

## : part modeler

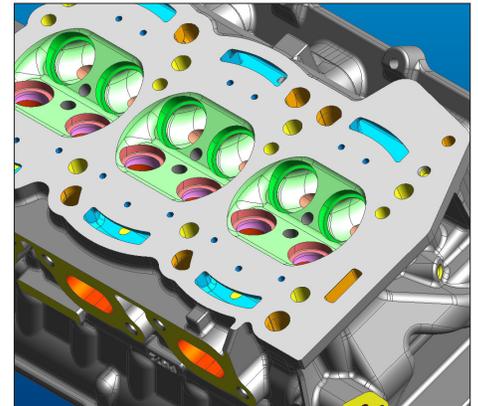
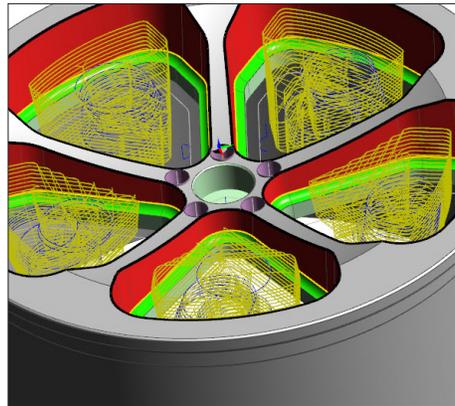
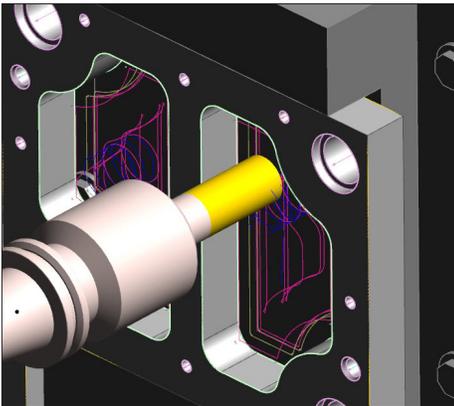
Rapid Modelling for Manufacturing

Surfcam Part Modeler is a cost effective, 3D modeling tool specifically designed for quick and simple construction / modification of solid models.

### Key Features

Surfcam Part Modeler will import and manipulate files from most CAD systems, including :

SolidWorks  
Pro/ENGINEER  
CATIA  
Solid Edge  
Unigraphics NX  
STEP  
IGES  
DXF



Surfcam Part Modeler comes complete with fully associative drafting capability. It's the perfect complement to Surfcam Solid Machinist – providing advanced modelling tools to create parts or workholding systems such as chuck jaws or fixtures. The major features of a machine tool can also be modelled, for accurate cutting simulation and collision detection within Surfcam.

With the ability to execute a series of logically grouped construction operations as a single keystroke, Surfcam Part Modeler enables rules to be applied simultaneously across multiple parts of an assembly with automatic part-to-part compatibility. Full associativity is maintained across 2D and 3D drafting; isometric, plan and orthogonal views; standard and ordinate dimensioning; and geometric tolerancing.

Part Modeler's intuitive user interface can be quickly and easily tailored to individual requirements, with features such as dockable windows and customizable menus and toolbars ensuring a highly productive, smooth and seamless progression from design concept through to finished component model and detail drawing.

Tighter integration between engineering and manufacturing paves the way to increased productivity.

### Surfcam Solid Machinist

Surfcam Solid Machinist is a powerful and seamlessly integrated CAM system for generating machining strategies and NC code from solid models. Part Modeler data is loaded directly into Surfcam, where innovative functionality offers state-of-the-art solids-based machining.

Automatic feature recognition enables machinable features to be identified with Surfcam, then offers the most appropriate tooling and strategies to cut them. The associative link between Surfcam Solid Machinist and the original Part Modeler data means that even late design changes won't affect lead times.

### Surfcam Strategy Manager

Used in conjunction with Surfcam Solid Machinist, Surfcam Strategy Manager provides automated machining of solids and a rapid return on investment through increased productivity.

The application streamlines part programming by capturing the knowledge from previously machined parts and applying it to new components, eliminating programming errors and delivering an unprecedented level of consistency and automation.