




THE CAM FORCE

We push machining to the limit



**“OPEN MIND is not
just a name, it’s our
attitude.”**

Volker Nesenhöner,
CEO at OPEN MIND Technologies AG

PIONEER

Technology Leader from the Very Beginning – the History of OPEN MIND

Unleashing potential – for greater performance

In the mid 90s, many manufacturing sectors realized that they had powerful 5-axis machines, but simply could not fully exploit their capabilities with conventional CAM systems. This motivated the founders and technology enthusiasts of OPEN MIND to develop unique CAM functionalities. The CAD core integrated directly in *hyperMILL*® is also a proprietary development and ensures optimal performance. In recent decades, the company has become one of the leading manufacturers of CAD/CAM software and postprocessors for designing and manufacturing complex workpieces and molds.

And OPEN MIND continues to grow: The acquisition of a majority stake in the developer of the Hummingbird Manufacturing Execution System (MES) has allowed the company to expand its portfolio and once again significantly strengthen its range of connected digitalized manufacturing processes.



Successful worldwide

Our customers come from all over the world and from a wide range of industries. These include machine, tool, model, prototype, and mold making; automotive, motor sports, aerospace, medical engineering, turbine manufacturing, watches and jewelry – to name just a few. In addition to excellent manufacturing results, everyone appreciates the significant cost savings and improvements in efficiency.

Facts, figures,
and more



SECRET OF OUR SUCCESS

What Makes OPEN MIND Better than Others?

Strong CAM focus

We are driven by the three magic letters – CAM. For us, CAM always comes first. Our ambition is nothing less than to develop the world's best and most innovative CAM system: *hyperMILL*®!

CAD/CAM made with passion

hyperMILL® consists not only of cleverly arranged bits and bytes, and logical structures – the passion and knowledge of our mathematicians, CNC, and IT experts are the secret of our success.

Trend-setting innovations

Openness to technological innovation has led to pioneering CAD/CAM developments. The Hummingbird MES allows us to further improve our technological expertise in agile process planning and control. We set and establish trends: Cooperation with well-known manufacturers of systems, machine tools, tools, and controls are another important component of our success.

hyperMILL®
in action





WE PUSH MACHINING TO THE LIMIT



Seven reasons to choose *hyperMILL*®

Future-proof investment | Top performance | Excellent operability
Efficient and safe processes | Optimized workflow | Superb quality
Programming automation



“We look for and find unique technologies for efficient and safe processes.”

Dr. Josef Koch, CTO, OPEN MIND Technologies AG

LEADING EDGE

What Makes a CAD/CAM System *hyperMILL*®?

Unique and efficient CAD/CAM strategies

As an international technology leader in digital manufacturing, we provide *hyperMILL*® as an innovative, modular, complete CAD/CAM solution, that always offers the right technologies: from 2.5D, 3D, 5-axis, and turning strategies to solutions for additive manufacturing, HSC and HPC machining, and special applications.

Perfectly harmonized postprocessors

Powerful up to program output: Postprocessor technology is one of our core competencies. All postprocessors are therefore developed by us, and are perfectly matched to the machines – we push machining to the limit.

Unrivalled consistency in CNC manufacturing

hyperMILL® VIRTUAL Machining allows you to generate and simulate the NC code in a single system and thus move automatically from NC programming to the optimized NC program. This guarantees maximum process control, optimization, and safety.

Extensive automation

Our automation technologies are among the most advanced in the world: Holes, pockets, variants, and part families can be programmed easily and quickly thanks to the standardized process workflows that have been introduced. In addition, customer-oriented process solutions increase your productivity.

CAD for CAM

CAM programmers often use CAD systems differently from engineers and designers. The powerful CAD functions of *hyperMILL*® are therefore optimally adapted to the requirements of CAM users.

You are always on the safe side
with *hyperMILL*[®] – technologically
and economically





SAFETY

Relaxed Programming with *hyperMILL*®

Safe processes

Safe from the start: Whether reading in your CAD data, programming and transferring the NC programs to the machine, or completing your finished component, everything is possible in a single system with *hyperMILL*®. Data is transferred smoothly and prepared specifically for CAM. Reliable input during programming plus production sequences that are protected against collision help to reassure and inspire confidence when starting the machine program – even during the set-up.

Simple and optimal integration

hyperMILL® can be easily and perfectly integrated into existing IT landscapes and in all important processes of the different manufacturing areas thanks to various interfaces as well as our own innovative solutions, ensuring smooth processes and maximum reliability!

Sustainable and competitive

hyperMILL® allows you to manufacture sustainably and remain competitive. Thanks to innovative CAD/CAM technologies, programming and production times can be significantly reduced and high quality, time, and cost targets can be achieved much more easily than before.



