



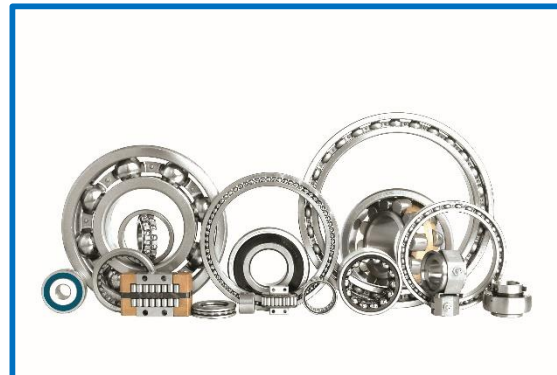
CSC Bearing Europe GmbH

The Specialist for Bearings from 30 to 300mm



CSC | Company

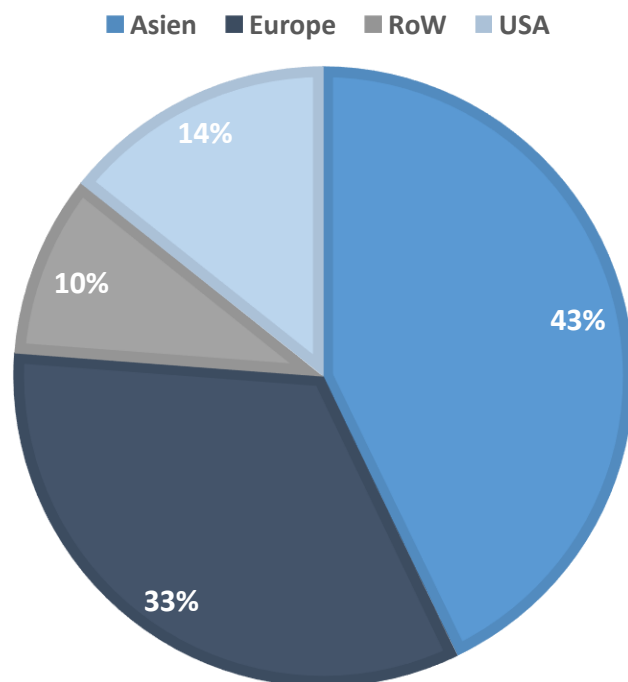
- Bearing manufacturer founded in 1969
 - Bearing design & construction in Germany
 - OEM customers on all 5 continents
 - Around 1000 employees worldwide
-
- Turnover CSC worldwide
 - > 75 Mio USD (2015)
 - > 80 Mio USD (2016)
 - >100 Mio USD (2017)



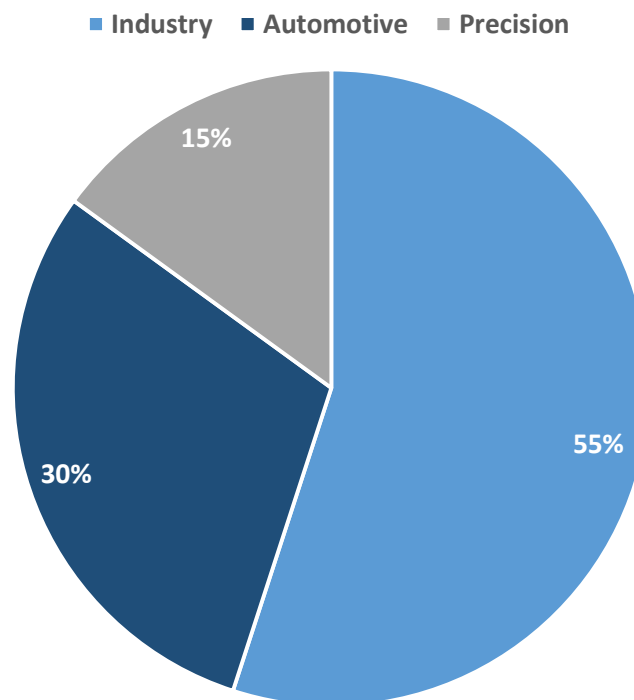


CSC | Turnover by areas and industries

REGIONAL IN % (OVERALL 80 MIO USD)



BY SECTORS





CSC | Office Europe | Engineering



- CSC Office in Wiesentheid (close to Schweinfurt & Herzogenaurach)
- Sales and project management for customers in europe
- Bearing development & special bearings design
- Measuring laboratory (Mahr & Keyence) & training center (e.g. Mesys)
- Warehouse for the european market



CSC | Production in Changshu (close to Shanghai)

- Factory floor ca. 130.000m²
- Over 40 years experience in bearing manufacturing
- Products: standard bearings / precision bearings / hybrid bearings
- High percentage of special bearings and OEM products

