FOLLOW-ME!
TECHNOLOGY GROUP

At the forefront of dental engineering

hyperDENT®

product and function overview

*hyper*DENT®- A new chapter

Throughout its 15-year life cycle, hyperDENT® Classic has been synonymous with performance, efficiency, reliability, and flexibility. hyperDENT® Compact NEW was later developed to enhance the CAM workflow and user experience. These products are no longer on divergent paths, as FOLLOW-ME! Technology is proud to combine their respective strengths into **hyperDENT® V10**.

Due to changing market demands, the combination of Classic and Compact NEW into a single product would leave a void in FOLLOW-ME!'s offerings, so alongside the development of hyperDENT® V10, an all-new, easy to use, streamlined product was born – **hyperDENT® Express**.

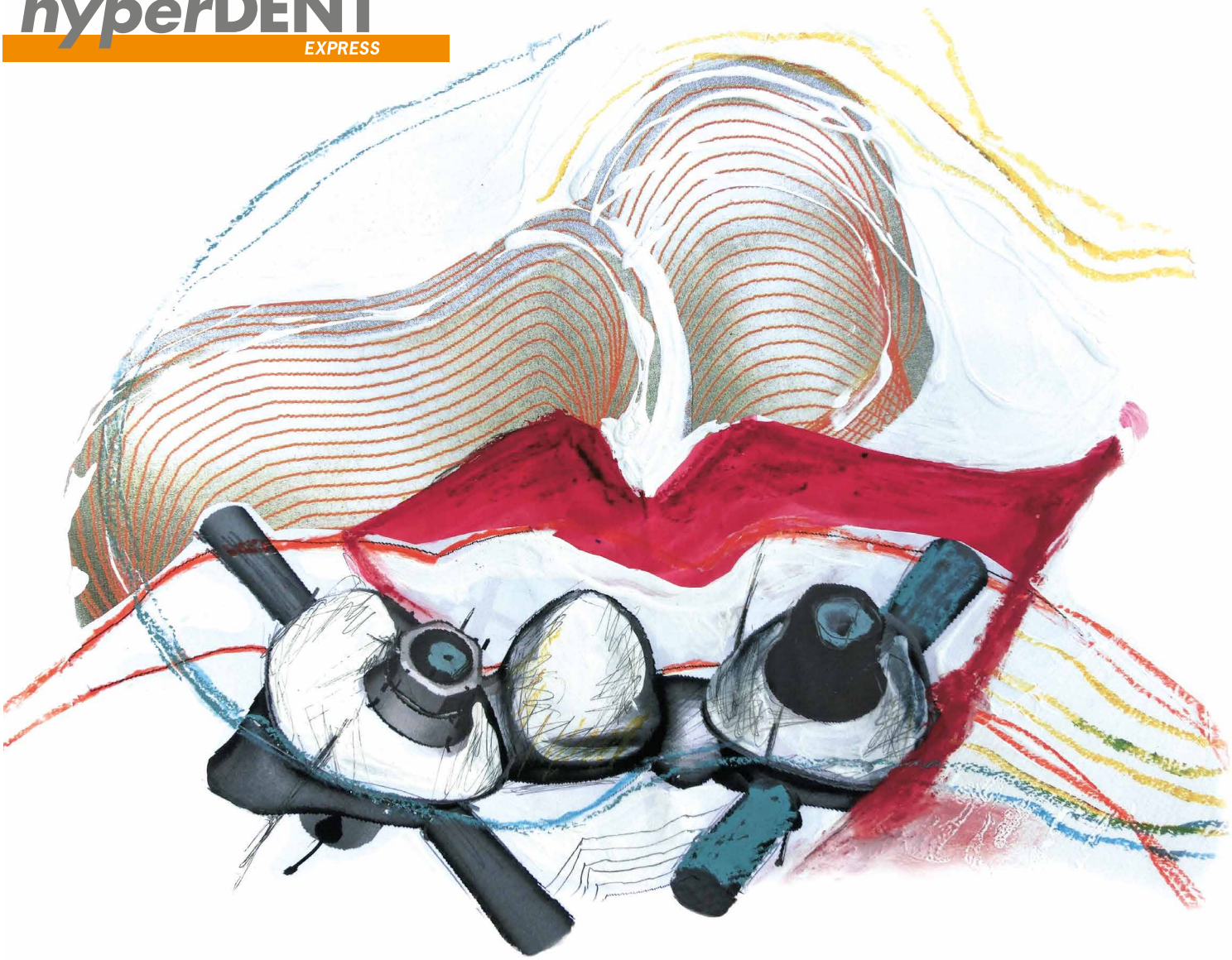
hyperDENT®

hyperDENT® is a fitting choice for dental labs and large production facilities that want total control. The newly designed user interface is intuitive, dynamic, and most importantly, grants advanced users access to hyperDENT®'s robust menu of unique settings and milling parameters.

It features a fully customizable workflow so facilities can set up their hyperDENT® software to cater to their specific needs. Like organizing apps on your smartphone, V10 allows the user to shuffle around icons – making regularly used buttons more accessible, while hiding less-used features in secondary menus.

