



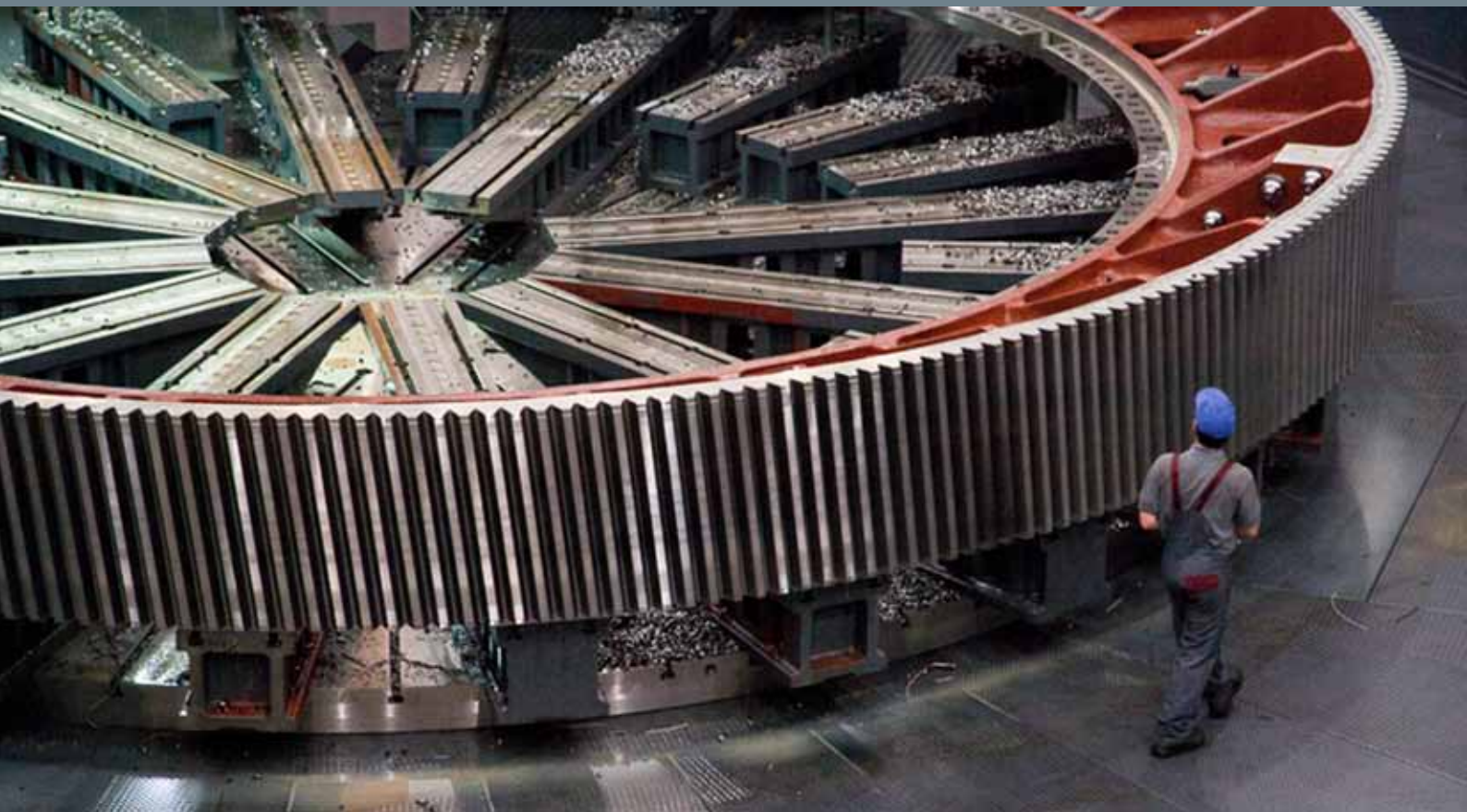
VBCM16

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



>> Taking heavy industry to another dimension <<

Vertical boring & CUTTING Machine



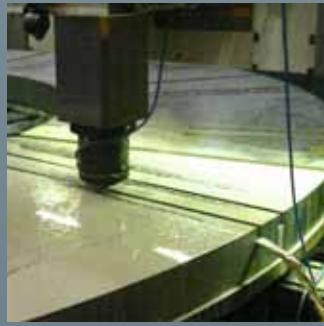
General Specifications

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 m ²
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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