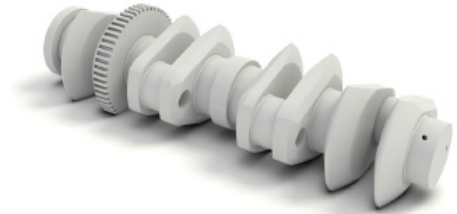
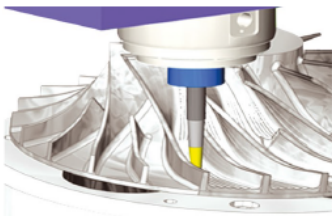


VANC Simultaneous 5-axis machining

The intelligent and efficient 5-axis machining is designed for complex applications and industries such as cylinder heads, impellers, mould cores, cavities, and the aerospace industry.

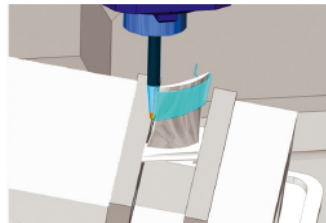


KEY BENEFITS



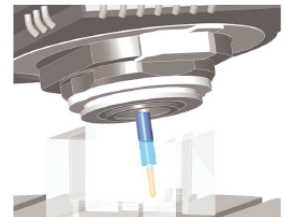
- Industry-proven applications
- Effective implementation
- Comprehensive technological possibilities

BASICS



- Using common types of tools and holders (such as ball mills, Lollipop mills, etc.)
- Support of all types of machines
- Processing of surfaces, curves or solid models

MACHINING HIGHLIGHTS

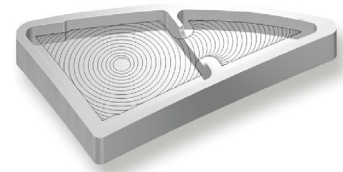


- NURBS surfaces, STL geometry or wire frame models
- Simultaneous 5-axis roughing
- Hobbing for side wall machining
- 3-to-5-axis conversion
- 4-axis rotary machining

Overview VANC Simultaneous 5-axis machining

Simultaneous Roughing

- Multi-pass roughing in Z or XY increment
- The adaptive roughing calculates the optimal directions, the retraction and the compound movements
- Automatic collisions avoidance
- Support of the raw part to minimise air cuts and to optimise feed rates



Simultaneous Finishing

- Hobbing for lateral machining
- Flowline cycle for processing blades
- Geodesic option for editing undercuts with morphing and spiral options
- Machining paths and angles taking into account the machine's ranges of travel



Advanced Simultaneous Finishing

- Fast and automated strategies for complex components
 - Blades
 - Blisks
 - Impeller
 - Channel milling
- 3 to 5 axis conversion