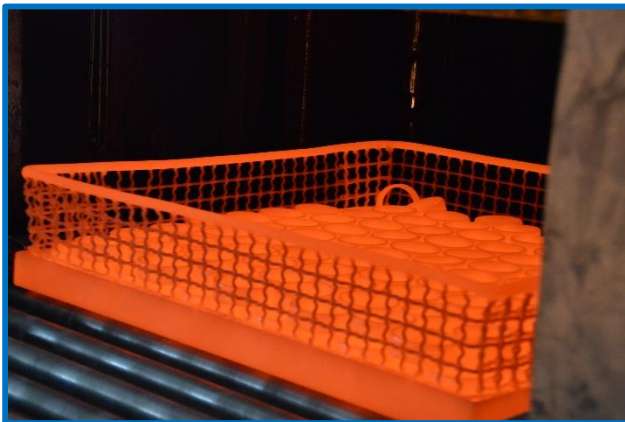




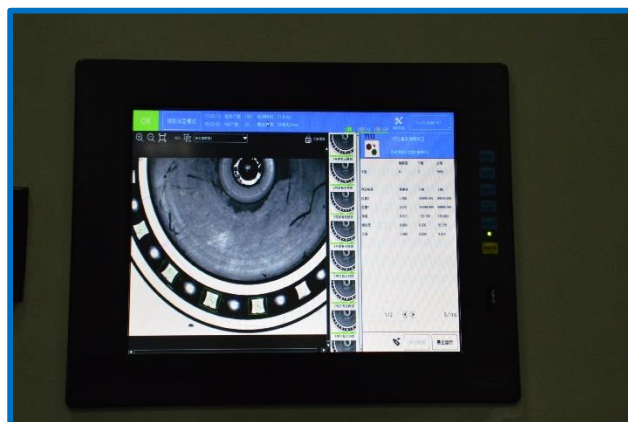
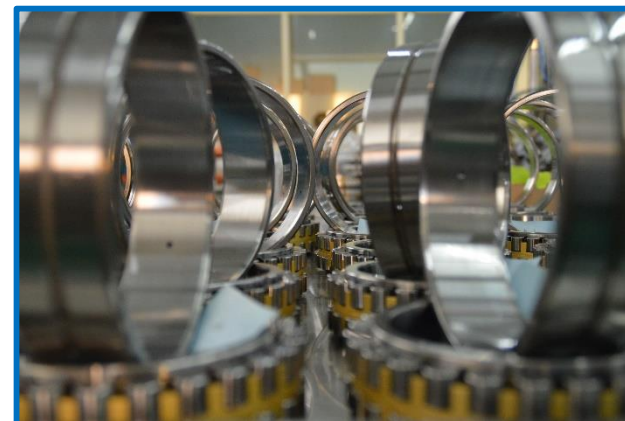
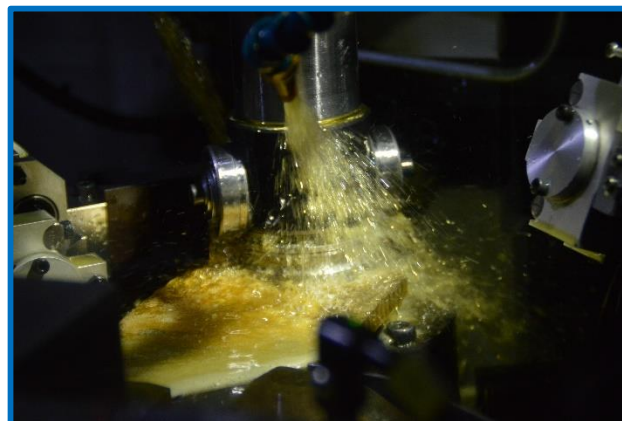
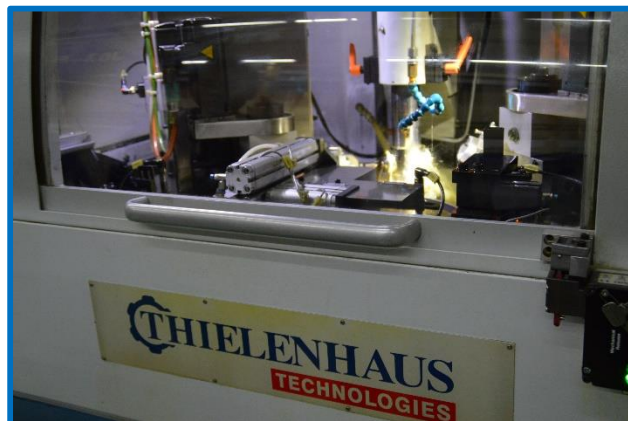
CSC | High quality production equipment