Also upgraded in hyperDENT® V10 was the parts queue that pulls CAD data from multiple sources to organize and filter your files by shade, height, application type, and other attributes. A search box makes it easier to identify parts that are ready for nesting. On the surface, it may seem like a basic feature; however, it's a powerful tool that can search metadata and subfolder names to further customize your production process.

hyperDENT® EXPRESS



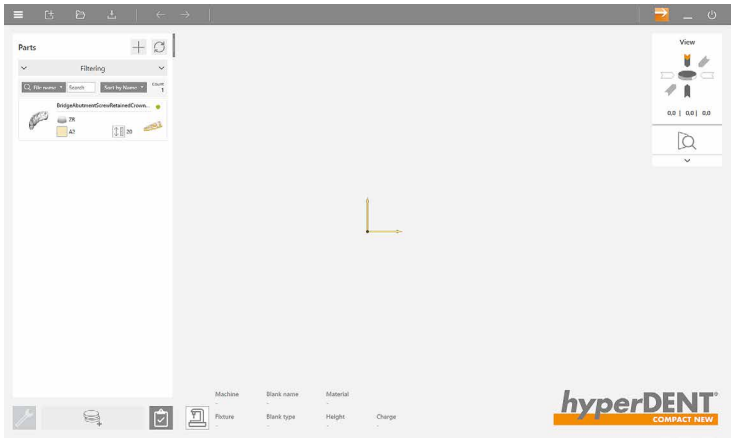
hyperDENT® Express is fast and easy! Utilizing a simplified workflow with a guided wizard, it caters to more standard applications and less-experienced users. Another good case for hyperDENT® Express is single part processing, like preform abutments and ingot-held ceramic blocks.

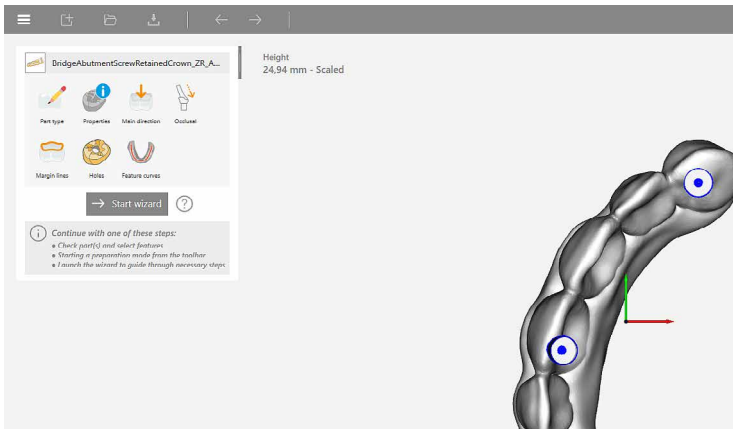
The functionality and performance you would typically expect from hyperDENT® CAM hasn't changed. In fact, improvements were made to speed up calculation times and navigation through the software, resulting in an unbeatable price to performance ratio. Down the road, many innovations from hyperDENT® will also be adopted into hyperDENT® Express, meaning both products will progress at a similar pace.

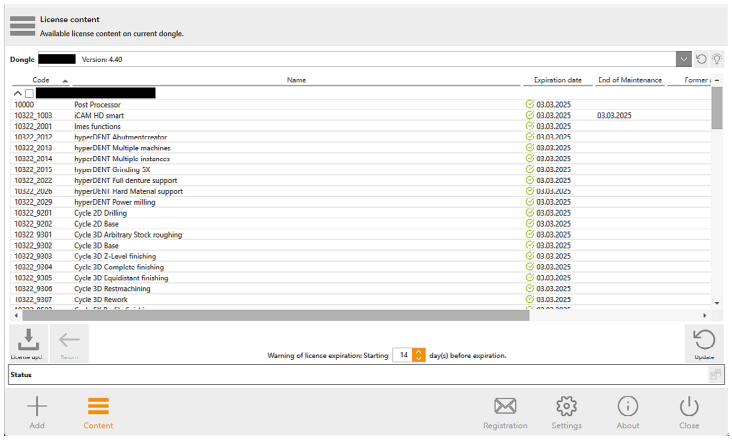
hyperDENT® function overview

hyperDENT® Express	hyperDENT®
Simple and predefined workflow that always starts with the loading of a milling object.	Less predefined workflow, user can decide whether to start the workflow by loading a blank or a milling object.
Single Part Workflow (one milling object at a time) to provide user the best ease of use.	Multi Part Workflow (several milling objects can be processed in parallel) to provide maximized user flexibility.
Due to single part workflow, the hyperDENT parts inque (automated loading and display of milling objects from CAD folder) won´t be provided.	User can configure in general settings whether to work with hyperDENT parts inque or not.
Loading a milling object with CAD meta data leads the user automatically to the blank management (blank proposal) in order to streamline the workflow steps.	In case of loading a CAD file with meta data, user can configure in general settings whether he wants to proceed to blank management (proposal) as a next workflow step or wants to carry out a consistency check of the CAD file.
User guidance: in case of loading a milling object without CAD meta data, an intelligent wizard guides the user automatically through the required prepare steps.	In case of loading a milling object without CAD meta data, user can decide to go for the automated prepare wizard vs. preparing the part individually by himself.
Advanced operations (e.g. setting user defined areas) are predefined / categorized for the user already, which maximizes his ease of use.	User can individually design and save (e.g. user defined areas) in order to maximize his flexibility to design his own workflow.
Connector, sinter pin, or info engravings profiles are predefined for the user, which maximizes his ease of use.	User can define his own connector, sinter pin, or info engravings profiles in order to maximize his flexibility to design his own workflow.
Automated height optimization while nesting a milling object is performed and allows the user to work with the smallest blank possible.	User has a wide range of optimization features while nesting a milling object in a blank (e.g. height optimization and rotation around axes) which allows him to optimize his blank consumption.

