Complex surface machining places high demands on programming systems and the experience of CNC programmers, both for single-spot and meridian machining operations. Complex surface machining can be used efficiently to produce radial and axial compressors and turbines. RCMT experts offer proposing cost-effective production methods respecting the required dimensional accuracy and surface quality.

Machining of complex blade surfaces is characterised by extreme shape complexity and high accuracy requirements. RCMT offers:

- Technically viable and cost-effective solutions
- Selection of tool path strategies and tool geometries
- Optimization of cutting conditions
- Virtual check of NC codes using machine tool virtual models

Detail of blades of a compressor wheel

Simulations of complex 5-axis machining

A wax model of a gas miniturbine and the resulting casting

Manufacturing of a radial compressor wheel