CSC | Insight into production



CSC | Production equipment



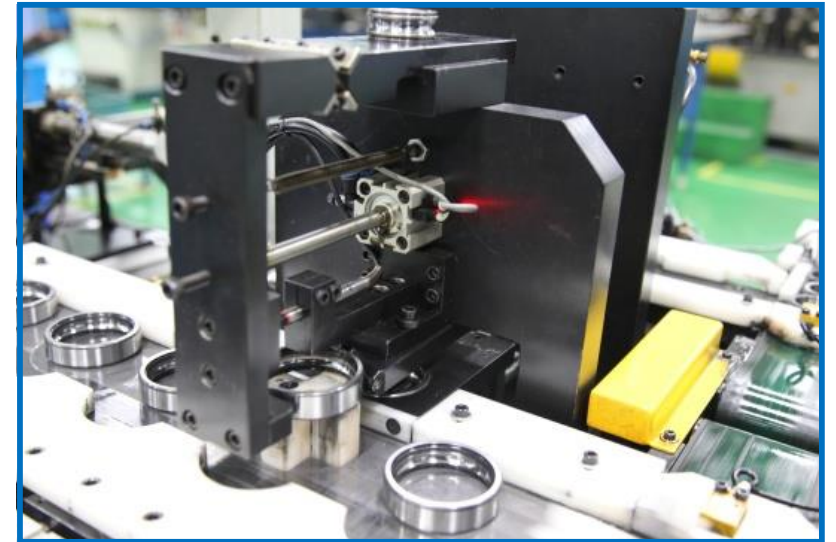


CSC | State of the art production facilities



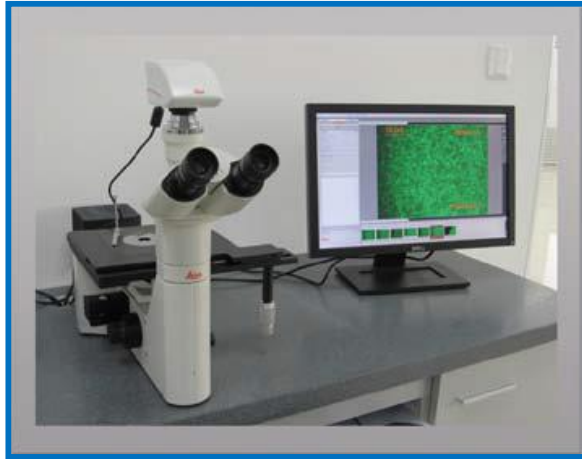


CSC | State of the art production facilities



33 fully automatic assembly lines in the main factory
67 fully automatic grinding lines (\varnothing up to 300mm)
81 semi-automatic & fully automatic equipment in the turnery

CSC | Quality Control



Early on CSC focused on technical high-level bearings. We set high value on a permanent improvement of products and service activities. Therefore our own research and design department develops innovative and demand-driven bearings in close collaboration with German engineers.



CSC | Quality | ISO 9001 | ISO14001

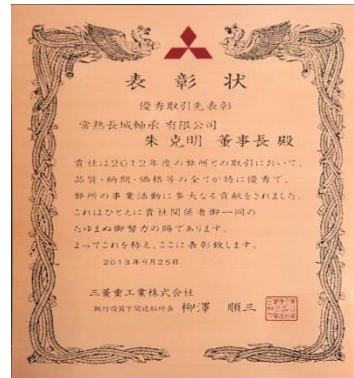




CSC | Award winning supplier



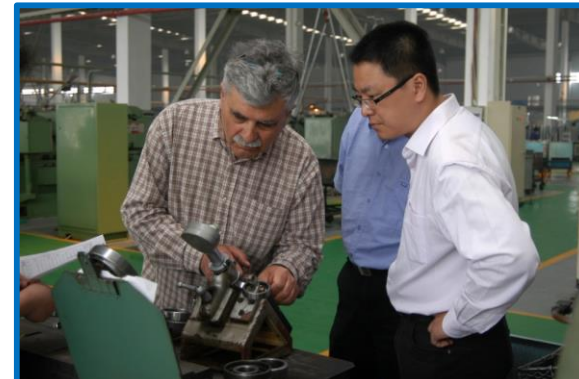
Thyssen Elevators
Professional
Performance Level