The agile
Hummingbird
MES system[®]

More about MES



Perfect Process Planning and Control

How you benefit from *hyperMILL*[®] and the Hummingbird MES

An MES is a software solution for data acquisition and information sharing, monitoring, and process control. Transparency as well as a continuous process and information flow based on the respective process planning are essential components of future-oriented production. This is why we are specifically adding the Hummingbird MES to our product portfolio. You will be able to plan, connect, control, automate, and optimize your processes across the entire manufacturing process in real time.

Thanks to the Hummingbird integration, *hyperMILL*[®] can be used even more effectively and flexibly within a uniform manufacturing management system.

Why is the Hummingbird MES unique?

Compared to other solutions, the Hummingbird MES is a particularly agile system. The advantage: Unlike most MES solutions, the Hummingbird MES includes production planning that automatically controls processes. In addition, the modular design guarantees that the MES grows in line with your requirements. This way, we offer you individual implementation strategies to ensure future-oriented, safe, and consistent manufacturing management.

PROMISE

Experts Trust in our Brand Quality

Perfect solutions

Our solutions and services meet the highest quality standards and are optimally tailored to the requirements of our customers. Use our innovative technologies for future-oriented manufacturing and reduce your machining times by up to 90 percent! Always get the best out of your machines and processes – simply and quickly.

***hyperMILL*® proves itself in practice**

From simple to highly complex: Components programmed with *hyperMILL*® impress with their perfection and precise machining without transitions. Surfaces and edges are noticeably smoother, cleaner, and more precise than usual – in short, high-precision. Even hard-to-reach areas can be machined safely thanks to reliable collision avoidance. This not only inspires us; programmers and machine operators around the world are very excited about it.

Precision right from the start

OPEN MIND is a responsible manufacturer: All functions are checked using automated tests and by CAD/CAM experts as part of our quality assurance process. This is particularly important when it comes to complex systems and the way in which their individual components interact. This is how we ensure that users are able to manufacture extremely accurately, efficiently, and safely with our solutions.

What our customers say



**Our brand has great appeal
and ensures the highest level
of customer satisfaction**



**CREATE THE FUTURE OF
MANUFACTURING TOGETHER**



FUTURE

Always Up to Date

Out of responsibility for your future viability

Digital and transparent processes are a prerequisite for innovative manufacturing. For this reason, OPEN MIND has managed to retain the pioneering spirit it had right from the start and thus its openness to new topics. OPEN MIND experts foster dialog, gather knowledge, and broaden their horizons of experience through contact with manufacturers and the market. New technologies and trends for efficient manufacturing are sought, observed, and evaluated – and successfully implemented, if necessary. In this way, we continuously adapt our technologies to new market requirements.

Innovative technologies

With the Hummingbird MES, in particular, we offer you an agile system for comprehensive and reliable process planning and control. Thanks to its perfect CAD/CAM and MES solutions, *hyperMILL*® becomes the crucial piece of the puzzle for ensuring your future-oriented and connected manufacturing environment!

Continual product optimization

In order to continue setting standards in the manufacturing industry, we continuously develop new functions and optimize our products in line with market requirements. Agile software development allows us to continually improve the quality of our products and provide you with regular product updates. This is how we ensure that our solutions meet your requirements over the long term.

Keep up to date!



SERVICE

With Expertise and Passion

We care about your success

We attach great importance to a high standard of service and support. Anyone who chooses *hyperMILL*® – one of the most modern and powerful CAD/CAM systems – can rely on fast and reliable service and support. You benefit from a comprehensive service concept that includes practical training, exciting webinars, informative live events, our customer portal with exclusive information, plus on-site consulting. Our reliable employees are there to help – live and via our support hotline – and always find the best solution for you.

Work with us to always make best use of your machines and processes and implement your projects successfully.

Customer-focused and competent

It is important to us to continuously train our employees and ensure that the members of our service teams themselves come from the manufacturing environment. TEAMCAMFORCE, which is passionate about both our technologies and you as a customer, comprises competent contacts worldwide for answering questions related to our solutions.

More about
#TEAMCAMFORCE





Headquarters, Wessling
Germany



We are here for you!





Close to Customers Worldwide: Think Global – Act Local

OPEN MIND is one of the world's most sought-after developers of innovative CAD/CAM solutions and is represented on all continents by its own subsidiaries and qualified sales partners. This allows us to respond optimally to national needs and circumstances, as well as provide intensive advice and reliable support directly on site. In this way, customers all over the world can be sure that we speak their language.

- Headquarters
- Subsidiary
- Branch office
- Sales partner



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www.openmind-tech.com