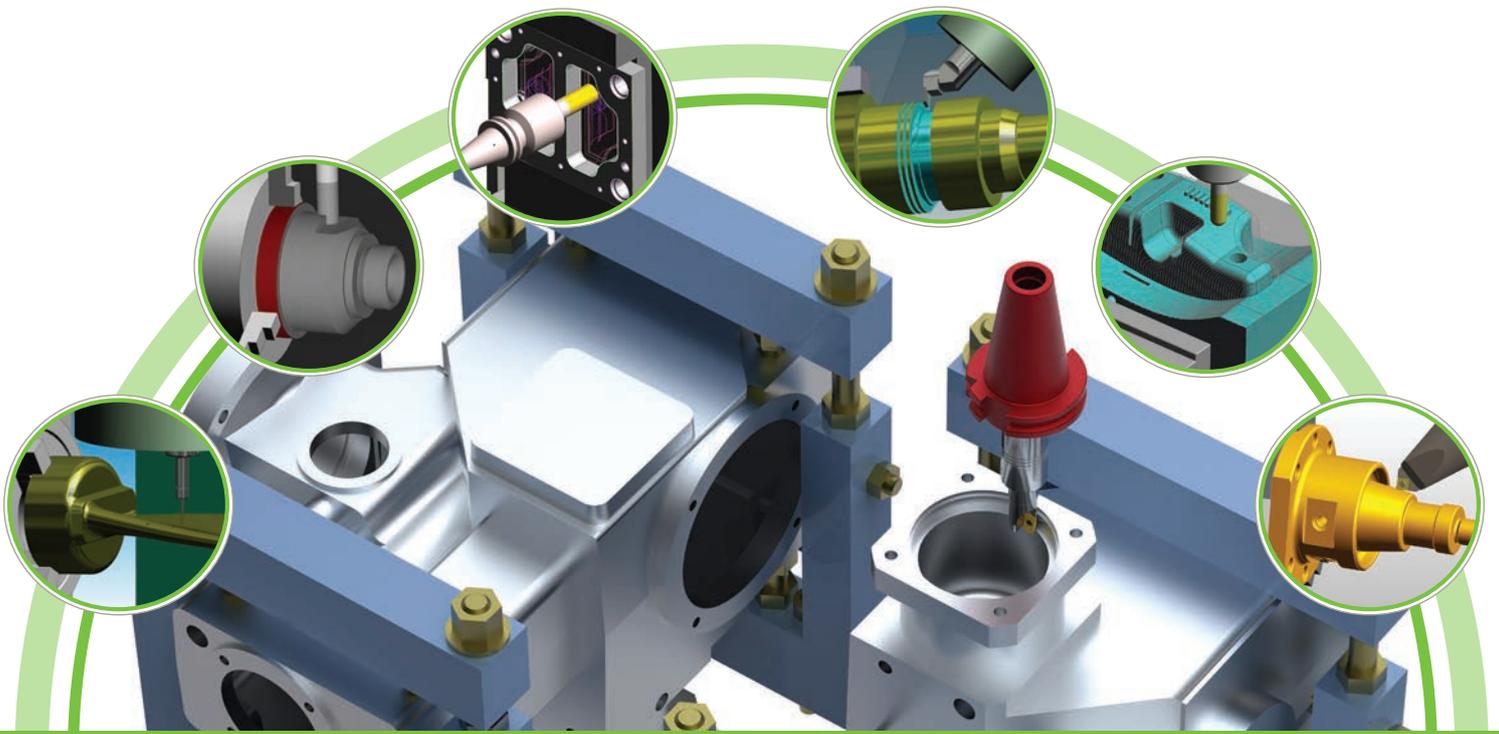


Edgecam

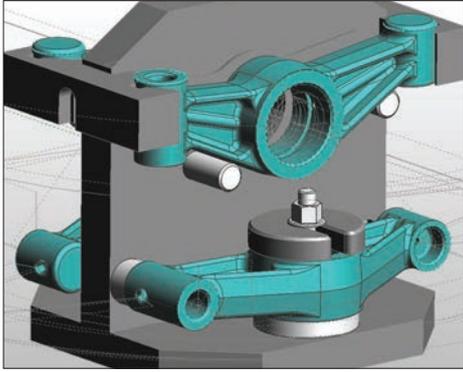
The industry standard CAD neutral Production CAM system

With unparalleled ease of use and sophisticated toolpath generation, Edgecam is the only CAM system you'll need for milling, turning and mill-turn machining.



