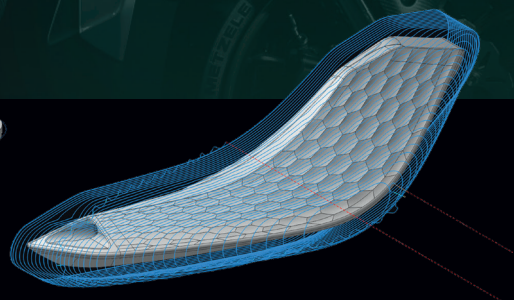
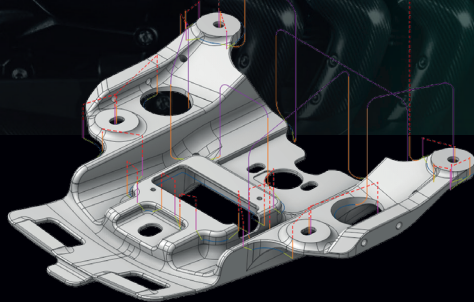
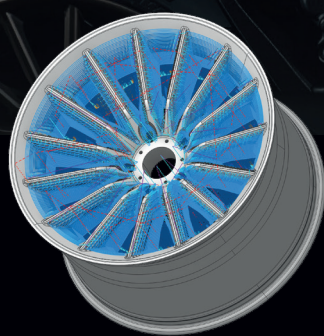


2.0



Simply Packed with Innovation, Beauty, and Power

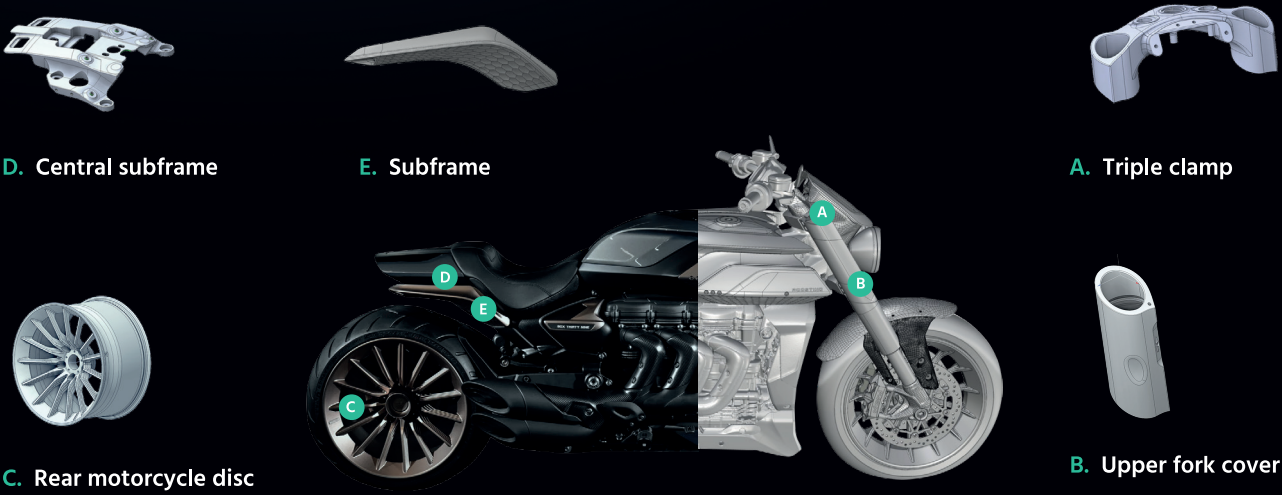
Discover what's new in ENCY 2.0, and why BOX39, the world's premier custom motorcycle atelier, made the move from their previous CAD/CAM system to ENCY to power their CNC machining and industrial robotics programming.

"For nearly a decade, we used the same CAM system, always hesitant to switch — afraid of losing performance. Then we discovered ENCY, and realized it was exactly the tool we had been searching for all along. A perfect interface, effortless to learn and use, with limitless capabilities and power — just what the new generation needs."

—Vlad Belyakov, CEO BOX39, Dubai



Under the Hood of ENCY CAD/CAM Software



A. Triple clamp

For the triple clamp, ENCY handles projects with dozens of operations while ensuring reliability through full G-code verification. Machined results can be compared directly with the target CAD model, guaranteeing accuracy at every stage. Indexed milling and probing are available by default in every milling module, making it simple to set up and execute even the most complex, multi-operation parts — without errors and right the first time.

B. Upper fork cover

For the upper fork cover, ENCY automatically recognizes holes and supports intuitive, interactive setup. Undercut features are efficiently machined with a dedicated undercut operation, while toolpaths are calculated against the actual in-process stock. Together, these capabilities significantly reduce the time required to create machining projects.