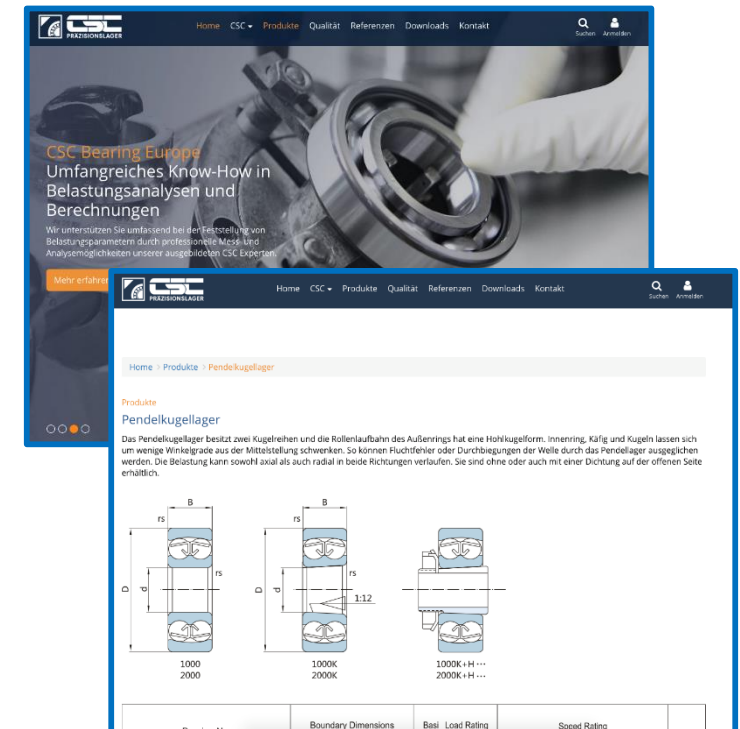
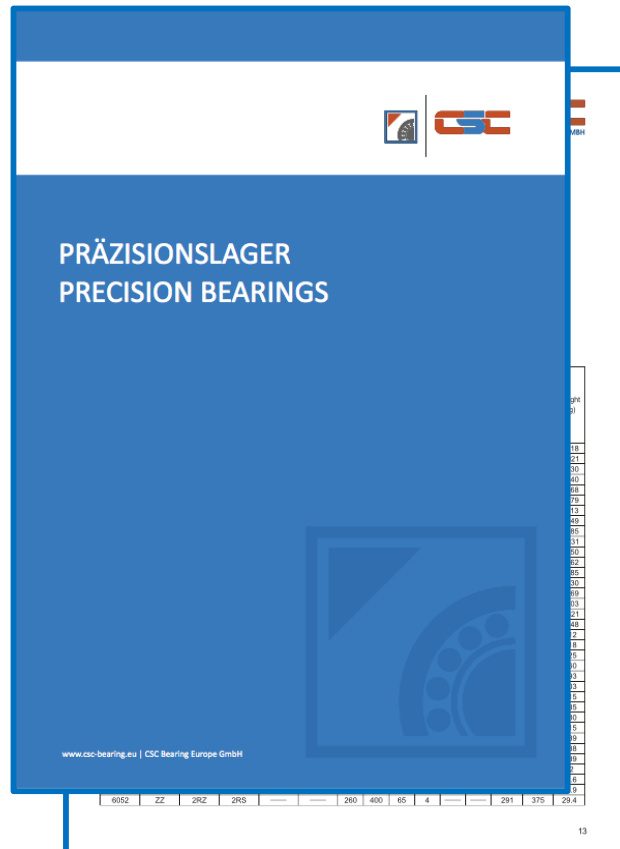
Auszeichnung von
Mitsubishi Heavy
Industries