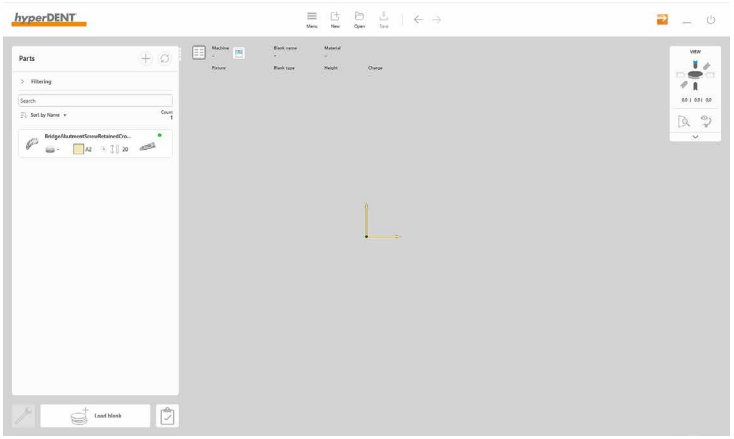
Version 9:



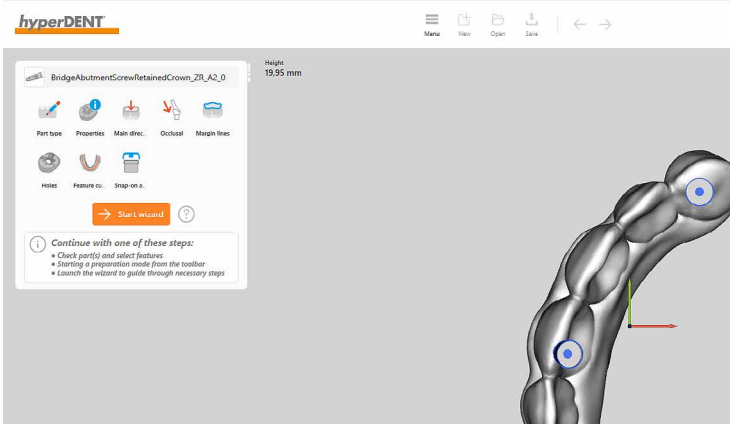




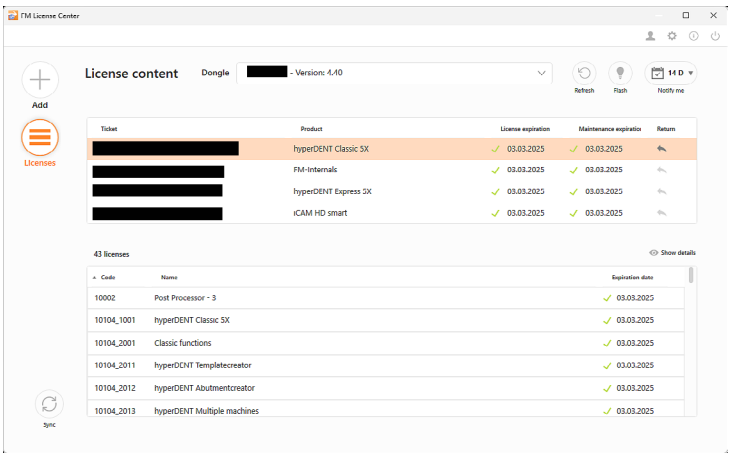
Version 10 - a new design:



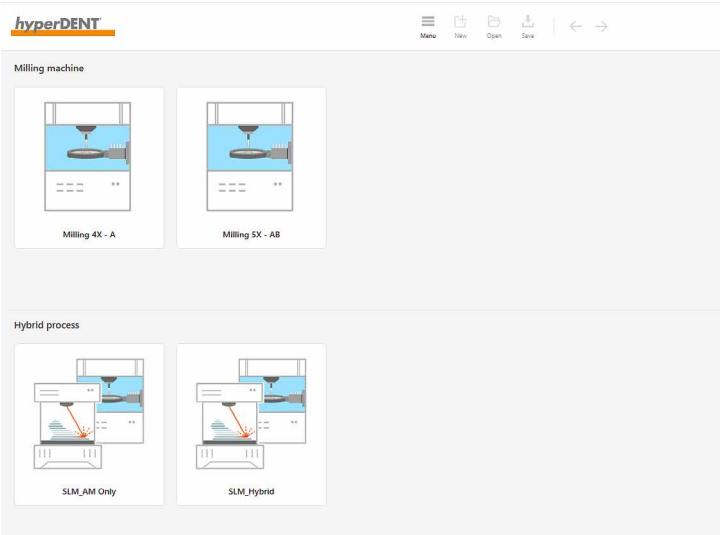
The design has been overhauled to achieve a more efficient layout and a intuitive work process.