edgecam

The industry standard CAD ne



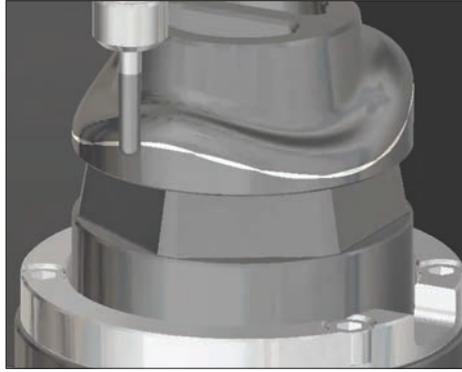
Edgecam solutions combine the power of sophisticated toolpath generation with seamless CAD integration. Used globally within a multitude of industries, Edgecam consistently produces the best tool paths to ultimately improve productivity. With unparalleled ease of use and sophisticated toolpath generation, it is the only CAM system you'll need for milling, turning and mill-turn machining.

In highly competitive markets, automation is the key to reducing programming time and maximising efficiency. Edgecam uses your in-house knowledge and experience to drive the CAM process with automation tools - allowing you to maintain your competitive edge.

Solid Machinist reads native data from all major CAD systems, avoiding data translation problems or potential issues with 3rd party interfaces. State-of-the-art solids-based machining includes automatic feature recognition and full model-to-toolpath associativity.

Full Machine Simulation

Simulator makes accurate models of the machine, complete with turrets, spindles and other moving elements available for full machine simulation and collision detection, helping you to avoid expensive collisions, optimise the cutting process and reduce cycle time.

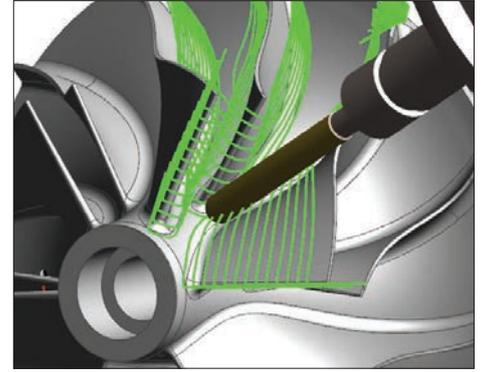


Production Milling

Edgecam provides the production machine shop with a wide range of flexible milling cycles. Machining efficiency is maximized on simple and complex prismatic parts as well as those incorporating sculptured surface geometry. With Edgecam you get prismatic machining combined with powerful 3D solid and surface machining strategies, all in one complete solution.

A wide range of powerful roughing and finishing cycles can handle the most complex components. High performance 3-Axis cycles are complemented by a range of 4 and 5-Axis simultaneous strategies to increase flexibility and efficiency of the machining process.

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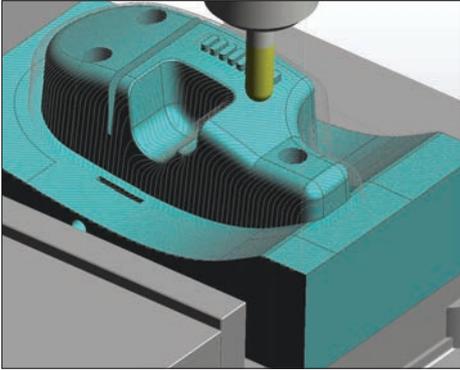
4 and 5-Axis Machining

Edgecam 4 and 5-Axis milling products are designed to meet the production machining requirements of industries such as aerospace, automotive, medical and oil & gas. The ability to machine complex parts from solid that would previously have to be cast. This approach is highly beneficial for prototypes and small volume runs and is particularly applicable with the latest Mill/Turn machines.

4 and 5-Axis simultaneous machining offers key advantages over conventional indexed 3-Axis machining:

- Reduced cycle time by machining complex components using a single setup. In addition to time savings improved accuracy can also be achieved as the potential for positioning errors between setups is eliminated.
- Improved surface finish and extended tool life by tilting the tool to maintain the optimum tool to part contact point at all times.
- Improved access to undercuts and deep pockets through tilting the tool or component allows shorter series tooling to be employed, further improving the surface finish and eliminating the need for secondary setups.