CSC | Innovation in R&D



Engineering made in Germany – Training of chinese engineers in Germany





Products | Standard bearings

Deep Groove Ball
Bearing

Self-Aligning Ball
Bearing

Angular Contact
Ball Bearing

Deep Groove Ball
Thrust Bearing

Guide Bearing

Four-Point
Contact Ball
Bearings

Double Row
Angular Contact
Ball Bearing

Thin Section
Bearings

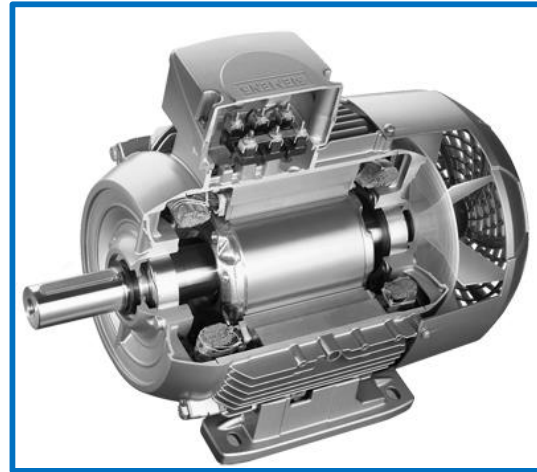
Spherical roller
bearings

Special Bearings





Products | Standard bearings – Applications





Products | Precision Bearings

Precision Deep
Groove Ball
Bearing

Precision Angular
Contact
Ball Bearing

Precision Thrust
Angular Contact Ball
Bearing for Ball Screw

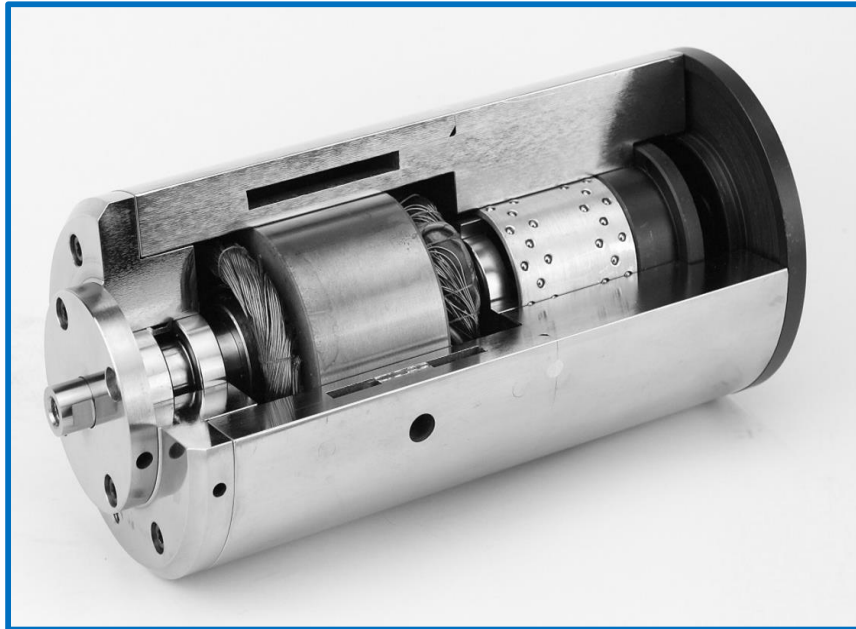
Special
Bearings



- Precision angular contact ball bearing are also as hybrid bearings available.
- We use well-known nomenclatures for our bearings to facilitate comparability.
- e.g. B7000-C-T-P4S-UL, HCB71905.... (Hybrid bearing with ceramic balls)



