

Absolute Reliability:
We Transform Power into Performance.

CMD



Mechanical Power Transmissions for Heavy Industries

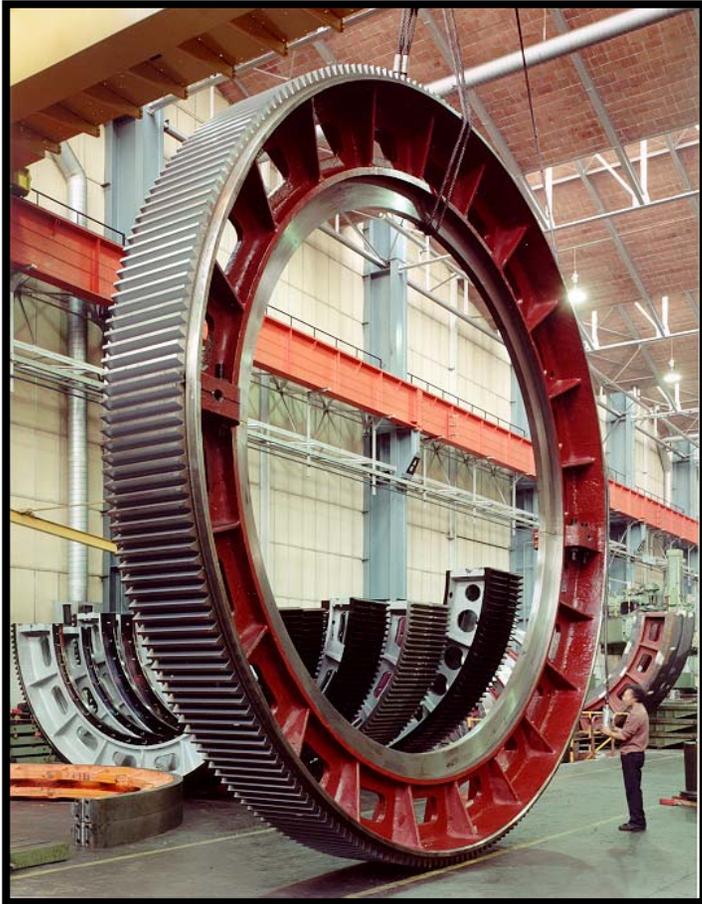


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- A photograph showing three technicians in a large industrial facility. They are wearing hard hats and safety glasses. One technician in a blue shirt and white hard hat is in the foreground, looking up at a large, complex piece of machinery. Another technician in a tan shirt and white hard hat is in the middle ground, also looking up. A third technician in a green shirt and black hard hat is in the background, looking towards the camera. The machinery is made of metal and has several large, curved components. The background is a dark, industrial setting with concrete walls and overhead lighting.
- Engineering
 - Manufacturing
 - Commissioning
 - After Sales Servicing



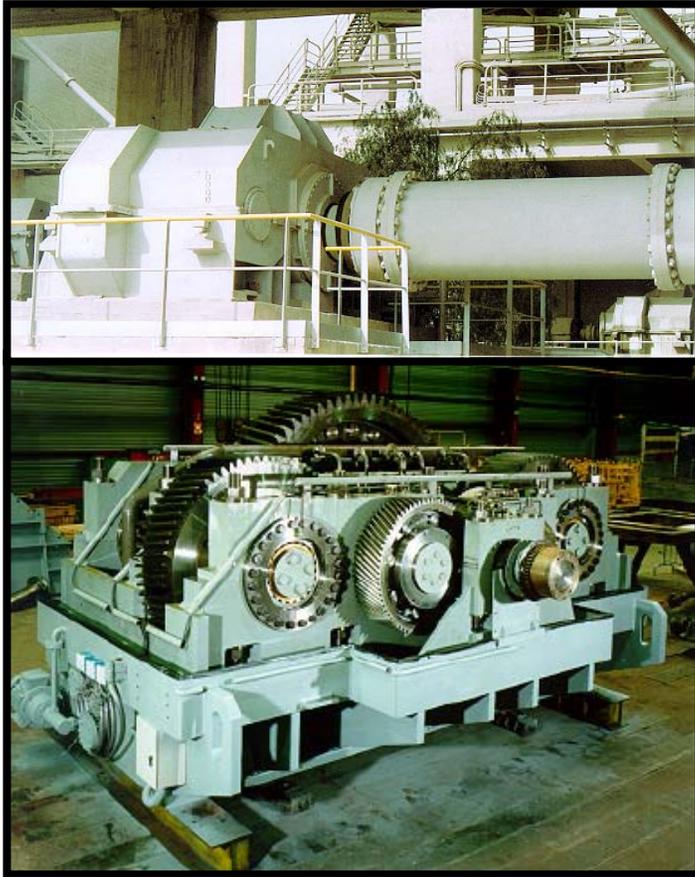
CMD complete side drive units

- Ball Mill side drive



Girth Gears and Pinions

- High quality cast girth gears
- High quality forged steel pinions
- Up to 12 meters diameter