C. Rear motorcycle disc

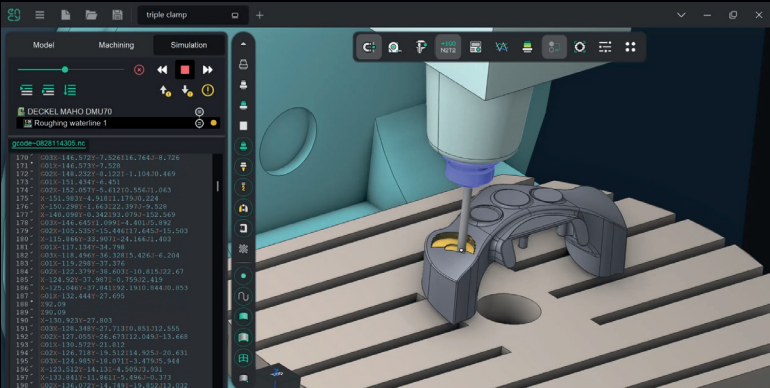
For the rear motorcycle disc, ENCY showcases how easily even large STEP files can be processed and programmed. The 5D surfacing operation delivers rapid calculations with adaptive step control, while providing a wide variety of machining strategies to choose from. This ensures a smooth and precise workflow, resulting in high-quality surfaces straight from the tool — without the need for polishing.

D. Central subframe

For the central subframe, ENCY automatically recognizes chamfers and provides flexible machining options in 3-axis, 3+2, and full 5-axis modes. Corners are automatically refined with smaller diameter tools, ensuring precise finishing where it matters most. This intelligent approach significantly reduces machining time for complex-shaped structural parts while maintaining superior quality.

E. Subframe

For the subframe, ENCY delivers reliable 5-axis programming that fully accounts for the machine's kinematics. Axis maps enable smooth avoidance of singularities and prevent kinematic issues, while a wide range of tool axis control methods provides maximum flexibility. Calculations can be performed with or without TCPM. This ensures predictable and dependable results in every 5-axis machining task.

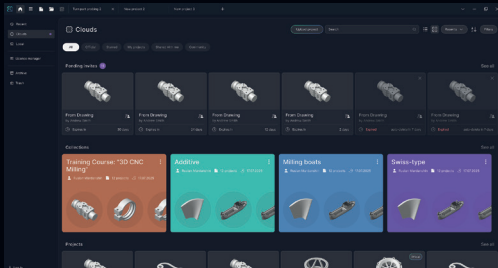


What's New in ENCY 2.0

1 Beauty

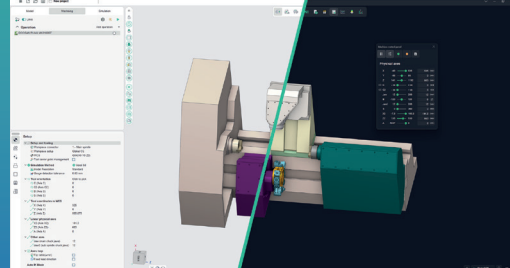
New Home Page

Instant access to your files — complete with previews, a project library, powerful collaboration tools, and all the digital resources you need in one place.



Dark and Light Themes

Alongside our sleek dark interface, we've added a beautiful light theme — choose the look that suits you best.

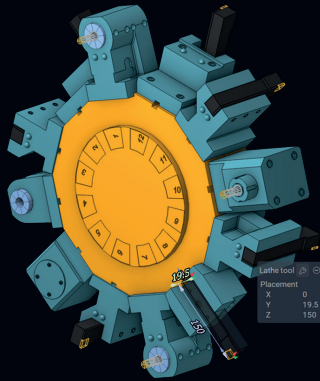


2 Power

Dynamic Tool Assemblies and Smart Setups

Create multi-component tool assemblies, import 3D models from external libraries, or design parts in the built-in CAD—then visualize every detail and adjust machine setups seamlessly as your project comes to life.

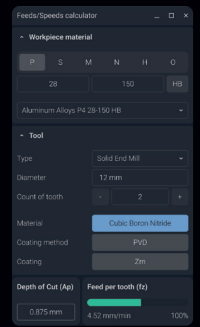
*The functionality will be available as part of the release at the end of 2025.



Next-Gen Feeds and Speeds System

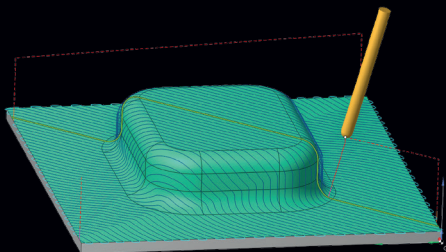
Our next-gen system calculates optimal cutting parameters based on materials, coatings, and machining type, stores them where they belong, and builds a growing knowledge base for faster, smarter, and more precise programming.

*The functionality will be available as part of the release at the end of 2025.



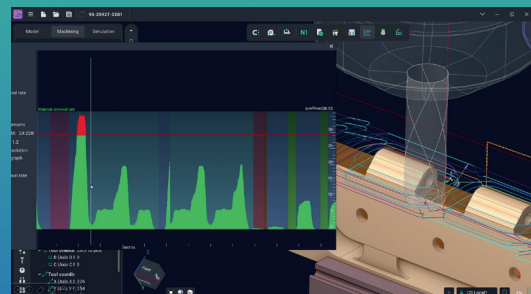
Enhanced 5D Surface Operation

Adaptive step ensures consistent quality on complex surfaces, with barrel tool support and separate axial/radial stock settings for greater finishing efficiency and precision.



