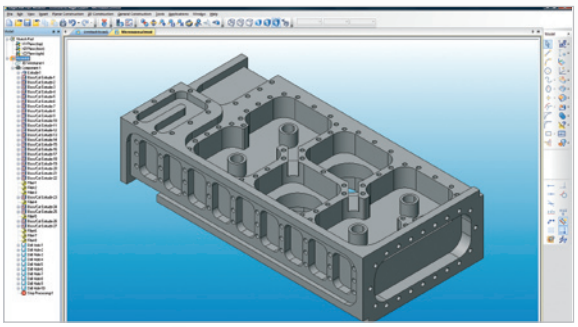
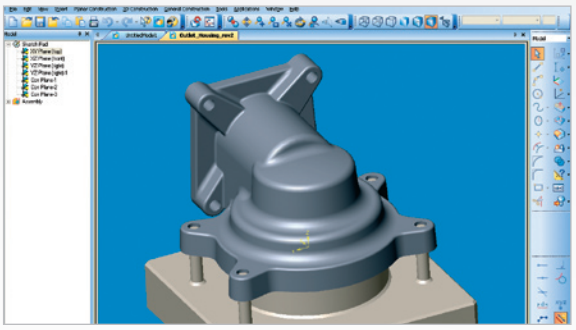
edgecam

Part Modeler

Rapid modelling for manufacture

Edgecam Part Modeler is a 3D modelling tool specifically designed for quick and simple construction and/or modification of solid models. Cost effective and easy to use, Part Modeler comes complete with fully associative drafting capability. It's the perfect complement to Edgecam 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 Edgecam.





Edgecam Part Modeler will import and manipulate files from most CAD systems, including SolidWorks®, Solid Edge®, Unigraphics NX® and STEP files. Support for IGES, DXF and Parasolid is also included. In addition, Part Modeler offers functionality to 'clean and heal' and 'sew surfaces' to quickly restore imported files that need repairing.

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

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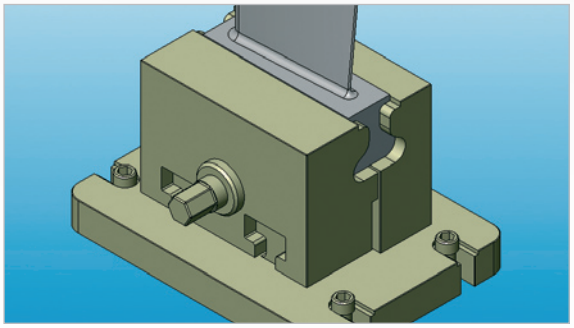
With the ability to execute a series of logically grouped construction operations as a single keystroke, Edgecam Part Modeler enables rules to be applied simultaneously across multiple parts of an assembly with automatic part-to-part compatibility. Full associativity is maintained across 2D and 3D drafting;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



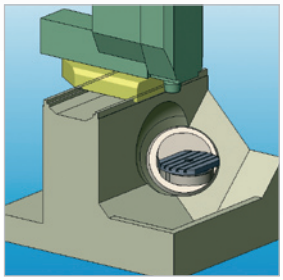
Tighter integration between engineering and manufacturing paves the way to increased productivity. Why not let Edgecam Part Modeler – in combination with Edgecam Solid Machinist – be your competitive advantage?

Edgecam Solid Machinist

Edgecam 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 Edgecam, where innovative functionality offers state-of-the-art solids-based machining. Automatic feature recognition enables machineable features to be identified, with Edgecam then offering the most appropriate tooling and strategies to cut them. The associative link between Edgecam Solid Machinist and the original Part Modeler data means that even late design changes won't affect lead times.

Edgecam Strategy Manager

Used in conjunction with Edgecam Solid Machinist, Edgecam 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.

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