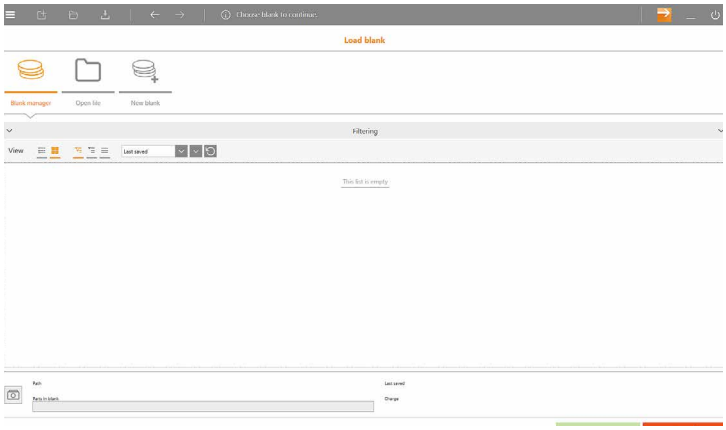
The Prepare icons on the left-hand side have been revised.

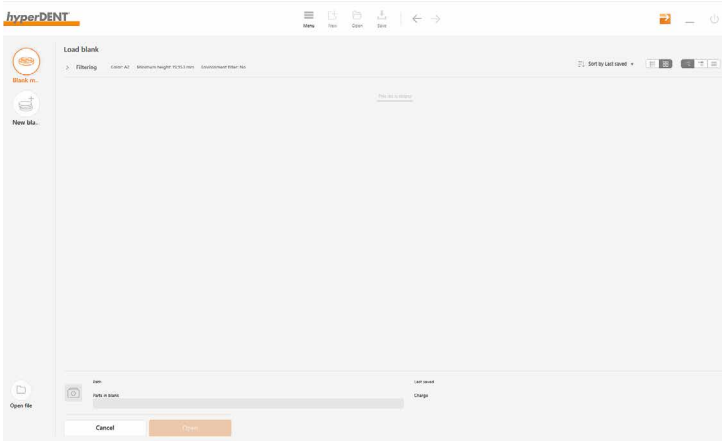


The License Center has been refreshed to clearly identify and easily upgrade your hyperDENT products.



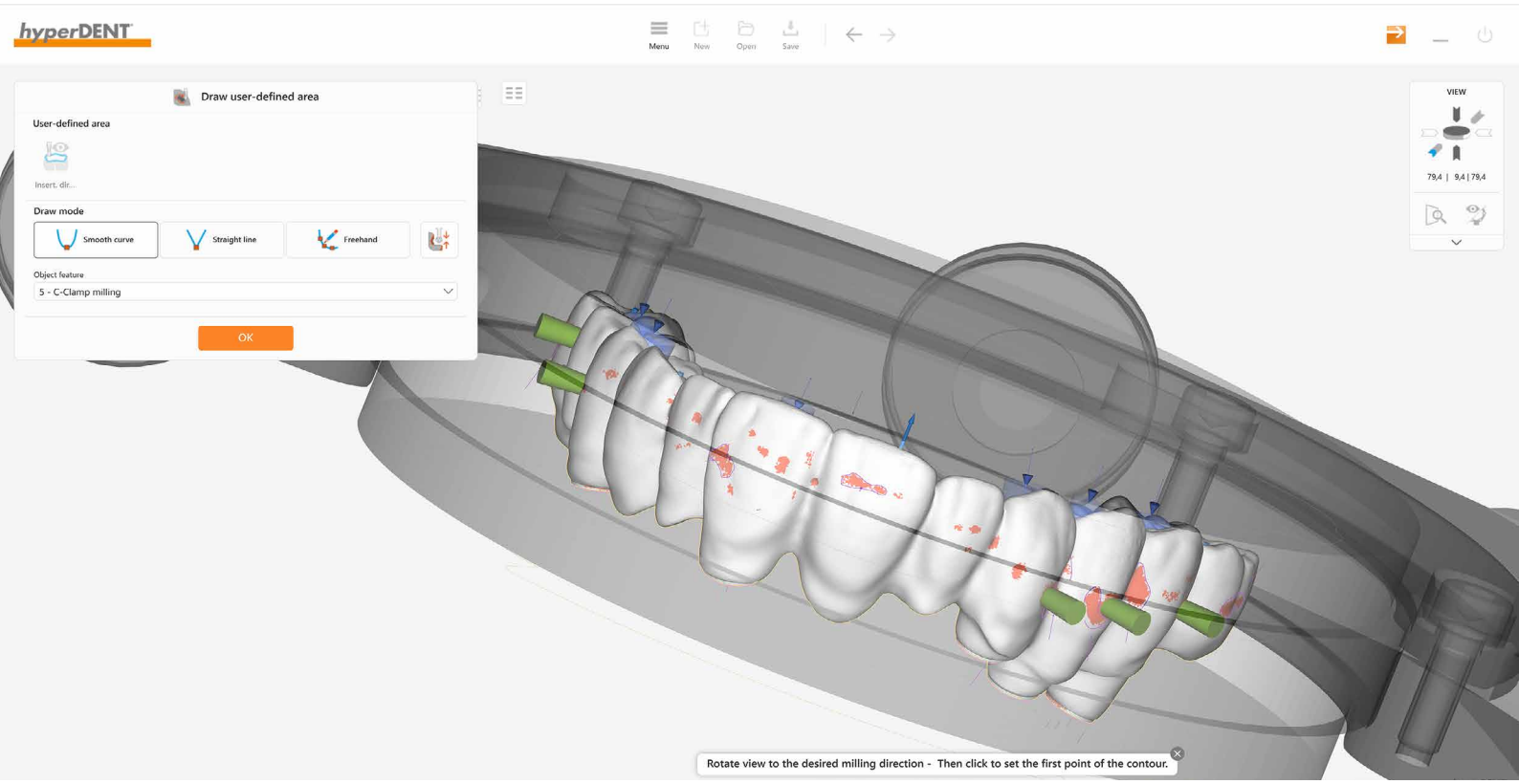
The machine menu has been revised to be more complete, including the hybrid process.





