

## SCOPE OF SUPPLY OPTICAM 2021

- Automatic and semi-automatic feature recognition based on 3D or 2D data
- Automatic start hole assignment
- Cylindrical machining
- Constant and variable taper
- 4 axis machining with automatic synchronization
- Inclined machining
- Collar machining
- Subsequent positioning of a taper despite cylindrical construction (constant, variable or as collar machining)
- Pocketing of cylindrical and conical parts (pocketing of 4 axis features optional)
- Partial pocketing of small areas within a geometry (optional)
- Technology databases
- Multiple tags
- Machining strategies
- Lead in/off strategies
- Corner relief
- Variable reference plane heights
- Automatic wire cut / wire thread
- Thread at an angle
- Reverse cutting
- Automatic positioning
- Automatic clustering of identical geometries
- Templates and their automatic assignment
- Multi part programming
- Setup sheet
- Time calculation
- 3D simulation
- Maximum UV deflection check
- Maximum taper angle check
- Support of assemblies
- Outline of a solid
- Output variable taper as 4 axis machining
- Support of machine origins
- Radius manipulation
- Module slug retention (optional)
- Modify internal corners
- Transformation group
- Optimization of processing order
- Support of rotary axis (optional)
- Gear module (optional)
- Deactivation of individual cuts
- Extension of last cuts
- Supported languages: English, German, French, Italian, Spanish, Portuguese, Russian, Czech, Chinese simplified, Chinese traditional, Japanese