

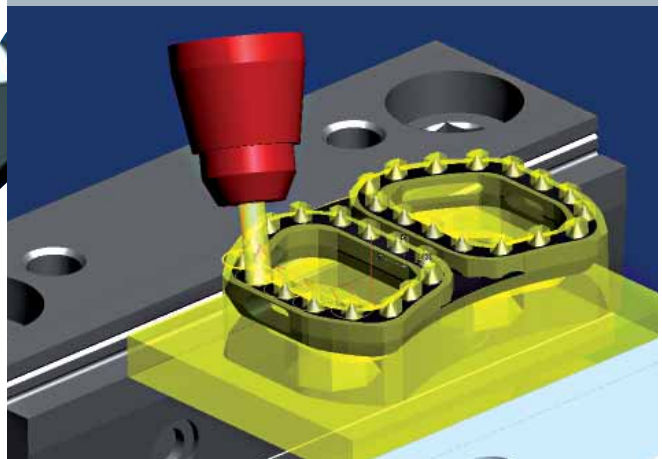
## Bone anchor machining on the FZ o8K S MAGNUM five axis

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:** FZ o8K S Magnum five axis

**Traverse path X axis:** 450 mm

**Traverse path Y axis:** 270 mm

**Traverse path Z axis:** 310 mm

**Rapid travel up to:** 75 m/min

**Spindle RPMs:** 10,500/ 15,000/ 30,000/ 40,000 min<sup>-1</sup>

**Milling output:** 60 cm<sup>3</sup>/min

**Tools:** 24/ 40/ 178/ 273

**Tool change time:** approx. 0,8 s

**Chip-to-chip time:** 1,9 s

**Material:** Titanium



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