc.)
- Belt and electrical grinding spindle
- Retrofit and overhauling of machines
Production Program

- **Internal grinding machines**
  - Automatic machine BDE 125 CNC
  - Automatic machine BDE 150 CNC
  - Automatic machine BDE 200 CNC
  - Automatic machine BDA 100 CNC
  - Univerzal machine BDU 300/600 CNC
  - Univerzal machine BDU 300/1500 CNC
  - Automatic machine BDA 300 CNC
  - Automatic machine BDA 400 CNC

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Production Program

- External grinding machines
  - BHA 150/500 CNC
  - BHA 75 CNC
  - BHA 150 DUO CNC
Production Program

• Special and glass machines
  • Glass five-axis grinding machines – multiplace BS (05, 06) for grinding of irregular faces with the manual work simulation (random errors)
  • BE 40H CNC – grinding of small holes (injection jet bodies)
  • BE 41 CNC – grinding of plane faces (injection jet body faces)
  • BE 42 CNC
  • Special grinding machines according to customer’s demand
Production Program

- Spot facing machines
  - ČZ 111-NC-1200-A – horizontal double grinding machines
  - WHJN 2 – horizontal one-side deburring machines (double spindle)
- Machine design is always according to customer’s demand
Production Program

• Grinding spindle
  • Belt spindle – max. revolutions 60 000 rpm.
    • IBCA – type with exchange grinding wheel extensions
    • IBEA – tapered shaft end with wheel which is bigger than the diameter of the body
    • IBBA – spindles lengthened shaft
    • IBDA – spindles with tapered shaft end and body shoulder
Quality Control

- Quality control is according to ISO 9001 / 2000
- Component control attend to the modern three-coordinate measuring machine Zeiss UMC 850 which belongs to the most exact in this class
• ČZ Strojírna Ltd. is certificate holder
• Quality control system ISO TÜV 9001
• EMS ISO TÜV 14 001
• SAFE ENTERPRISE
ČZ Strojírna Ltd. offers to you

- Professional approach
- Top quality
- Original technical solution on your demand
- Qualified team of experts
- Own design team
- Very short duration of contract
References

Internal grinding machines

• **MOTORPAL, Jihlava, CZ**, production for BOSCH valve (tot. 20 machines)
  ▪ Machine: BE40ACNC
  ▪ Machine: BDA120CNC
  ▪ Machine: BDE125CNC
  ▪ Machine: BDL125CNC

• **ŠKODA AUTO, Mladá Boleslav, CZ (Volkswagen Group)**
  ▪ Machine: BDE125CNC – 3 pcs

• **CZ Strakonice, CZ**
  ▪ Machine: BDU250CNC

• **KINEX, Bytča, SK**
  ▪ Machine: BDL125CNC - 3 pcs

• **MOSER INDUSTRIES, Republic of South Africa**
  ▪ Machine: BDU250A - 3 pcs
References

Internal grinding machines

- Kovosvit/ MAS, Sezimovo Ústí, CZ
  - Machine: BDU300/1500CNC

- NZTA Noginsk, Russia
  - Machine: BE40ACNC - 3 pcs

- TOYOTA TSUSHO, Deutschland / DENSO Production - Hungary
  - Machine: BE40HCNC - 2 pcs

- SLB s.r.o. Brno, CZ
  - Machine: BDA 300 CNC

- ZKL s.r.o. Brno, CZ
  - Machine: BDA 300 CNC - 2 pcs
References
External grinding machines

- **ZKL s.r.o. Brno, CZ**
  - Machine: BDA 400 (2 pcs)

- **Koyo Olomouc, CZ**
  - Machine: modernisation of machines ALS 1

- **INA Werk Schaeffler KG, Germany**
  - Machine: different types of machines (74 pcs)

- **MOTORPAL, Jihlava, CZ**
  - Machine: BE41CNC - 3 pcs

- **MOTORPAL, Jihlava, CZ**
  - Machine: BE41V CNC - 1 pc
References
External grinding machines

• **CZ Strakonice, CZ**
  - Machine: BHA150/500CNC – 2 pcs
  - Machine: Fortuna – FM 334 S 500 AR 45 - 2 pcs

• **TOYOTA TSUSHO EUROPE**
  - Machine: OVERBECK 600R CNC
  - Machine: BHA 75 CNC

• **FAG – Kugelfischer, AG, Schweinfurt, Germany**
  - Machine: TOF – 12 pcs (modernization)

• **INA – Schaeffler, KG, Herzogenaurach, Germany**
  - Machine: PGE 10/150 CNC – 12 pcs (modernization)
References

Glass grinding machines

- **Waterford Crystal, Ireland**
  - Machine: BS06 - 5 pcs
    - Decorative grinding of glass

- **Baccarat, France**
  - Machine: BS04 - 2 pcs
    - Decorative grinding of vases

- **PROGLAS Engineering, Germany**
  - Machine: BS06 - 8 pcs
  - BS05 - 3 pcs
    - Decorative grinding of glass
References
Spot facing machines

• **Louisville Forge, USA**
  - Machine: EM122QSNC800A - 1 pc

• **Imatra Kilsta, Sweeden**
  - Machine: EM233QSNC1600L - 1 pc

• **JaeTech, USA**
  - Machine: EM111NC800A - 4 pcs

• **CZ Strakonice, CZ**
  - Machine: EM111NC800A - 1 pc

• **SYSMA Antriebstechnik, Germany**
  - Machine: EM121QSNC800A - 1 pc
References
Spot facing machines

• METALDYNE, USA
  ▪ Machine: EM111800AHY - 2 pcs

• ŠKODA AUTO, Mladá Boleslav, CZ
  ▪ Machine: CZ122QSNC800A - 3 pcs
Reference

Special single purpose machines

• Bosch Diesel, s.r.o., Jihlava, CZ
  ▪ Machine: Five-axis drilling machine with automatic handling with work piece

• CZ Strakonice, CZ
  ▪ Machine: KSK1250/10…2

• HOB CerTec, Horní Bříza, CZ
  ▪ Machine: Single purpose machine for milling both ends of ceramic cylinder

• SCHENCK RoTec, Darmstadt, Germany
  ▪ Machine: special soap machine - 6 pcs
  ▪ Machine: special balancing machine - 8 pcs
  ▪ Machine: special handling equipment - 5 pcs

• CLAAS Fertigungstechnik, Germany
  ▪ Machine: large capacity storage for tools - 2 pcs
Reference
Special single purpose machines

- **ŽĎAS Žďár, CZ**
  - Machine: Special lathe for shafts ends in metallurgical line – 11 pcs

- **SMS Meer, Italy**
  - Machine: HL 400-18 Rolling table – 6 pcs

- **Danieli, Italy**
  - Machine: Feeding machine for rolling table – 8 pcs

- **PCI, France**
  - Machine: Milling machine OP 10, OP 100, OP 200 for heads of motor Peugeot – 3 pcs

- **IWIS GmbH, Germany**
  - Machine: single-purpose machine for assembling of chains KM3
Reference
Deep hole drilling machines

• **UNI CZ, CZ**
  - Machine: AJN75.P2 - 1 pc
    - Deep hole drilling of shafts

• **CZ Strakonice, CZ**
  - Machine: AJN110-P2 - 2 pcs
    - Deep hole drilling of gun barrels
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