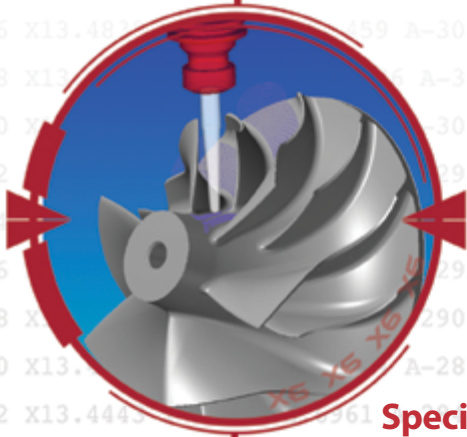


Mastercam X⁶

Blade Expert



Specialized Multiaxis Programming for Multi-bladed Parts

Traditionally, one of the most complex 5-axis challenges is generating toolpaths for impellers, fans, and marine screws. These parts are widely used in power generation, energy transfer, and propulsion.

Blade Expert is a very powerful and easy-to-use custom application, designed to generate efficient, smooth, and gouge free toolpaths for these complex parts. It minimizes unnecessary motion at the machine, which results in a highly efficient toolpath with superior finish quality.

Multi-blade parts come in many configurations, but Blade Expert's common-sense operation process turns these machining challenges into routine solutions:

1. Remove the material from between the blades
2. Finish the blades/splitters
3. Finish the floor
4. Finish the fillets

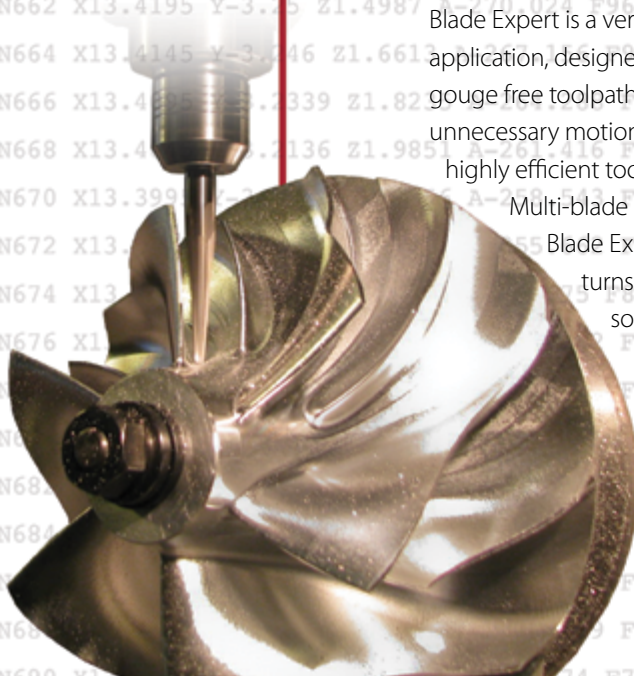
The interface follows the already well established Mastercam standard, used by all other multiaxis toolpaths, ensuring a short learning curve and successful deployment.

Key features:

- Precise, efficient, and smooth cut pattern.
- Automatic stock model awareness eliminates air-cuts.
- Automatic tool axis control ensures collision-free toolpaths.
- Accurate tool tip control means seamless blending and transformation.

Mastercam Blade Expert comes with unparalleled support from the Worlds #1 CAD/CAM software.

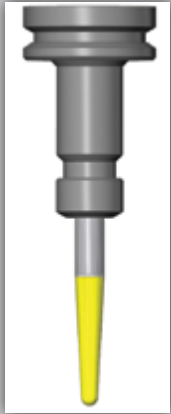
www.mastercammill.com/bladeexpert



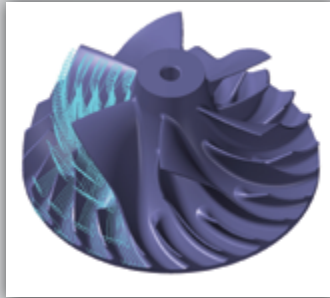
The Blade Expert Process

Step 1:

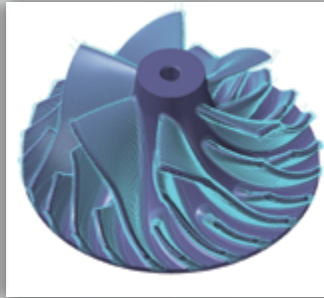
Choose or define your tool.



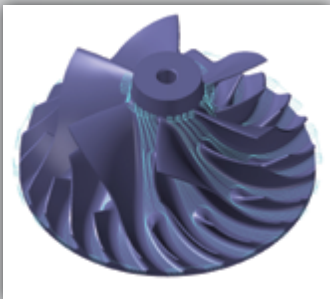
Step 2: Select the operation you would like to perform:



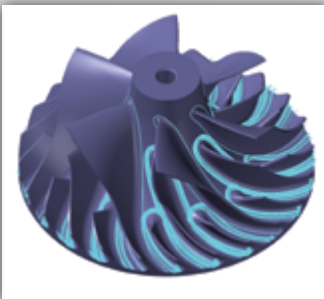
Rough between blades.



Finish the blades and splitters.

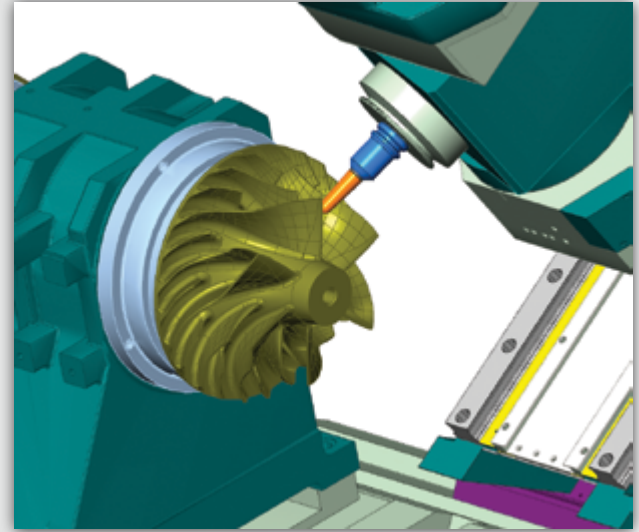


Finish the floor.



Finish the fillets.

Step 3: Define your part features and let Mastercam go to work for you!



“Many of the complex shapes that used to take me up to a day or more to program can now be done in about a half hour.”

- Aaron Eberhard
Centroid Corporation

Mastercam
cnc software, inc.

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Note: Mastercam Blade Expert is a Mastercam Add-On that must be purchased separately. It runs on Mastercam Mill Level 3, Mastercam for SolidWorks® 3D, or Router Pro. Mastercam Multiaxis is not required for Mastercam Blade Expert.

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