Products | Precision Bearings – Applications



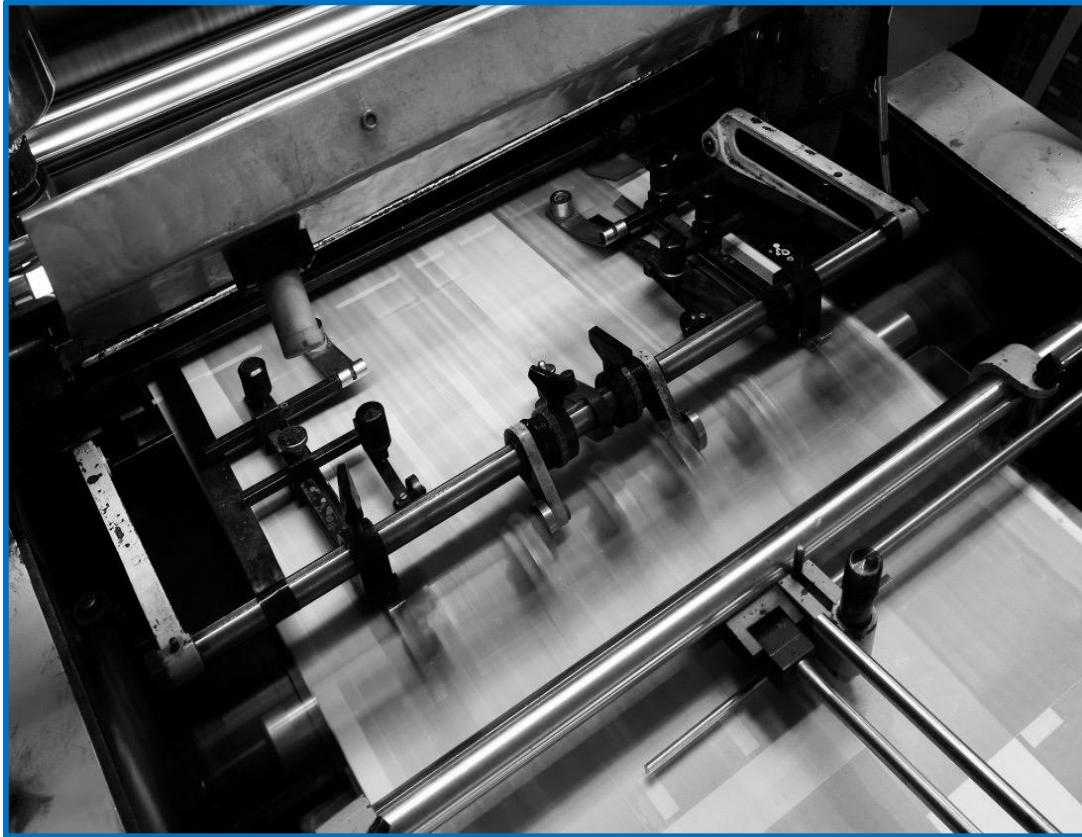
motor spindle



steel or hybrid design



Products | Precision Bearings – Applications



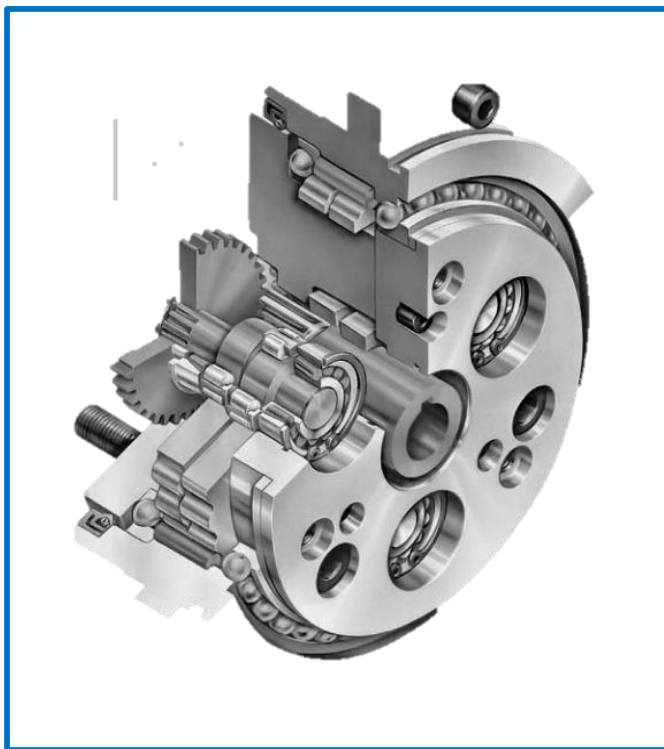
application: high-end printing machines



Products | Precision Bearings – Applications



robotic



gear manufacturing



thin section
bearings



Products | Bearings for textile industry

Bearings for
Chemical Fibre
Machines



Bottom Roller
Bearing

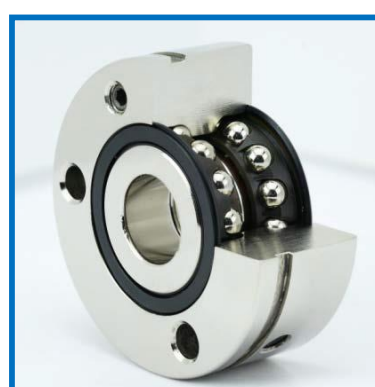


Synthetic fibre
handling





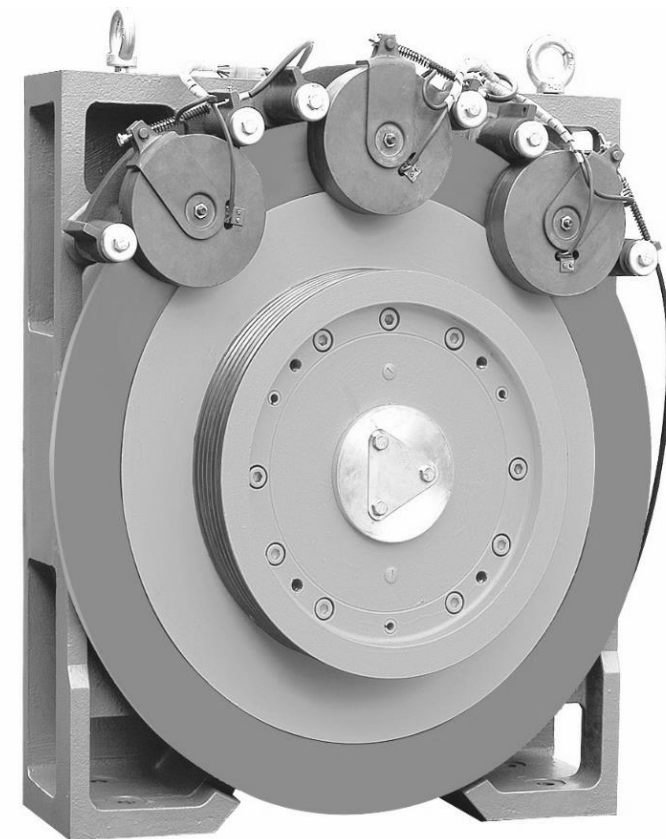
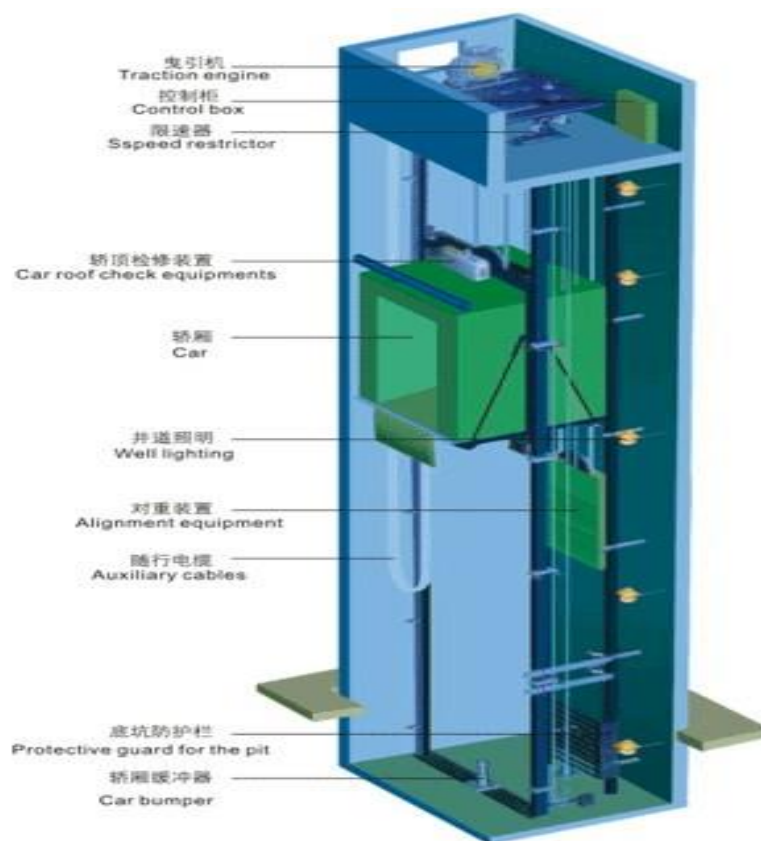
Non-Standard Bearings – Complex solutions customisable



