CEMENT INDUSTRY

>> One Single Partner for all Your Needs <<
# CEMENT APPLICATIONS

- **VERTICAL MILL**
- **HORIZONTAL MILL**
- **COAL MILL**
- **ROTARY KILN**
ROTARY KILN

Riding ring fitted on kiln shell

Lime kiln

Shafted support rollers

Bogiflex® KGD self-aligning kiln gear drive

Support rings (cast steel or ductile iron)

3D measuring machine for large-size XXL workpieces

Gear

3D measuring machine for large-size XXL workpieces

ERsun® Planetary gearbox

Worm gearbox

Inching drive brake system

CAST IRON AND STEEL ● FABRICATION ● MACHINING ● MECHANICAL POWER TRANSMISSION SOLUTIONS
HORIZONTAL MILL

Mill Heads

Pinions

Bearings

Girth gears

Compact lateral drives

Millrex®
Dual-pinion self-aligning drive

ERmill®
Single-pinion self-aligning drive

ERmaster®
Single and multi-stage reducers

Parallel-shaft reducers

Central drive

Jumborex®

Inching drive brake system

ERmaster®

Couplings

Teeth Coupling

Spring Coupling

Parallel-shaft reducers

Couplings

Scan this QR Code to watch the video of VBCM16.
VERTICAL MILL

Raw mill

Rollerex®
Planetary reducer for vertical mill drives

Rollerex®
Cylindro-conical reduction gear for vertical mill drives

SERVICE

Many qualified engineers and technicians within Groupe CIF are capable of travelling the world over for operations ranging from installation and commissioning of supplied products, to preventive maintenance and technical assessments.

- Reverse Engineering
- Supervision - Commissioning
- Monitoring
- Assessments/Recommendations
- Refurbishment of all types/brands of gearboxes
**OUR ADDED VALUE**

**R&D - ENGINEERING**

- Finite Element Analysis (FEA)
- Solidification and Flow Simulation Modeling
- Mechanical drive train design (open and enclosed gearing)
- Development of custom mechanical couplings
- Conversion of fabrications to castings (iron or steel)
- Technical staff of approx. 100 engineers/technicians
- Multiple patents each year

**MATERIAL DEVELOPMENT**

- Proprietary metal casting grades (FerryNod®, Ferrynox)
- Full metallurgical test lab

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**Test bench**

- Multiple in-house test benches for product development and run-testing of custom gearboxes

- Gear drive training center