PRESS RELEASE



OPEN MIND at EMO in Milan

Come and meet the people behind *hyper*MILL®

Wessling (Germany), August 23, 2021 – The EMO metalworking exhibition being held from 4 to 9 October 2021 will provide a great opportunity for manufacturers to meet the OPEN MIND Technologies AG team and discuss their challenges with machining specialists from many sectors in person. [Version 2021.2](https://www.openmind-tech.com/en/news/detail/hypermill-2021-20.html), the most recent release of the *hyper*MILL® CAD/CAM suite, will also be presented at booth G12 in hall 7.

**Hall 7, Booth G12**

The CAD/CAM specialists will also be providing an early look at what’s to come in Version 2022.1 as well as demonstrating the [*hyper*MILL® VIRTUAL Machining Center](https://www.openmind-tech.com/en/cam/nc-simulation.html) that generates simulations based on real NC data and creates a perfect virtual rendering of reality in the machine, marking the first step in advanced process optimization and automation.

OPEN MIND provides innovative technologies for 2.5D to 5-axis simultaneous machining, additive manufacturing and [automation](https://www.openmind-tech.com/en/cam/automated-programming-plus/automation-center.html). Playing a central role in process optimization is [*hyper*MILL® VIRTUAL Machining](https://www.openmind-tech.com/en/cam/nc-simulation.html) , this simulates and optimizes machining operations using a digital twin, taking into account the individual machine kinematics.

**Automatic alignment in the virtual machine**

As one prime example of the new possibilities for interaction between CAM and machine, OPEN MIND will be demonstrating the *hyper*MILL® BEST FIT function at EMO. With it, the CAM developer is revolutionizing work preparation in machining, especially in the reworking and machining of 3D printed, welded and cast parts.

Instead of having to manually align the stock in the clamping fixture to the NC program, *hyper*MILL® aligns the NC program automatically to the component position. This new function takes full advantage of the options offered by the virtual machine in the CAM program and it communicates with a 5-axis machining center capable of 3D measurements to eliminate the uncertainty that comes with manual alignment.

**Sneak peak of the upcoming version**

In the new version the [Optimizer module](https://www.openmind-tech.com/en/cam/nc-simulation/virtual-machining-optimizer.html) is extended. For machines with rotary and swivel axes on the table, the linking movements automatically generated in the Optimizer module are optimized specifically for the relevant kinematics of the machine. For greater ease of use, the most suitable strategies are identified automatically, and optimized values are utilized.

There will also be an early look at the upgrades coming to the CONNECTED Machining module. Version 2022.1 of *hyper*MILL® will feature a number of new features that streamline the interface with the machine. For instance, it will soon be possible to transfer data for individual tools or for entire tool lists electronically to the machine. This includes the tool name, tool number and dimensions. This eliminates the need to manually complete the tool table at the machine, which saves time and prevents errors. CONNECTED Machining facilitates the bi-directional exchange of data with the machine controller. Additionally, data can be sent to the machine and processed as well as received from the machine.

**Machining examples to demonstrate functions**

Alongside live demonstrations on CAM workstations, OPEN MIND will also be presenting machining examples to showcase the wide range of functions the software has to offer. The main attraction this time around will be an aluminum panther that will be on display on the booth. This extraordinary, highly detailed piece is the outcome of a collaboration with OPEN MIND and the tool clamping experts at HAIMER GmbH, who are sponsors of the German Ice Hockey League (DEL) team, the Augsburg Panthers.

**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  ***hyper*MILL® VIRTUAL Machining Optimizer automatically generates the optimal path between two operations.** |

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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