- Special structures e.g. broadened inner- or outer ring
- Use of special seals
- Special greasing on customer request
- Assistance in the selection of the appropriate grease



Non-Standard Bearings | Application – Elevators





Non-Standard Bearings | Application – Forkflifter





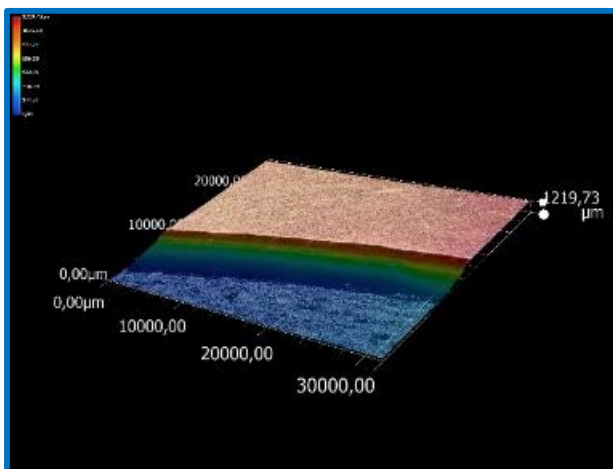
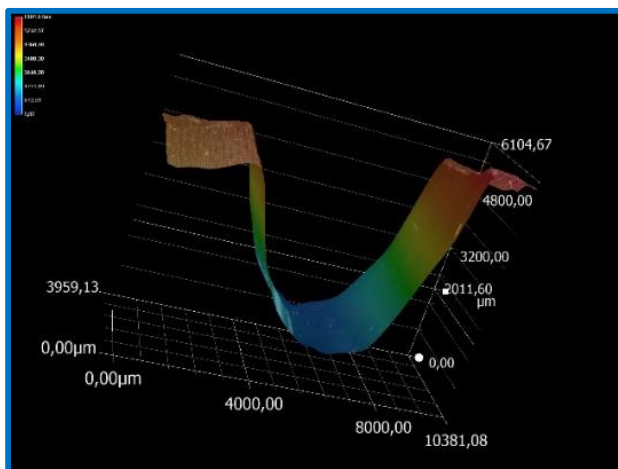
CSC Quality - Service & Engineering

Consulting on bearing selection

- Stress analysis
- Bearing and life time calculation
- Design consulting for “non standard bearings”
- Grease consulting
- Quality control
 - Contour and roughness analysis
 - Shape and position deviations
- Damage analysis
 - Damage symptom analysis
 - Comprehensive structural and thermal treatment assessment
 - Grease condition analysis

