High-End CAM Software for Dental Technology.
Our motto is: Hand in hand with our customers and partners, we lead the way in the development of innovative technologies. For us that means technological leadership and being the first to bring innovative functions to the market as well as passing on user knowledge and never leaving customers to deal with possible problems by themselves.

**Two strong partners:**
*hyperDENT®* is a joint venture of OPEN MIND Technologies and FOLLOW-ME! Technology Systems. OPEN MIND is arguably the most innovative CAM provider in the world and the leader in 5-axis simultaneous milling for high-tech industries such as aerospace and medical engineering. FOLLOW-ME! is a spin-off company from OPEN MIND that focuses on the dental industry. The *hyperDENT®* milling algorithm originates from OPEN MIND; FOLLOW-ME! develops functions and interfaces. The two companies also work closely together on the marketing of *hyperDENT®*.

**The best of both worlds:** In terms of its composition, the development team of *hyperDENT®* is quite unique in the dental market. Here, experienced developers of industrial CAM solutions work alongside dental technicians with extensive user knowledge. In addition to the usual lab equipment, our fully equipped, in-house dental laboratory also contains a vast array of CAD/CAM technology from our process partners. This allows our dental technicians to check every development step for practicability in “real life” straight away.

*hyperDENT®*: Developed by dental engineers for dental technicians.
Dr. Ferdinand Schwenkert, Managing Director of FOLLOW-ME! Technology Systems and Volker Nesenhöner, CEO of OPEN MIND Technologies.

Dr. Ferdinand Schwenkert, Managing Director of FOLLOW-ME! Technology Systems and Boon Huat Chia, Managing Director of OPEN MIND Technologies Asia.

FOLLOW-ME! employees hard at work.

For test purposes, FOLLOW-ME! operates a fully equipped dental laboratory.

New developments are immediately subjected to a milling test.

New developments must always meet the highest quality specifications.
A broad network of partners in the dental industry is indispensable, as the digital process aims to meet the customer demands. *hyperDENT®* is used by renowned companies in both open and closed process chains; direct interfaces to all major CAD systems and its ability to be combined with a wide range of milling machines make these partnerships possible.

**Quality counts:** Established dental companies such as KaVo or 3M Espe offer their customer a complete CAD/CAM process chain, consisting of a scanner, CAD, CAM, and materials. The customer has the advantage of a contact partner and service from a single source. However, a high-quality result can only be achieved using high-quality individual components, which is why *hyperDENT®* is one of the most popular CAM products in this segment.

**Flexibility counts:** In the course of digitizing dental technology, CAD/CAM system integrators have become a permanent fixture. They offer their customer the opportunity to compose their own individual process chain using various components. In terms of hardware (scanner, milling machine), they often offer a choice, but for CAM software, often only *hyperDENT®*. Besides the quality, this is attributable in particular to the flexibility of *hyperDENT®,* as machining templates can be individually produced with the aid of a template generator.

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*Example of a compact digital CAD/CAM process chain.*
Internationality counts:
The dental industry is a globalized sector and with many dental prostheses being supplied from abroad, the supply chain in dental technology has been internationalized for many years. Whether it be in America, Asia, or Europe, quality is a criterion that is sought and demanded everywhere. hyperDENT® is marketed all over the world by an international network of distributors and there is always a local service adviser on hand to provide tips and practical support.

3M Espe places its trust in hyperDENT® for its Lava product series.

KaVo places its trust in hyperDENT® for its Arctica product line.

hyperDENT® has direct interfaces to all major CAD systems.

A selection of tool and material partners of hyperDENT®.

A selection of milling machine partners of hyperDENT®.

Team Ziereis, one of the most successful system integrators in Germany.
The requirements of CAM users vary. A mill center with a high part throughput will attach value to the efficiency and flexibility of its CAM software, while a smaller laboratory is likely to attach importance to ease of use and comprehensive service. hyperDENT® takes this into account with its modular product structure and has specified a product line for each customer group.