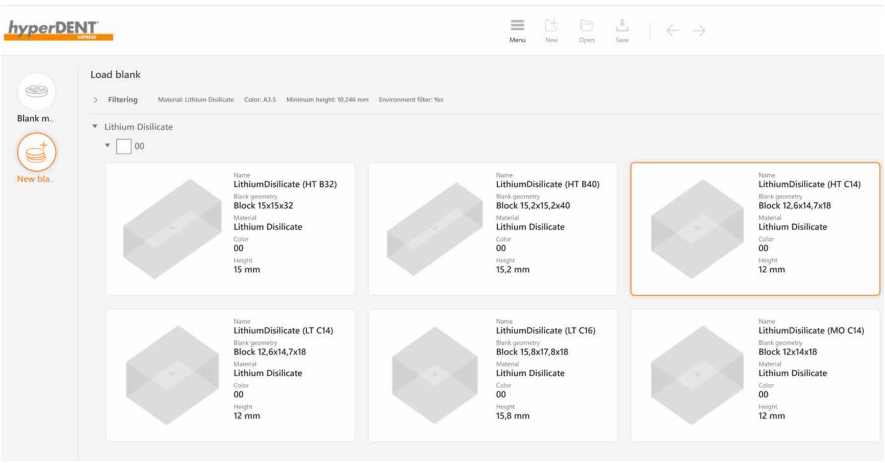
Icons and settings have been rearranged. When the filters are minimized (as shown), the information is still visible to the user.

General product highlights:



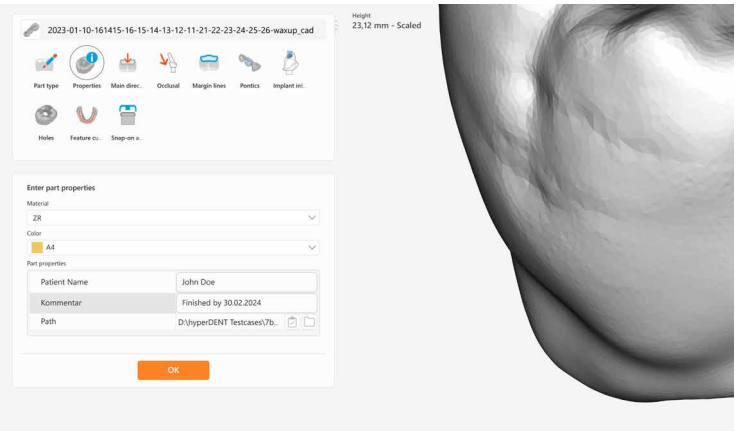
C-Clamp Integration

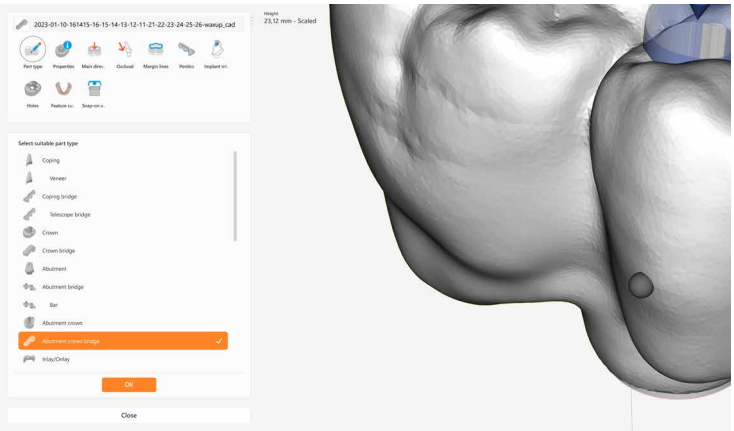
A new and improved display of the open holders from various machine manufacturers has been implemented. Enhanced milling cycles, automatic undercut detection, and automated template assignment (when selecting an open holder) are now possible.