Central Production CAM system



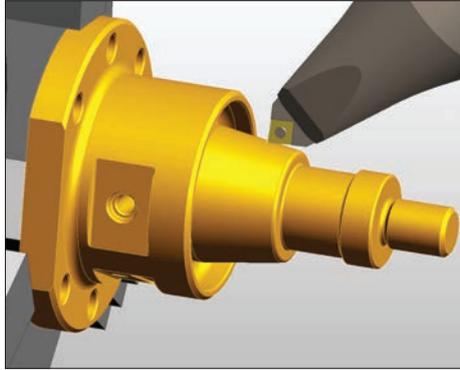
Mould and Die

Edgecam provides a complete Mould and Die solution for generating high quality toolpaths that meet the demands of manufacturers of complex parts and free form shapes. Mould and die makers, pattern makers, prototype manufacturers and press tool makers alike will all benefit from Edgecam's breadth of advanced machining capabilities. With Edgecam you get best in class prismatic machining combined with powerful 3D solid and surface machining strategies, all in one solution.

Edgecam can load files from major CAD systems, including Autodesk Inventor®, Solid Edge®, SolidWorks®, Pro/ENGINEER®, Pro/DESKTOP®, Unigraphics files up to and including NX5, and CATIA V5.

EdgeCAM also accepts files in the following independent formats: IGES, DXF, VDA, Parasolid®, STEP AP203 and AP214 files and ACIS.

Edgecam does much more than generate NC code. Using innovative productivity tools, Edgecam develops machining strategies that optimise toolpaths, eliminate unnecessary air cutting, maximize tool life, reduce programming time and increase overall productivity. Edgecam is ideal for mould and die applications, combining simple 2-Axis machining functionality for plates, and advanced 3-Axis machining cycles for more complex geometry.



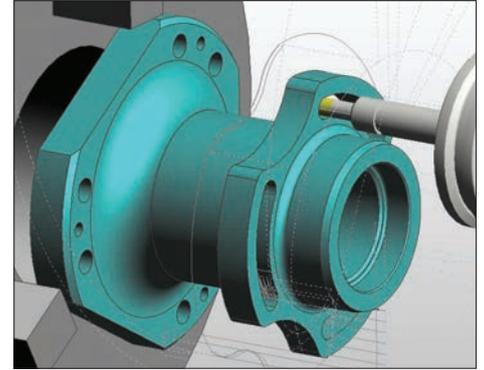
Production Turning

Edgecam Turning provides functionality for a wide range of machine tools, including 2-Axis lathes, multi-turret configurations, sub-spindle turning centres and mill/turn machines. On a mill/turn machine, C-, Y- and B-Axis milling and drilling take place within the same program as the turning to provide a fully integrated and associative programming solution.

Ease of use and an understanding that cycle times are critical, especially on multi-configuration mill/turn machines, underpin the development of Edgecam's turning functionality.

Edgecam produces advanced rough and finish turning cycles, together with support for facing, boring and drilling in either canned cycle or longhand format. Toolpath calculation takes into consideration the complete tooling insert and previously machined material to avoid gouging and eliminate air cutting.

Edgecam offers support for Sandvik Coromant Wiper inserts for turning tools, allowing these productivity enhancing inserts to be used reliably in all aspects of production machining.



Mill/Turn Machining

With Edgecam you can capitalise on the productivity improvements delivered by mill/ turn machine tool investments, which enable milling and turning operations to be combined in a single setup. The graphical time line allows you to synchronise operations on different turrets and spindles, optimising manufacturing processes and maximising cycle times.

B-Axis Machining

Single set-up machining is the key to boosting metal cutting productivity when milling and turning are done on the same machine tool. Edgecam provides full support for B-axis machining on a mill/turn machine tool, allowing users to benefit from the wide range of milling and drilling cycles by applying them to the B-axis of multi-configuration machine tools.

C- and Y-Axis Mill/Turn

The complete range of Edgecam's milling and hole machining cycles can be implemented on mill/turn machines. Edgecam allows driven tooling to be programmed for machining on the face or the diameter of a component. Switching between Y- and C-Axis modes is a single click process.

Both milling and turning activities can be verified, showing rotary movement of the stock and chuck during C-Axis milling.



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What others have to say

“ We have substantially reduced the cost of machining each component and have reduced our tooling costs on certain projects by 37%. ”

Tony Freeman - Thomson Machine & Tool Company Limited

“ Programming time has been sliced by 90% with Edgecam. The gains are huge, enormous. ”

Aaron Horwood - Tonnard Manufacturing

“ There’s no point in having software that will only program one type of machine. It has to be able to handle machines from all manufacturers, which Edgecam takes in its stride. ”

Ian Mence - Bushell and Meadows

“ Edgecam plays a massive part in reducing complexity and timescales. ”

Jon Raimbach - Oxford Engineering Limited

