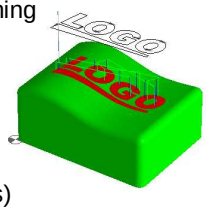
MAYKA PRO

All the innovative machining functions all in one package

A complete 3 & 4 cutting software with the tools you need

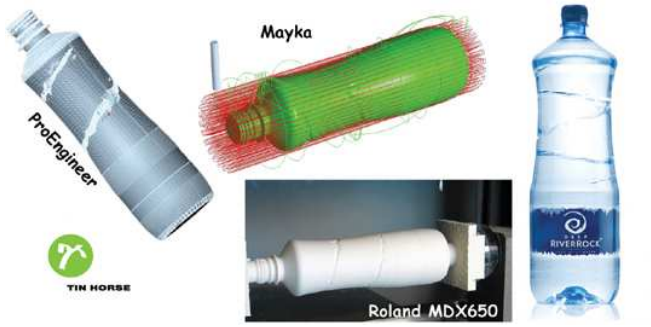
2D machining

- Contouring with left and right tool compensation
- Spiral pocket machining cycles for roughing and finishing
- Sweeping (Hatching) areas
- Contour centerline cutting
- Raised angle carving with conical tools



3D machining

- 3 & 4 axis machining (4 axis positioning or continuous)
- Sweeping in all directions
- Optimised roughing strategies
- Model profiling of all boundries
- Z constant waterline cutting
- Multiple cutting areas in cartessian, polar and cylindrical
- Automatic machining of parallel planes by pocketing cycle's
- Cutting of all curved and non flat areas automatically
- Cutting limited to the partion line of the model
- Drilling, surfacing, core roughing
- Inside and outside cylindrical cutting for rings etc.
- Attachment creation to support parts in 2 sided machining
- Toolpath simulation and animation with cycle timings
- Tool geometry and spindle collet collision detection.
- Residual machining during roughing.
- Rest machining for finishing.
- Various ways to place and manipulate your objects
- Tool libraries for your favourite tool shapes
- Engraving of 2D outlines projected onto your 3D models
- Rhinoceros Plugin to transfer curves and meshes directly into Mayka.



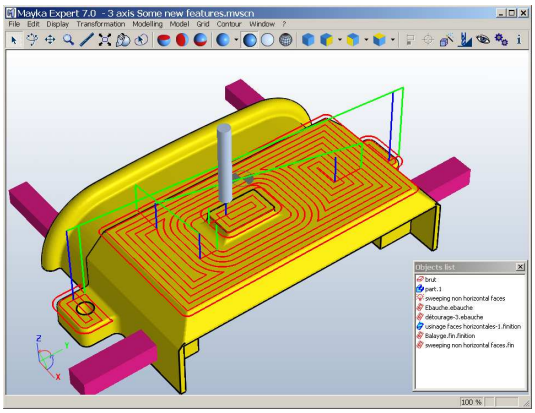
The solution to packaging concepts

Compatibility

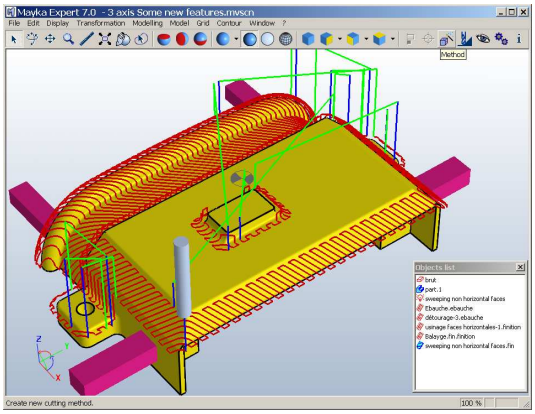
Mayka is totally compatible with a wide range of design softwares that export STL, DXF etc.

Its applications are widely varied: Rapid prototyping, jewellery, engraving, direct machining of digitised files, ceramics, stone machining and more ... …

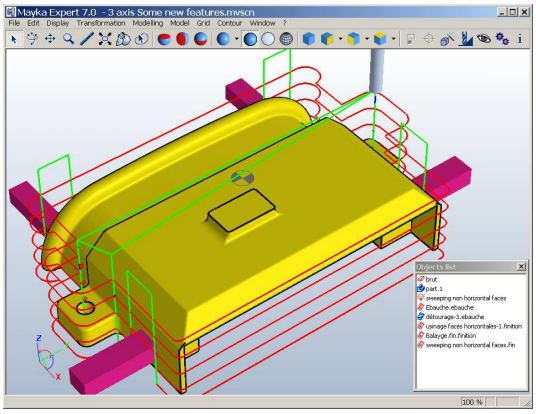
The parameterised post processing engine allows all 3 & 4 axis machines to be utilised with Mayka's post processors.



Automatic 2½D strategies



Generate cutting of non horizontal feature zones



Profiling the silhouette of the model

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