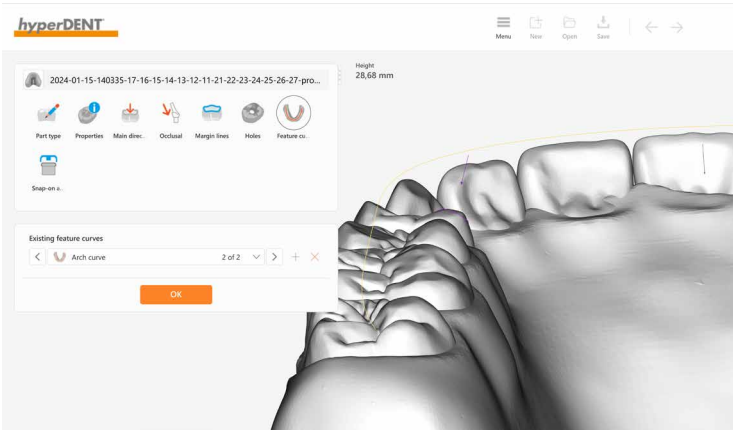


Blank-Filter

Improvements were made to the way blank libraries are organized and displayed, including the material filters. The process of choosing a blank has been simplified with the help of an automatic filter function when the material is predefined by supplemental CAD metadata.