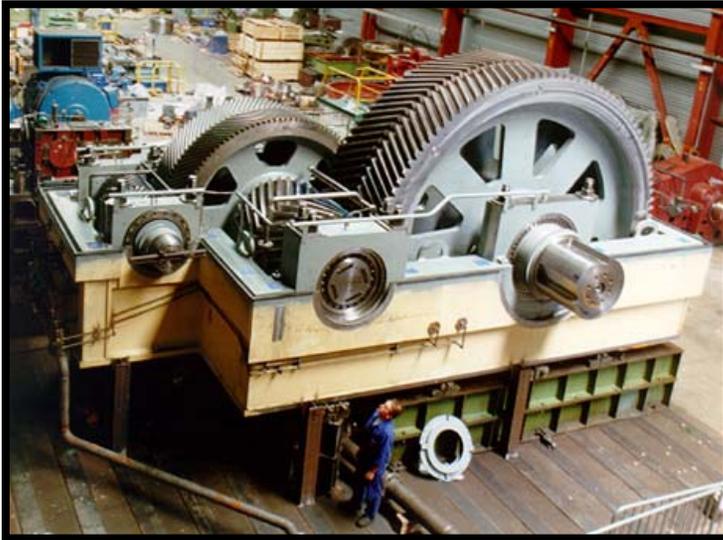
Jumborex[®] central drives

- Up to 6 000 kW
- Conventional technology, simple & compact
- Reliable & efficient torque balancing
- Best compromise between **QUALITY-RELIABILITY-EFFICIENCY**



Rollerex[®] for Vertical mills driving

- Up to 2500 kW
- Planetary or cylindrical gears
- With hydrodynamic thrust pads
- High structural rigidity of housing
- Reliable and efficient reducer



CMD continuous steel mill drive

- Motor Power 13 000 kW
- Nominal torque 4 330 kNm
- Gearbox weight 207 500 kg



Reversible mill drive
Rail mill drive
Hot finishing mill gears
Steel converter drive



Bogiflex[®] and Haflex[®]

- Self-aligning drive
- Up to 4 200 000 Nm Application
- Converter
- Sinter breaker
- Sinter drive
- Torpedo cars drive
- Bucket wheel drive



Bogiflex[®] drives

- Converters
- Pierce Smith Converters
- Slag cleaning furnaces
- Anodes furnaces
- FRC furnaces
- Holding furnaces



Sugar Beet

Crystalliser drives

Cane mill planetary
gearbox drive





Step-up gearboxes

- Up to 2 500 kW



- Turning up to \varnothing 13 m
- Boring up to 11 m x 3,5 m
- Cutting up to 12 m
- Grinding up to 4,4
- Gear control up to 4 m
- Foundry

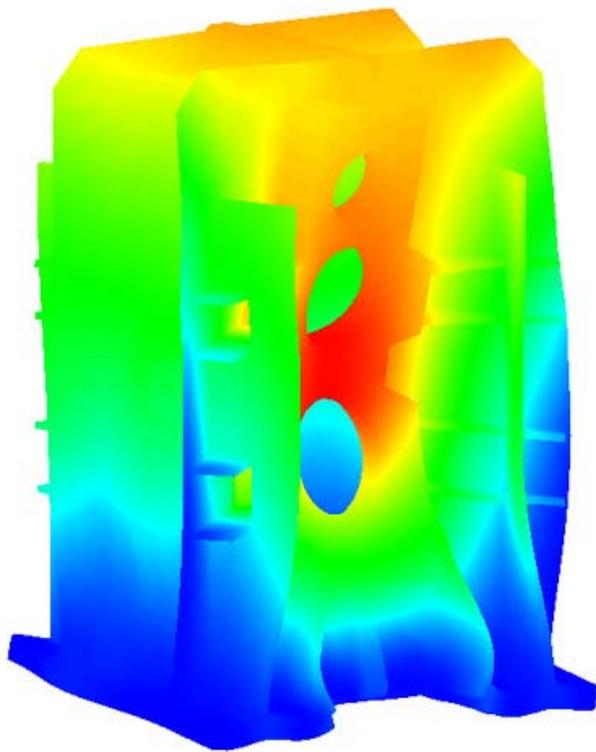


- ISO 3 - AGMA 14 Gear Grinding
- Calculation according to AGMA-ISO-DIN-BS-DNV
- Army agreement
- State electricity board agreement

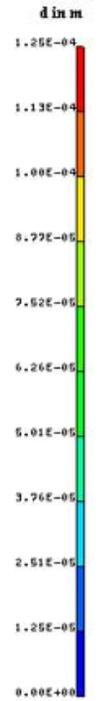
FEM Design Facilities



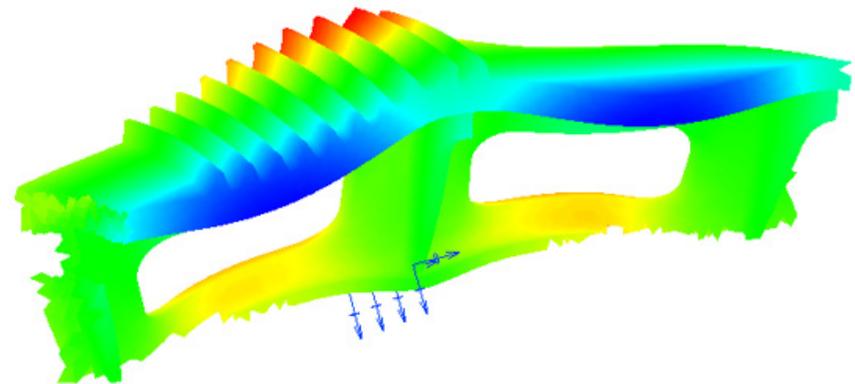
Specials



H2V44Sp Gear reducer
Displacement (with external load)
Deformed model



FEA CMD



Couronne en T Apaxco / Apasco
(DT=30°)

Déformation en mm

