PRESS RELEASE

OPEN MIND at Moulding Expo

*hyper*MILL® Features for Mold Making Applications

**13–16 June 2023**  
**Hall 1, Booth D42**

Wessling (Germany), April 26, 2023 – OPEN MIND will be exhibiting at Moulding Expo 2023 (13–16 June 2023, Stuttgart) in Exhibition Hall 1 at Booth D42. The software house will be showcasing its *hyper*MILL® CAD/CAM suite as an [end-to-end tool and mold making solution](https://www.openmind-tech.com/en/industries/cam-software-for-mold-and-die/) at the exhibition. This software covers aspects like [electrode manufacturing](https://www.openmind-tech.com/en/industries/cam-software-for-mold-and-die/#c1824) and [wire EDM](https://www.openmind-tech.com/en/industries/cam-software-for-mold-and-die/#c1825), features that makes it attractive to industrial users. *hyper*MILL® 2023, the most recent version of the solution, also includes several intriguing new functions.

To avoid problems during the molding process, it is necessary to create sharp corners at the junction of the upper and lower halves of the mold in all machining operations. An automatic tangent extension function makes manual CAD steps to extend the numerous surface elements in complex designs redundant. The software also includes a new feature for advanced milling surface extension in the ‘3D shape plane finishing’ and ‘3D profile finishing’ strategies. With it, surface extensions are not created unless they are suitable from a process perspective. This allows users to reliably protect sharp edges and subdivide machining zones with ease, guaranteeing high surface qualities in combination with the ‘Soft overlap’ option.

Toolpaths for halfpipes

The ‘5-axis halfpipe finishing’ strategy makes it easy to program high-quality toolpaths for grooves and tubes with any cross-section along an arched guide curve. A wide range of applications are made possible with this strategy. This includes, for example, applications for molds and dies with a tool axis pointing preferentially in the direction of demolding, for cylinders and flanges with a radial tool axis, and for geometries with variable accessibility. Machining operations for these geometries can be easily programmed and executed with a high surface quality and level of precision.

**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  **New function ensures high-quality, reliable surface extensions to consistently protect sharp edges.** |

**Available videos**

You can find the following videos on our YouTube channel:  
<https://youtu.be/RQYRS5NpQQk>

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| Source: OPEN MIND  ***hyper*MILL is an end-to-end CAM solution for tool and mold making.** |

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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