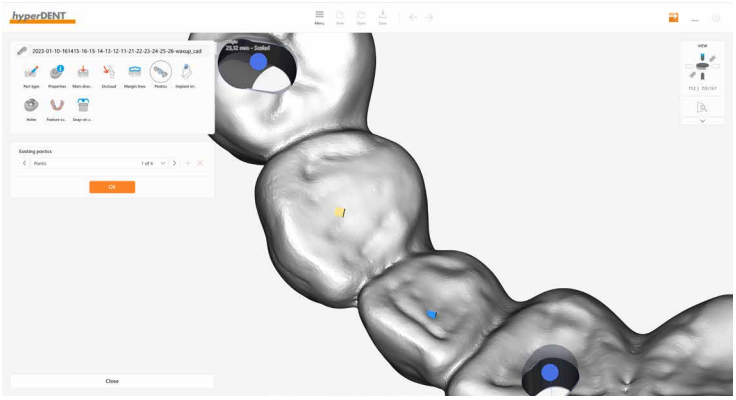


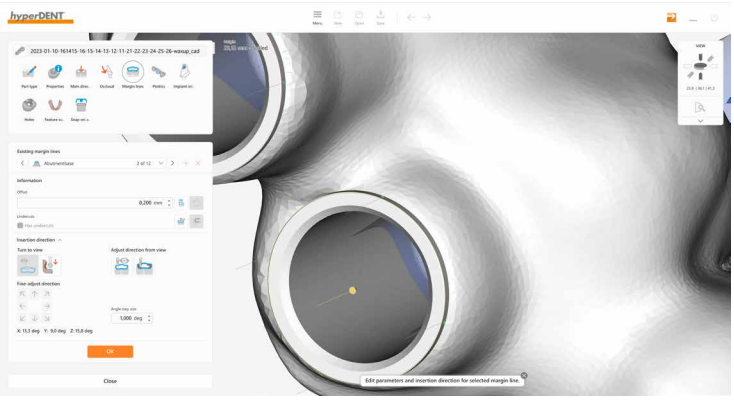


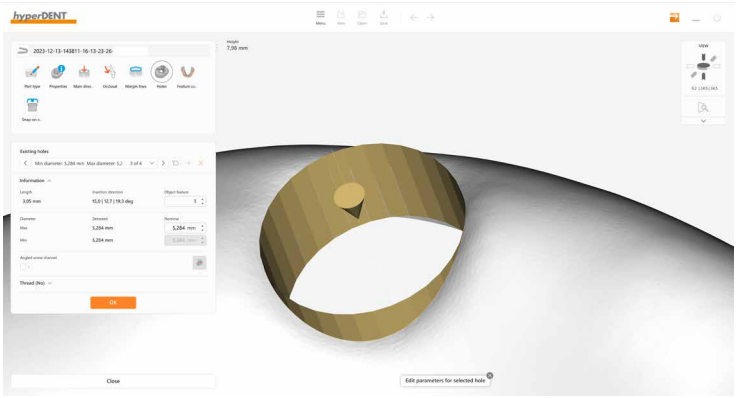


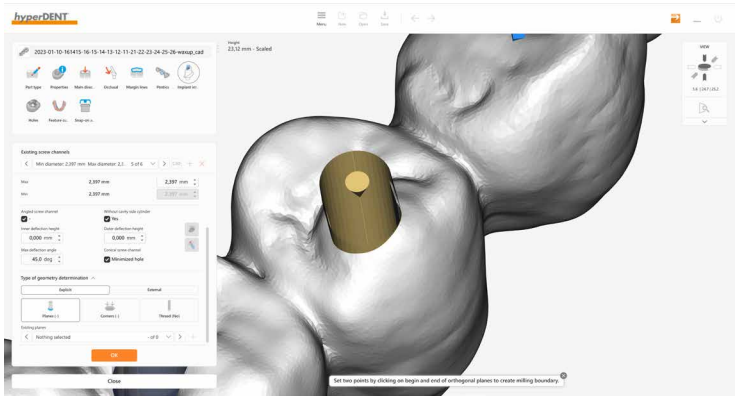
Simplified wizard

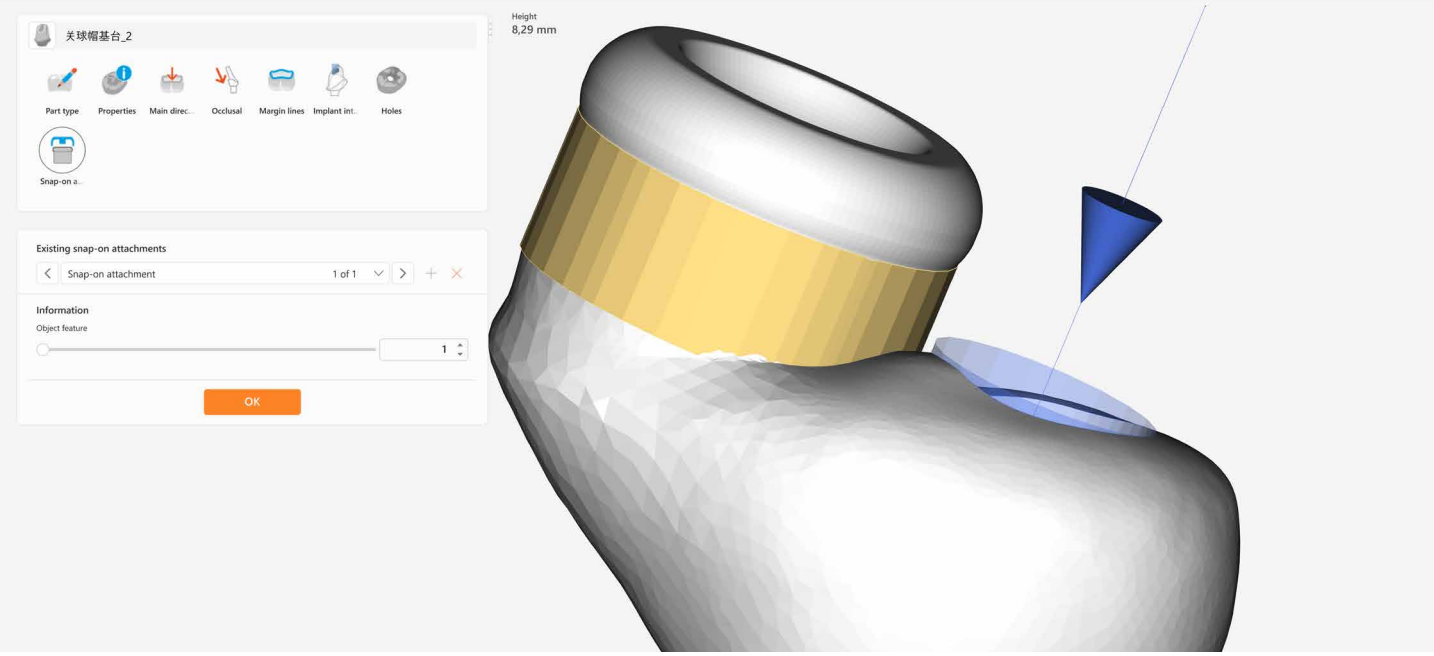
A very strongly guided workflow through simplified display of the tasks to be completed (margin lines, undercuts etc.) has been introduced. In addition, revised icons provide a more precise representation of the function.

