PRESS RELEASE



OPEN MIND at BIEMH 2022

*hyper*MILL® CAM Innovations

Wessling/Bilbao, May 4, 2022 – OPEN MIND Technologies AG will be exhibiting at BIEMH from 13 to 17 June 2022. At booth C31 in hall 2, OPEN MIND Technologies will be showcasing the innovative technologies featured in the latest Version 2022.1 of its *hyper*MILL® CAD/CAM suite, including machining strategies from 2.5D to 5-axis, digital twin technology, automated programming, and an array of additive manufacturing solutions. To give visitors a glimpse into some of the many real-life applications for *hyper*MILL®, they can take in live demonstrations of machine tools as they are being made.

**Hall 2, Booth C31**

One of the highlights at the trade fair is [*hyper*MILL® VIRTUAL Machining](https://www.openmind-tech.com/en/cam/hypermill-virtual-machining.html) and OPEN MIND’s presentation will demonstrate the modules that are used to consistently generate, optimize, and simulate NC code. To make this all possible, the software works with virtual representations of the actual CNC machines and uses simulations based on NC code, allowing multi-axis machining operations to be optimized by taking into account the individual limitations of the machine. A prime example of the optimizations possible with *hyper*MILL® Virtual Machining is [*hyper*MILL® BEST FIT](https://www.openmind-tech.com/en/cam/best-fit.html), which intelligently aligns pre-machined workpieces. This feature is ideal for use in reworking 3D printed components, whose production sequence can also be programmed in *hyper*MILL® BEST FIT taking an innovative approach. Instead of manual alignment, the NC code is adapted to match the exact position of the component, which saves time and increases process reliability.

**Automated CAM Programming**

While *hyper*MILL® is well known for macro and feature technologies that make programming easier, visitors to the venerable machine tool fair in Bilbao will also get to see first-hand just how far automation has come in terms of CAM programming. The [*hyper*MILL® AUTOMATION Center](https://www.openmind-tech.com/en/cam/automated-programming-plus.html) allows users to define and standardize processes based on elements that a CAD model might contain. The steps for data preparation and programming, right up to simulation and NC program generation, are defined. Once this is done, the process can be deployed and carried out on new components automatically. Because of this, programmers can focus their time on more complex instead of routine tasks. The quality of CAM programming is more reproducible, while production planning can be standardized and made more efficient.

**Available images**

The following images are available for download in printable format at:   
<https://kk.htcm.de/press-releases/open-mind/>

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| Source: OPEN MIND  ***The hyper*MILL® VIRTUAL Machining Optimizer module automatically generates the optimal path between two operations.** |

**Available videos**

You can find the following videos on our YouTube channel:  
https://youtu.be/ToGwfnOIyX8

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| Source: OPEN MIND  ***hyper*MILL® 5-AXIS Machining: fast, reliable, and easy to use** |

About OPEN MIND Technologies AG

OPEN MIND is one of the world’s most sought-after developers of powerful CAM solutions for machine and controller-independent programming.

OPEN MIND develops optimized CAM solutions that include a high number of innovative features not available elsewhere to deliver significantly higher performance in both programming and machining. Strategies such as 2.5D, 3D as well as 5-axis milling/mill turning, and machining operations like HSC and HPC are efficiently built into the *hyper*MILL® CAM system. *hyper*MILL® provides the maximum possible benefits to customers thanks to its full compatibility with all current CAD solutions and extensive programming automation.

OPEN MIND strives to be the best and most innovative CAD/CAM manufacturer in the world, helping it become one of the top five in the CAM industry according to the “NC Market Analysis Report 2021” compiled by CIMdata. The CAD/CAM solutions of OPEN MIND fulfil the highest demands in the automotive, tool and mold manufacturing, production machining, medical, job shops, energy and aerospace industries. OPEN MIND is represented in all key markets in Asia, Europe and America, and is a Mensch und Maschine company.

You can find more information at [www.openmind-tech.com](http://www.openmind-tech.com).

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