

Revolutionize Roughing: Smarter, Faster, and More Predictable Machining - Made Easier.

The background image shows a CNC machine in operation, with a tool bit cutting into a workpiece. A digital readout (DRO) system is visible in the background, displaying various metrics like 'POWER CONSUMPTION', 'MNT TIME 1', and 'MNT TIME 2'. The 'volumill' logo is prominently displayed in the lower-left corner of the image area, with the tagline 'Because it works™' below it.

volumill™
Because it works™

VoluMill from Celeritive Technologies is the industry's leading high-performance roughing solution, delivering faster cycle times, extended tool life, and unmatched reliability for CNC programmers and machinists. Designed for ease of use and maximum versatility, VoluMill is fully integrated into your existing CAM workflow and works with all part materials and geometries.

KEY BENEFITS

Faster Cycle Times

VoluMill generates optimized toolpaths with continuous tangent motion that enable significantly higher material removal rates while reducing machine wear.

Extended Tool Life

By maintaining consistent chip thickness and cutting pressure, VoluMill eliminates shock loads and heat spikes that reduce tool longevity.

Easy to Use

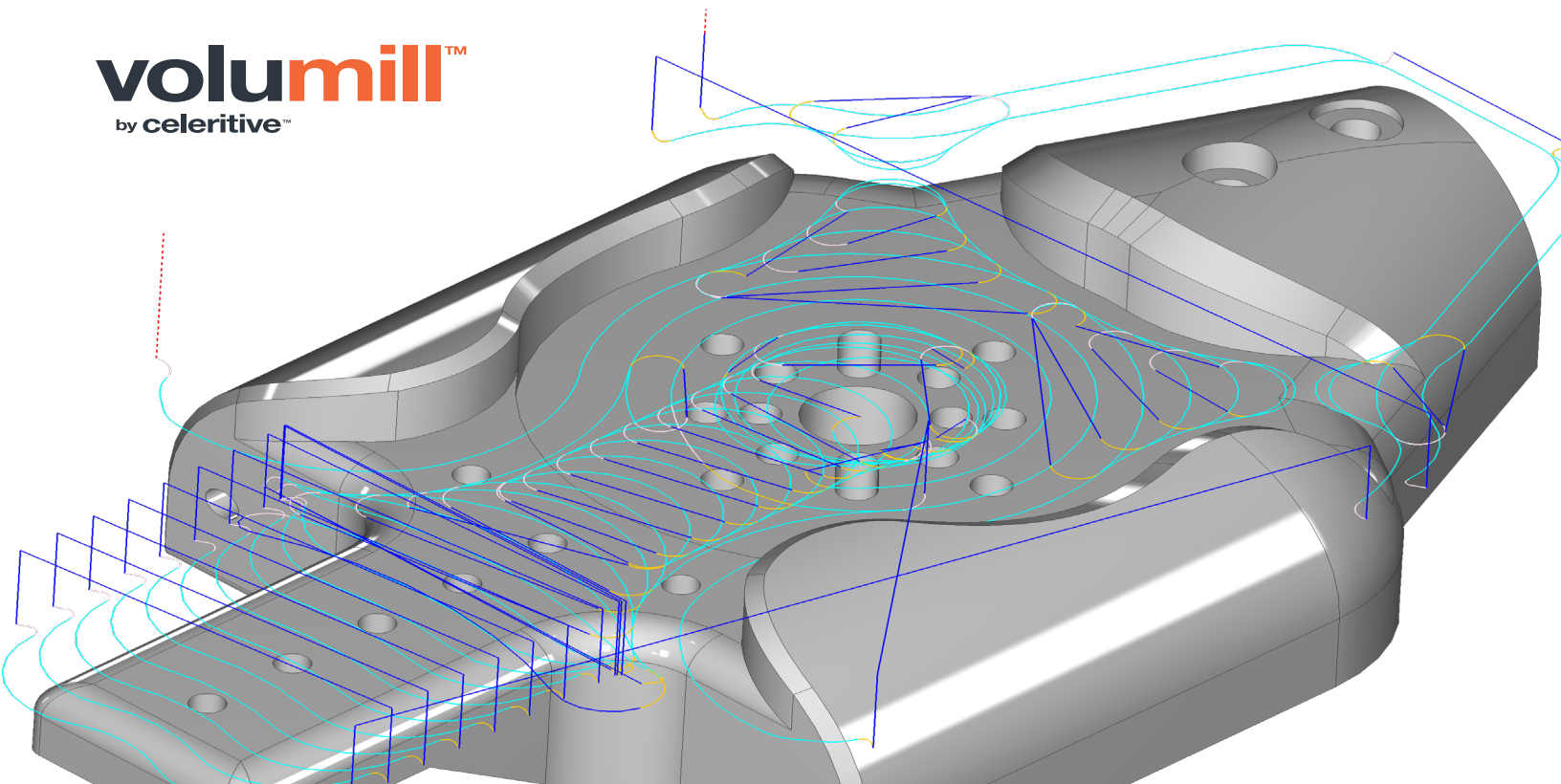
Designed for all CAM users, VoluMill requires minimal input and delivers optimized results with just a few mouse clicks.

Platform-Integrated

Seamlessly embedded into popular CAM platforms like Siemens NX, VoluMill fits into your existing workflow without external steps or exports.

Works with All Materials

Whether machining aluminum, steel, titanium, or exotic alloys, VoluMill ensures safe and efficient roughing across the board.



Technology Expert with Operation Templates

VoluMill includes the Technology Expert, a built-in optimization engine that uses physics-based modeling to automatically calculate optimal cutting parameters based on part geometry, material, and tooling. Preconfigured operation templates make it easy to apply best practices instantly, reducing setup time and ensuring consistent high-performance results.

How It Works

VoluMill employs advanced physics-based algorithms that dynamically calculate the ideal cutting conditions throughout the entire toolpath. By avoiding abrupt changes in direction and controlling engagement angles, it ensures constant tool load and optimal chip formation. This results in smoother machining, reduced heat buildup, and improved surface quality.

VoluMill automatically adjusts feedrates based on cutting conditions and machine-tool capabilities, allowing operators to safely utilize the full potential of their equipment.

Ideal For:

- Machine shops focused on reducing tooling costs
- High-mix/low-volume and production environments
- Shops working with hard-to-machine materials

Available for Siemens NX CAM

Experience the power of VoluMill directly within NX CAM. Fully integrated and ready to deploy, VoluMill makes high-efficiency roughing easier than ever.

Learn more at <https://www.volumill.com/products/volumill>

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