PRESS RELEASE

OPEN MIND at AMB 2022

*hyper*MILL®: The CAM System for Networked Production Processes

**13–17 September 2022**
**Hall 2, Booth B20**

Wessling (Germany), July 19, 2022 – OPEN MIND Technologies AG will be exhibiting at Messe Stuttgart together with Hummingbird Systems GmbH in Hall 2, Booth B20, from 13 to 17 September 2022. Not only will this highlight the strategic partnership between the CAD/CAM manufacturer and the MES provider acquired at the beginning of the year, but OPEN MIND and Hummingbird will also address the role of CAM in networked production processes under the banner of “Create the Future of Manufacturing Together.”

The way a CAM system interacts with an MES or other IT systems such as PLM or a tool management system is becoming increasingly important. Networking and communication without media disruptions are the bare minimum required to optimize processes within the context of digitalization. Visitors to AMB can find out what contribution *hyper*MILL® can make to networked manufacturing on OPEN MIND and Hummingbird’s booth. For example, integrating the CAM system with an MES creates more agile and efficient planning, control and automation. All production-related data is available everywhere throughout the company at any time and users benefit from a uniform manufacturing management system.

**Working with a digital twin**

Bidirectional communication with machine tool controls is particularly important in networking with other systems along the process chain. [*hyper*MILL® VIRTUAL Machining](https://www.openmind-tech.com/en-us/cam/hypermill-virtual-machining/) closes the gap between the CAM system and the physical machine environment. If the CAM software can work with a digital twin of the physical machining process, then this opens up new options for generating, optimizing and simulating the NC code safely. [hyperMILL](https://www.openmind-tech.com/en-us/cam/best-fit/%22%20%5Ct%20%22_top%22%20%5Co%20%22hyperMILL%20BEST%20FIT)[®](https://www.openmind-tech.com/en-us/cam/best-fit/%22%20%5Ct%20%22_top%22%20%5Co%20%22hyperMILL%20BEST%20FIT) [BEST FIT](https://www.openmind-tech.com/en-us/cam/best-fit/%22%20%5Ct%20%22_top%22%20%5Co%20%22hyperMILL%20BEST%20FIT) is an impressive example of this. It is a new type of component alignment system for the subsequent processing of cast, welded or additively manufactured components. This sees the NC program adapt to what is physically happening in the workspace, rather than the clamping being adapted to the NC program, which has been standard practice until now.

**Component machining strategies explained**

Workstations that demonstrate forward-looking technologies such as process automation or CAM programming are not the only things that will be on show. Examples of machining with perfect surfaces will also have their chance to shine. For instance, a [bottle-blow mold](https://www.openmind-tech.com/en-us/cam/5-axis-milling/blow-molding/) is an excellent showcase of pioneering strategies such as 5-axis radial machining. *hyper*MILL® has proven itself as a [comprehensive CAM solution](https://www.openmind-tech.com/en-us/industries/cam-software-for-mold-die/) for the tool and mold making industry. The blow-bottle mold that will be on display at AMB 2022 is a perfect example of the process-optimized production of round molds with surfaces that require zero post-processing.

**A look at what’s to come in *hyper*MILL**® **2023.1**

Visitors to AMB can see the current version of *hyper*MILL® and get a sneak preview of the upcoming release. For example, there have been some improvements made to *hyper*MILL® VIRTUAL Machining. Most importantly, complete support for mill-turn machines has been added along with performance improvements. This means that the NC code for this type of machining will also be generated, simulated and optimized using *hyper*MILL® VIRTUAL Machining. There will also be improved support for large machines with more than five axes.

**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**5-axis radial machining is a highly efficient strategy for blow-mold manufacturing** |

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 2022” 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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