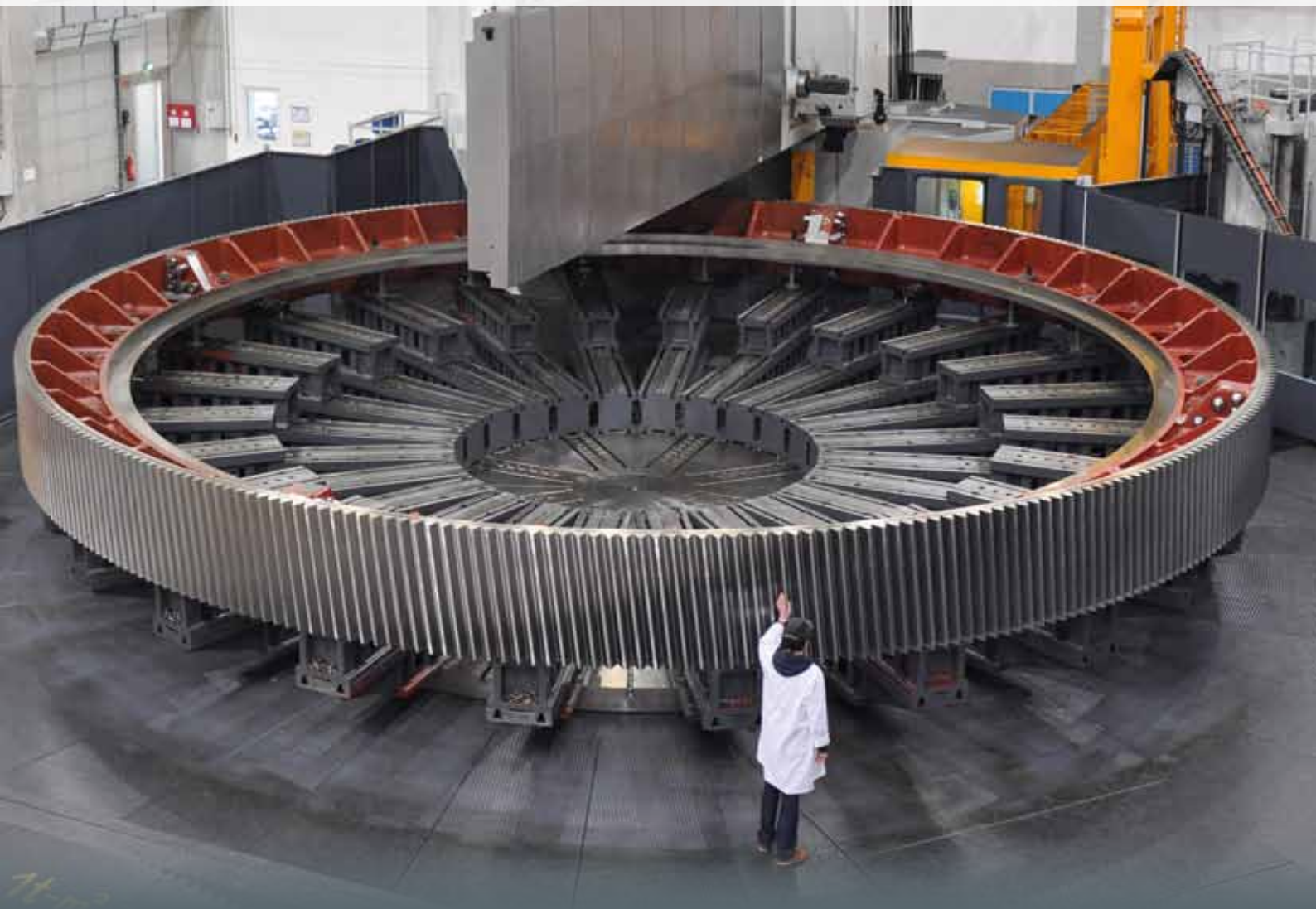




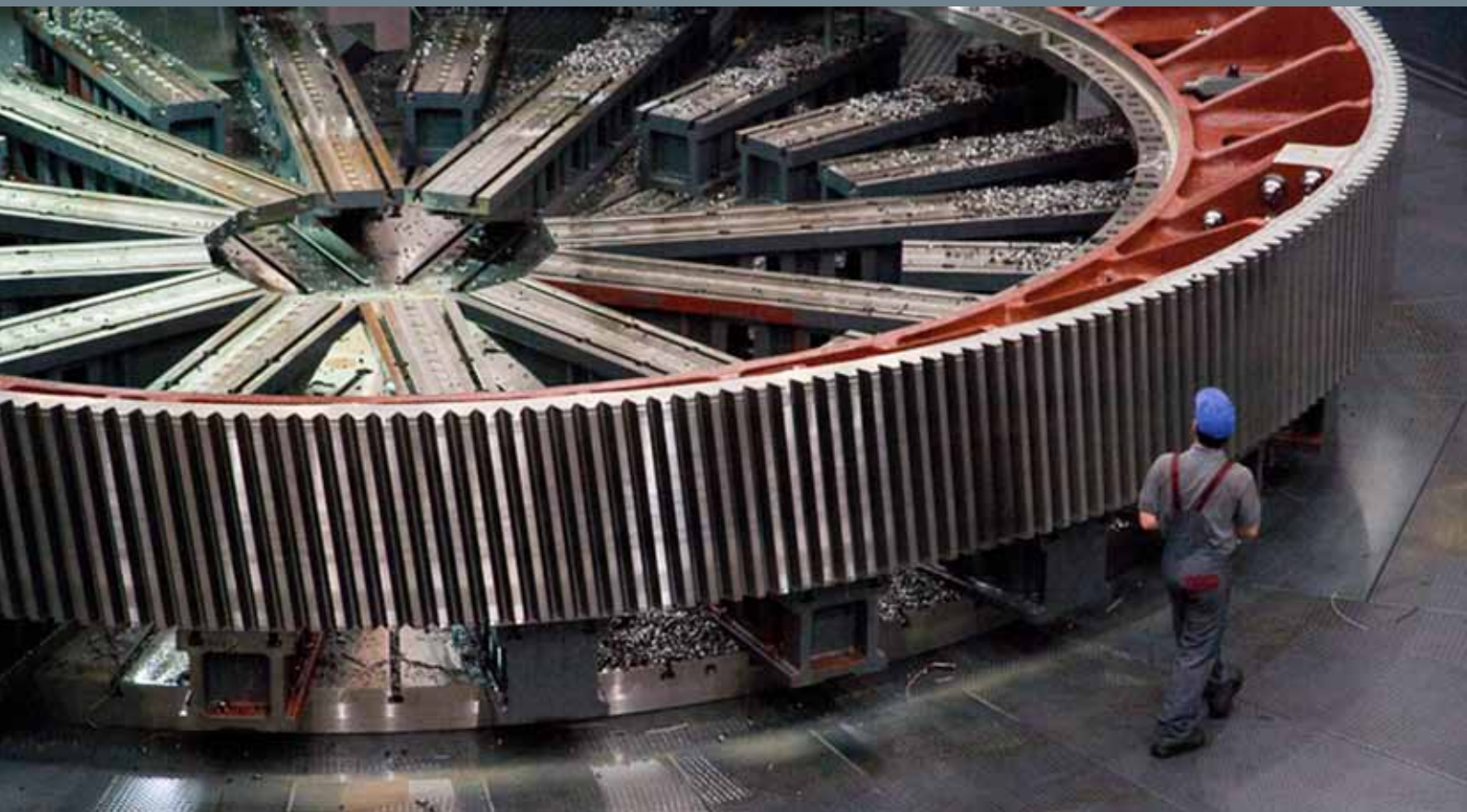
VBCM16

Vertical **B**oring & **C**utting **M**achine



>> Taking heavy industry to another dimension <<

Vertical boring & CUTTING Machine



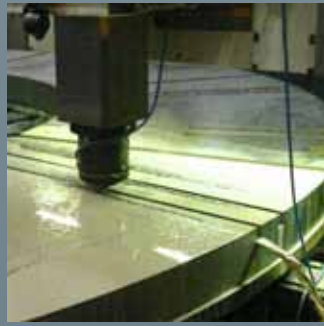
General Specifications

| | |
|---------------------|---------------|
| Main Motor Power | 650 kW |
| Diameter of Table Ø | 10.000 mm |
| Table Speed (max.) | 20 rpm |
| X-Travel | 9.500 mm |
| X-Axis Feed (max.) | 10.000 mm/min |
| Z-Travel | 3.500 mm |
| Z-Axis Feed (max.) | 10.000 mm/min |
| W-Travel | 4.000 mm |
| W-Axis Feed (max.) | 250 mm/min |

Gear Cutting

| | |
|----------------------------------|-----------------|
| Cutting Diameter | up to 16.000 mm |
| Max. Module (spur/helical) | 50 |
| Max. Facewidth | 1.500 mm |
| Cutting Head Tilt | ±45 ° |
| Max. Table Load (incl. Supports) | 350 t |
| Cutting Quality AGMA | 10 |
| Cutting Quality DIN | 8 |

Vertical BORING & cutting Machine



Drilling/Milling

Max. Torque 1.016 kNm

Rotational Speed Range 0.003-2 rpm

Max. Milling Diameter 550 mm

Turning

Max. Workpiece Height 6.000 mm

Turning Diameter 2.000-16.000 mm

Max. Table Load (incl. Supports) 450 t

Working Environment

Temperature Control ± 1 °C

Accuracy

Work Area 2.000 m²

Max. Crane Capacity 160 t



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VBCM 16

Installed in a temperature-controlled building in our Hattingen (Germany) FCMD facility, the VBCM16 is equipped with the latest machining and gear-cutting technology. Our crane installation enables us to handle items up to 160t.

Capable of handling parts to $\varnothing 16\text{m}$ (52'), it can hold 450t on its table for turning operations (350t for gear cutting), accommodate part heights to 6000mm, and cut high-hardness gears of tooth size up to m50 and face widths to 1500mm.



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