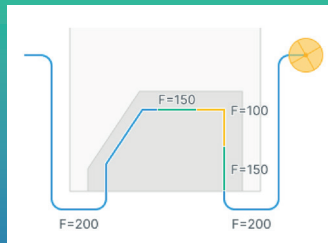
Material Removal Rate Graph

Use volume graph analysis to find the cutting parameters that maximize removal rate while preserving part quality and efficiency.



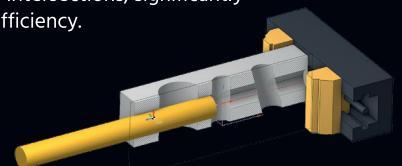
Corner Feed Control

Adjusts feed rates in corners based on user-defined geometry, applying smooth deceleration to protect tools and ensure quality—visualized in simulation and CLDATA.



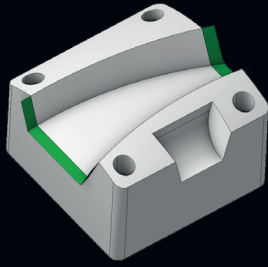
Feed control for crossed holes

An advanced drilling feature that automatically reduces feed rate at hole intersections, significantly improving deep drilling efficiency.



Interactive Surface Extension

Extends part geometry before toolpath generation to improve continuity, smooth transitions, and ensure clean results in finishing operations.



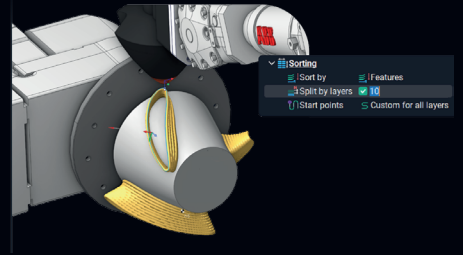
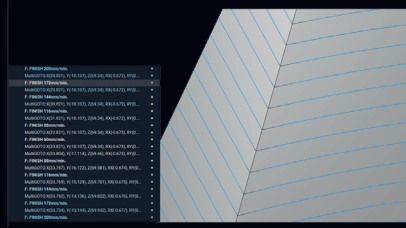
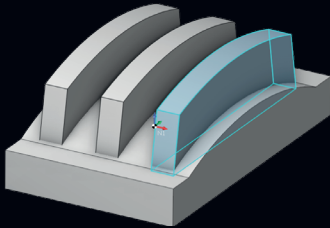
Propagation

Accelerates geometry selection by using feature recognition to cut down clicks and reduce the need for precise picking, transforming a common bottleneck into a fast, effortless step.



Additive Manufacturing Enhancements

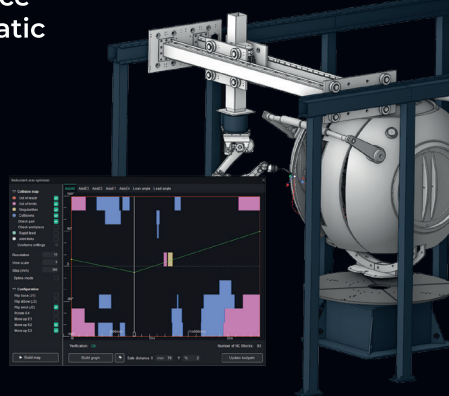
ENCY 2.0 upgrades both the Planar and Non-Planar Slicers, introducing face support, corner feed control, smarter layer sequencing, interactive infill orientation, and advanced tool orientation. These enhancements deliver higher quality, greater reliability, and improved efficiency across a wide range of additive manufacturing applications.



3 Innovation

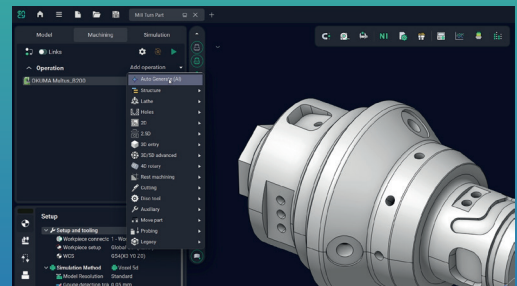
New Collision Avoidance Algorithm and Automatic Robot Axis Mapping

A faster, more stable system for automated kinematics and collision prevention, making it easy to program complex robotic cells and boost OLP performance for industrial automation.



AI Process Planner

The new AI Process Planner automatically generates complete machining processes — creating the optimal sequence of operations for your specific part.



About us

ENCY SOFTWARE LTD, the developer and supplier of these products, is headquartered in the EU, in Cyprus.

For over three years, our team has been dedicated to transforming the CAD/CAM workflow. We aim to create a natural environment for the next generation of CAD/CAM engineers, breaking the boundaries of traditional solutions with advanced communication tools and AI. Our goal is to ensure the industry's fastest transition from design to finished part, making your processes more efficient and innovative.

Experience the future of CAD/CAM with ENCY. Explore our solutions, request a demo, or contact us to learn how we can help you revolutionize your workflow.