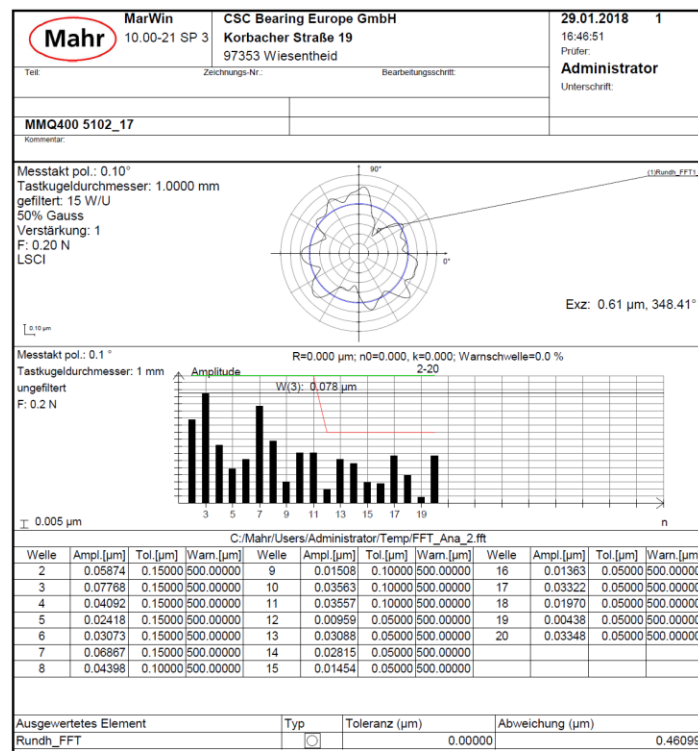


CSC | Quality assurance and investigations



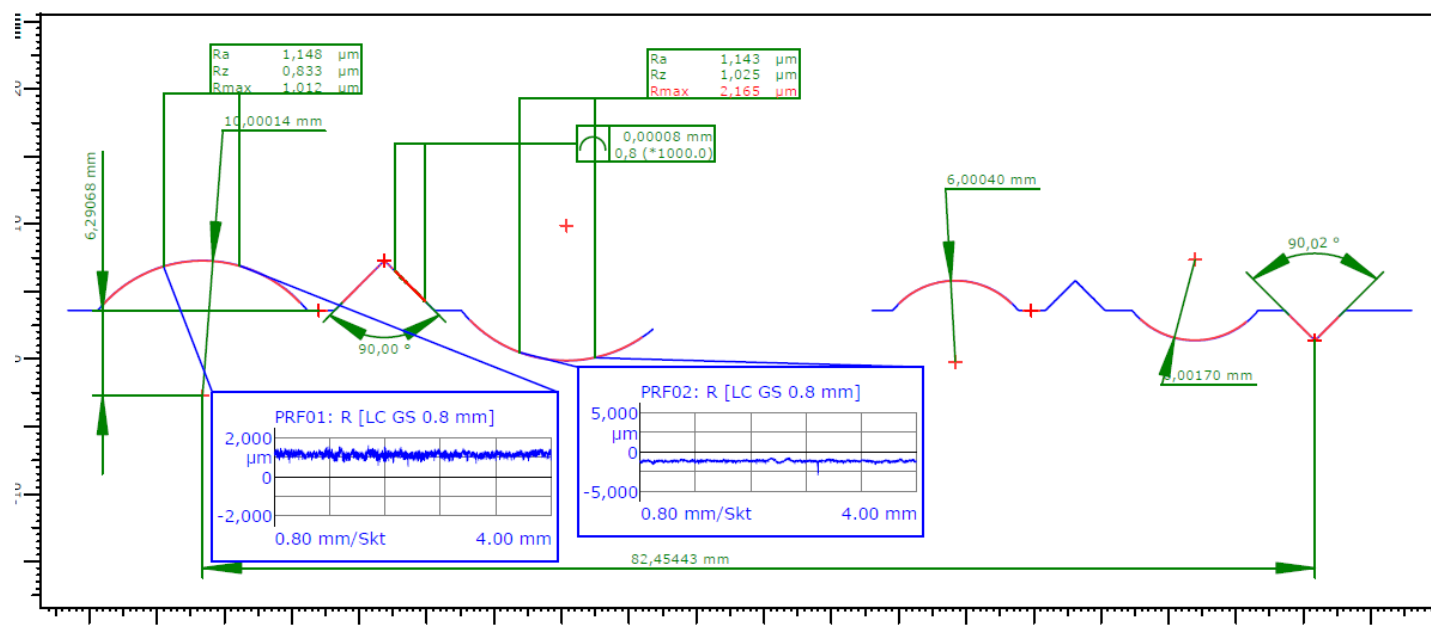


CSC | Quality assurance and investigations



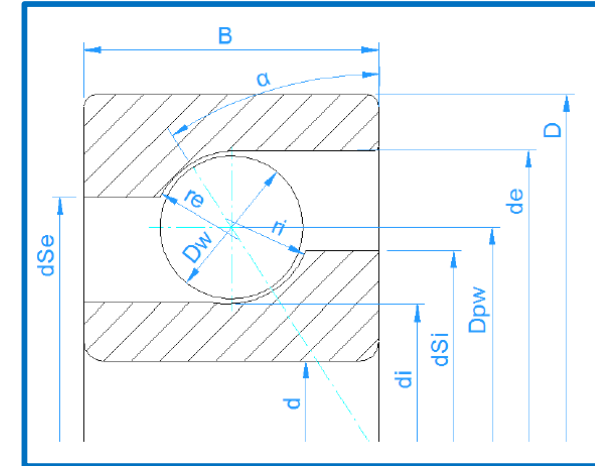
Roundness evaluation

FFT analysis with tolerance band



Measurement of contour and roughness

- Together with partners, we offer training courses on the subject of rolling bearings.
- e.g. Bearing design, calculations and software training by external partners (e.g. Mesys)



mesys
Engineering Consulting Software AG

Contact



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What can we do for you?



CSC High Quality Performance Bearings