**hyperDENT® Compact:**
The newest member of the hyperDENT® product family was designed for combination with small milling machines and any functions not necessary for this type of machine were rigorously eliminated. With hyperDENT® Compact, only soft materials can be machined and only one machine type can be controlled; hyperDENT® options such as the template generator or abutment creator can not be combined with this product line.

**hyperDENT® Classic:**
hyperDENT® Classic is the flagship product of the hyperDENT® family. With this product line, soft and hard materials can be machined and patented machining strategies are available for glass ceramics. A hyperDENT® Classic workstation enables several machines of various sizes and from various manufacturers to be controlled and the hyperDENT® Options can also be combined with hyperDENT® Classic.

**hyperDENT® Options:**
With hyperDENT® Options, hyperDENT® Classic can be upgraded to a virtually all-powerful industrial CAM. The template generator allows the customer to create individualized machining templates, which represents flexibility not offered by any other dental CAM product of this type. The abutment creator enables the simple and accurate milling of individualized abutments or implant bars for dental implants.

**hyperDENT®:**
A product line for each customer group.
**hyperDENT® Compact** for standard machining operations.

**hyperDENT® Classic** for an increased range of applications.

Patented finishing strategies in **hyperDENT® Classic**.

Dozens of high-end milling strategies are available in **hyperDENT® Compact** and **Classic**.

Creating individual templates yourself is simple.

High-quality individual attachments are possible.
High-quality CAM software must be able to cover a broad spectrum of restorations and materials so that the user can respond effectively to current and future market requirements. hyperDENT® does not just develop with the market, it is often a step ahead, so it is not rare for innovations to be available in hyperDENT® before anywhere else.

**hyperDENT®:**
No restrictions on restorations or materials.

High-quality classic and innovative restorations can be created with hyperDENT®. This means there are no limits to the standard repertoire of the dental technician (crowns, bridges, inlays/onlays, etc.). Even with innovative restorations such as individual abutments or bars for dental implants, hyperDENT® can demonstrate its overwhelming superiority. Complete models and occlusal splints are further examples of restorations that will soon be added to the hyperDENT® spectrum.

A wide variety of high-quality materials can be machined with hyperDENT®. Whether working with soft materials such as zirconium oxide, PMMA or wax or hard materials such as cobalt chromium or titanium, hyperDENT® always delivers first-class results. The more challenging the material properties, the more intensively the strengths of hyperDENT® are called upon, which is how our own patented milling technologies, for the finishing of glass ceramics for example, were developed.
Complex zirconium work without chipping.

Metal cutting with maximum attention to detail.

Individual abutments, screwed in directly.

Multi-unit bridge, for dental implants.

Patented machining process for glass ceramics.

Free choice of material.
**hyperDENT®:**
Quick, simple, and reliable.

Intuitive operation, quick calculation and milling, and high-quality results are the factors that the customer expects from CAM software. No other CAM software offers such good performance as *hyperDENT®* for all of these factors collectively, and this is the reason for the technological leadership of *hyperDENT®*.

*Extreme user-friendliness* or a high degree of automation of the CAM software is essential for the dental user, as he or she often has only little experience in CAM programming. *hyperDENT®* provides a series of functions that simplify the workflow and also contains a series of functions that work automatically in the background and relieve the user of the corresponding work steps.

*High application performance* of the CAM software is demonstrated firstly in the calculation and milling times and secondly in the stability of the process. The calculation times of *hyperDENT®* are also so short because the calculations are delivered to all the processor’s cores due to the multi-core support. The stability of the milling process with *hyperDENT®* is due in particular to various sophisticated collision controls, which prevent milling accidents from the outset.
The final quality is
demonstrated in the fit
and surface quality of the
milled dental prosthesis and
both factors are strongly
influenced by the quality of
the underlying tool paths.
hyperDENT® can draw on the
wealth of high-end milling
strategies of the company
OPEN MIND Technologies,
which are arguably the
best in the whole CAM
field. Parts manufactured
using hyperDENT® therefore
also stand out due to the
particularly high final quality.