



MIKRON
Spiral pinion
gear

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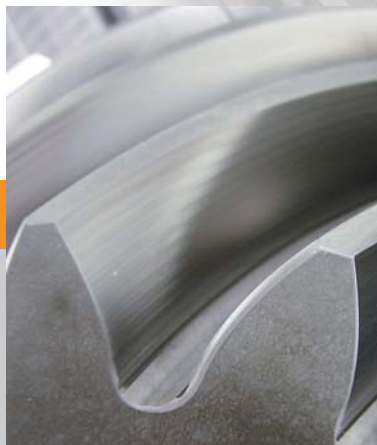
MIKRON HPM 600 U - 1850 U

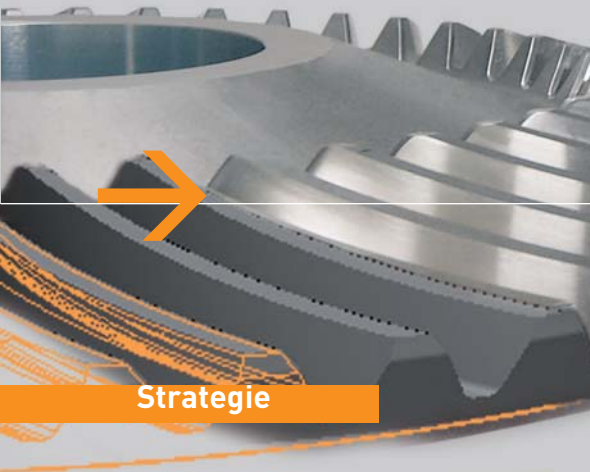
Machining in 5 axis, high end and simultaneous

Highest requirements for stability, accuracy, surface quality and process safety



- Economic manufacturing of bevel gears in different sizes on 5 axes high performance machining centres
- Achievable quality according DIN 3965 up to Q2 / Q3
- Dimension up to 1'800mm and 4000kg
- Shortest production times
- Flexible production of different types of spiral bevel gears
- Complete processing in one setup
- Automatic in process alignment and measuring



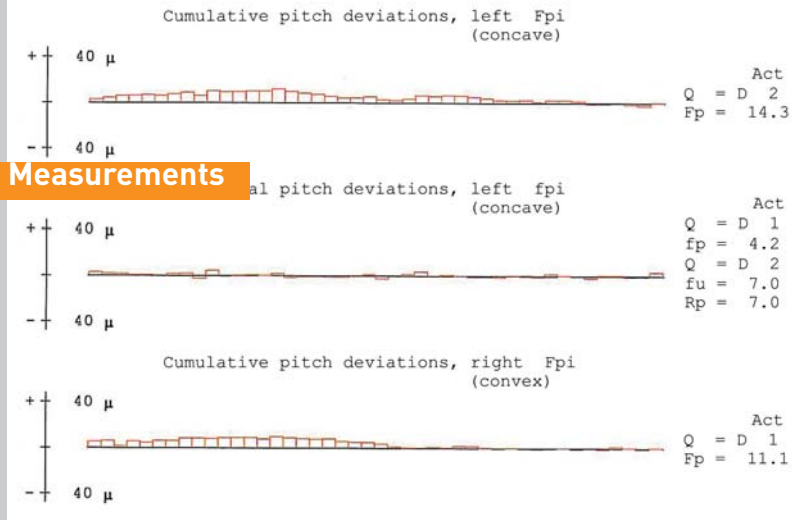


Description	Unit	Ø 330 mm, Pinion	Ø 1200 mm, Bevel gear
Material	mm	High-alloy case hardening steel	High-alloy case hardening steel
Name	DIN	1.6587	1.6587
Hardness	HRc	61	61
Dimensions	Ø mm	330	1200
Number of teeth		17 (module 15)	44 (module 17)
Number of tools		2	2
Max. spindle speed	min ⁻¹	6'000	5'684
Max. spindle feed	mm/min	1800	1818
Precision	DIN 3965	Q2	Q2
Surface finish	Rz [µm]	2.0	1.9
Machining time/Finishing	Min	7 min 9 sec / tooth	6 min 8 sec / tooth
Technology applied		5-axis simultaneous	5-axis simultaneous

Strategie

Pitch DEVIATION MEASURING REPORT (acc. to DIN 3965)

Pitch point definition = A pitch point master grid konvex =)
pitch point master grid concav =)



Measurements

Applications



Let us convince you!

In our Application Center, we will give you a demonstration with all the possibilities.

At a glance

Achieve more

We commit ourselves to a promise. That promise is "Achieve more." It's a commitment to create the right conditions for our customers to obtain competitive results. When our customers win, we win.

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We enable our customers to run their businesses efficiently and effectively by offering innovative Milling, EDM Laser and Automation solutions. A comprehensive package of Customer Services completes our proposition.

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