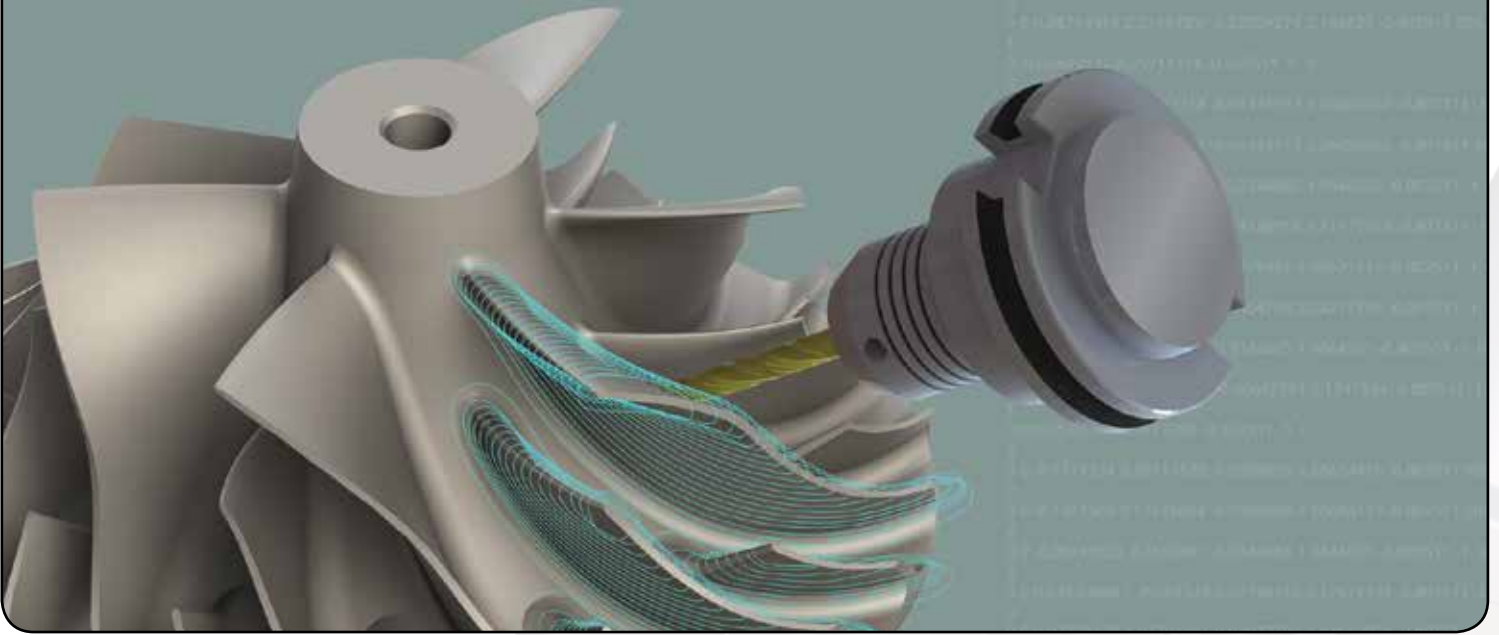


Mastercam®

BLADE EXPERT



○ SPECIALIZED MULTIAXIS PROGRAMMING FOR MULTI-BLADED PARTS

Traditionally, one of the most complex 5-axis challenges is generating toolpaths for impellers, fans, marine screws, and other bladed parts widely used in power generation, energy transfer, and propulsion. Blade Expert is a powerful, 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, delivering a highly-efficient toolpath with superior finish quality.

Self-Contained Processing

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

- Remove the material from between the blades.
- Finish the blades/splitters.
- Finish the floor.
- Finish the fillets.

Additional Features and Benefits:

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

Key Features:

- Precise, efficient, and smooth cut pattern.
- Supports straight, bull, and ball nose cutters.
- Automatic stock model awareness eliminates air-cuts.
- Automatic tool axis control for safe toolpaths.
- Accurate tool tip control for seamless blending and transformation.

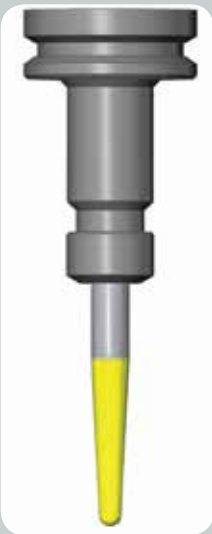
Mastercam Add-On

Mastercam Blade Expert comes with unparalleled support from the World's #1 CAD/CAM software.
www.MastercamMill.com/BladeExpert

THE BLADE EXPERT PROCESS

STEP 1:

Choose or define your tool

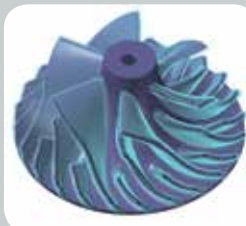


STEP 2:

Select the operation you would like to perform:



Rough between blades



Finish the blades and splitters



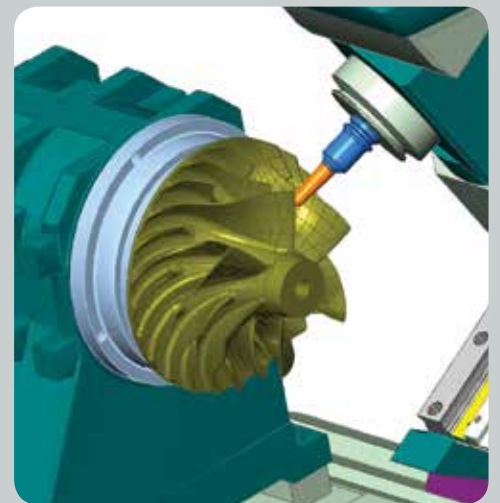
Finish the floor



Finish the fillets

STEP 3:

Define your part features and let Mastercam go to work



Note: Mastercam Blade Expert is a Mastercam Add-On that must be purchased separately. It runs on Mastercam Mill 3D, Mastercam® for SOLIDWORKS® 3D, or Router 3D.

Mastercam Multiaxis is not required for Mastercam Blade Expert.

“Precision turbines and fans are tricky to manufacture. We added Blade Expert to our shop’s ‘toolbox’ because it gives us complete control and doesn’t require a lot of training. It definitely keeps us ahead.”

Simon Griffiths-Hughes, 5-Axis Manager,
FGP Precision Engineering
Weymouth, Dorset, England

For more information, visit
www.MastercamMill.com/BladeExpert



CNC Software, Inc.
671 Old Post Road
Tolland, CT 06084



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Mastercam®
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