

Product information

Universal gear measuring center MarGear GMX 400 W

Product features

Precision, fully automatic testing of gears up to an outer diameter of 400 mm

Combining gear measuring tasks with various form & position features has never been easier

With over 6000 units sold, the MarWin environment is a clear and simple way of creating complete programs in Teach In mode
Improves programming efficiency and reduces the possibility of incorrect use

Proven GMX realtime machine error correction is also used for positioning movements with the new MarEcon control unit, guaranteeing maximum speed and precision throughout the entire measuring and movement sequence

Application

Fully automatic testing of:

- Straight and helical toothed cylindrical gears
- Form and position measurements
- Diameters and lengths



Item no.: 5442006

Technical data

Measuring path X (mm)	200
Measuring path Y (mm)	200
Measuring path Z (mm)	320
Diameter max.* [mm]	400
Distance between peaks [mm]	2 ... 700
Length (mm)	1520
Width (mm)	621
Height (mm)	1920
Mass [kg]	760
Max. workpiece weight [kg]	60
Accuracy	Accuracy class I for gear measurements in accordance with VDI/VDE 2612/2613 Group 1 at 20°C ± 2°C
Axial runout deviation (µm+µm/mm measuring radius)	0.11 µm + 0.0008 µm/mm
Radial runout deviation (µm in table height)	≤ 0.11 µm
Footer text	* Max. diameter of cylindrical gears