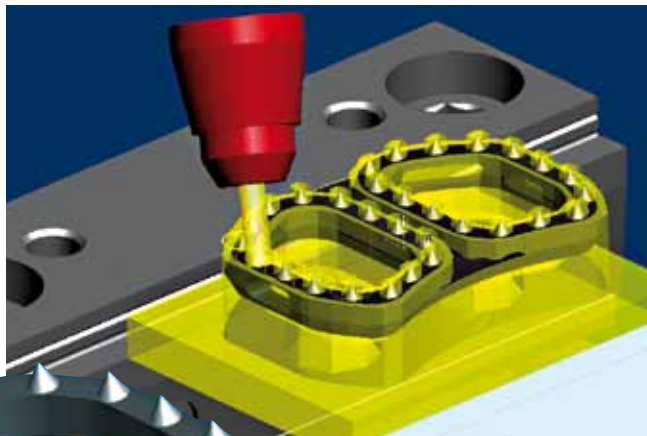


### Bone anchor: milled on a Chiron FZ o8K S MAGNUM five axis

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 „5AXIS simultaneous machining“.



**5AXIS swarf cutting:** The larger depth-of-cut in 5AXIS 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 o8K S MAGNUM five axis

Main Spindle	RPM ranges	10.500/15.000/ 30.000/40.000 min <sup>-1</sup>
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 <sup>3</sup> /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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