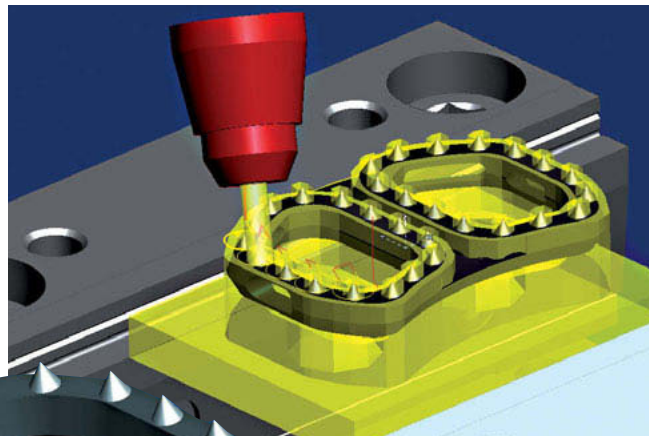


Bone anchor: milled on a Chiron FZ 08K S MAGNUM five axis

hyperMILL® offers a versatile range of 3D strategies. Thanks to fully automated collision control, programming is quick and easy; tool angles and positions are largely generated automatically. Depending on the part geometry and the machine kinematics, users can choose between „3+2“, „automatic indexing“ and „5-axis simultaneous machining“.



5-axis swarf cutting:

The larger depth-of-cut in 5-axis swarf cutting reduce machining times and ensure a superior surface quality. Multiple axial and lateral infeeds also make this strategy suitable for roughing. Machining is optimised through the definition of milling and stop surfaces, and through stock tracking.



Machine: Chiron FZ 08K S MAGNUM five axis

Main Spindle	RPM ranges	10.500/15.000/ 30.000/40.000 min ⁻¹
Workspace	Rapid traverse/feed rate Traverse path X/Y/Z	75 m/min 450/270/310 mm
NC table	Clamping surface Swivel range (B-axis) Rotative range C-axis Max. workpiece weight	Ø 245 mm +/- 100° 360° 80 kg
Tool	Tool magazine Milling performance Tool change time Chp-to-chip time Max tool length /-Ø Tool adapter	24/40/130/226 60 cm ³ /min ca. 0,8 s 1,9 s 200 mm / Ø 100 mm HSK-A40 / HSK-E40
Automation	Controller	Siemens 840 D Fanne 31i-A5 Heidenhain iTNC 530
Workpiece	Dimensions Material	28 x 20 x 4 mm Titanium



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