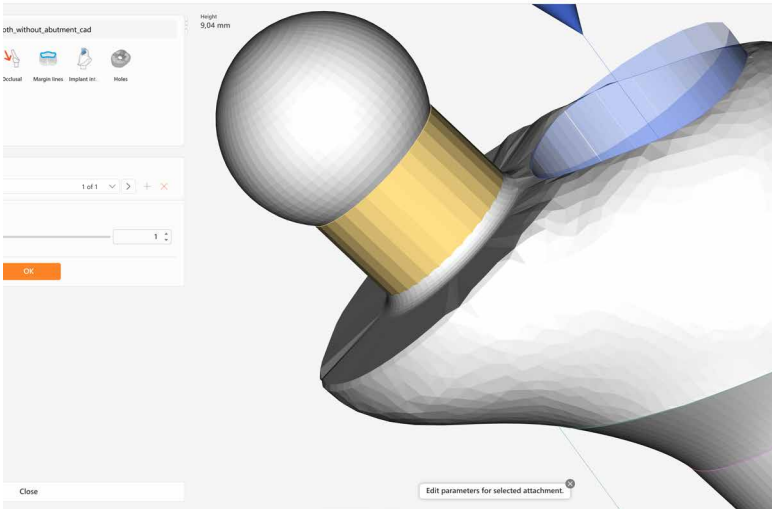




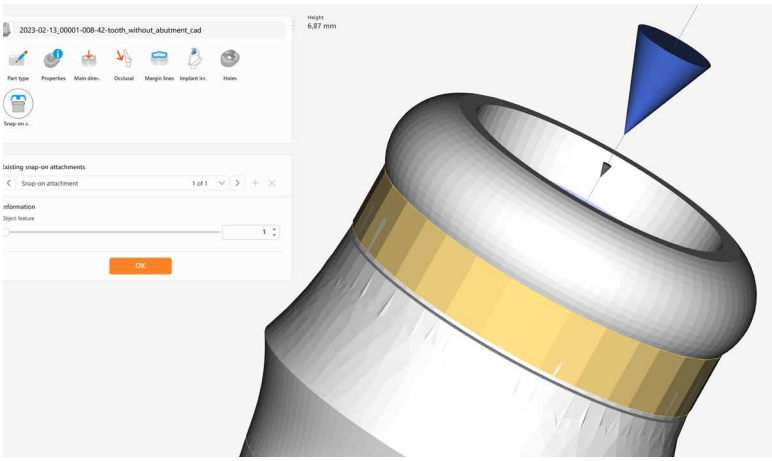


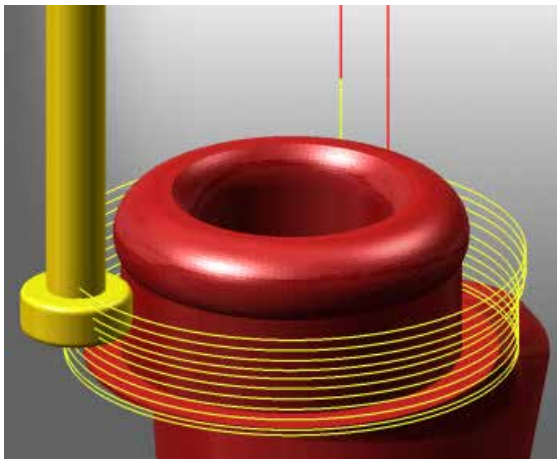






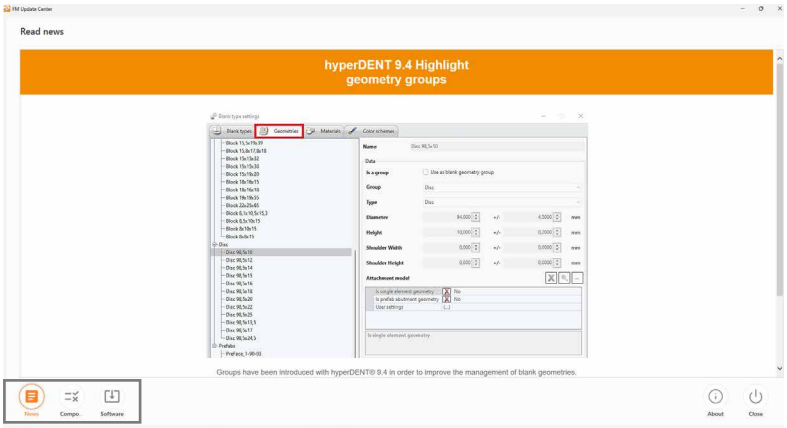
Snap-on attachments with undercut machining:
New toolpaths and identification features were developed to accurately machine undercut areas with a T-slot or lollipop cutter, like for snap-on attachments.



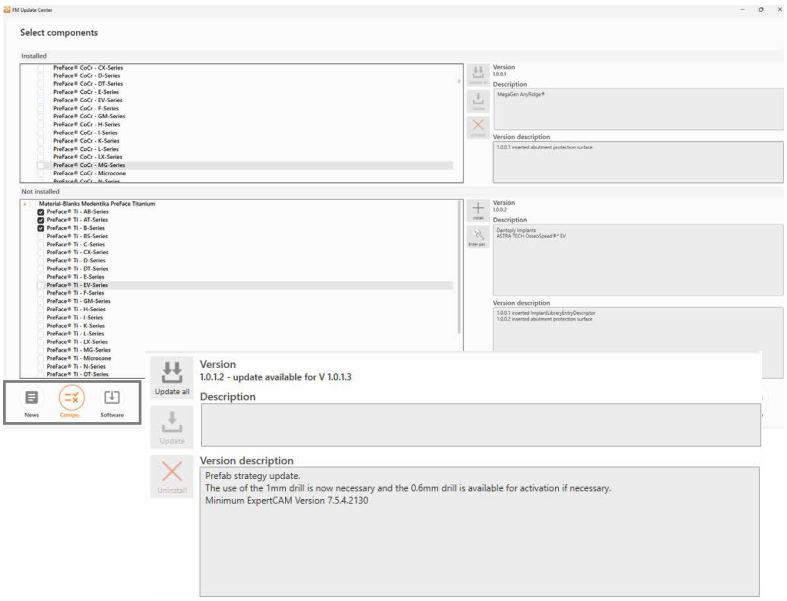


hyperDENT® Update Center:

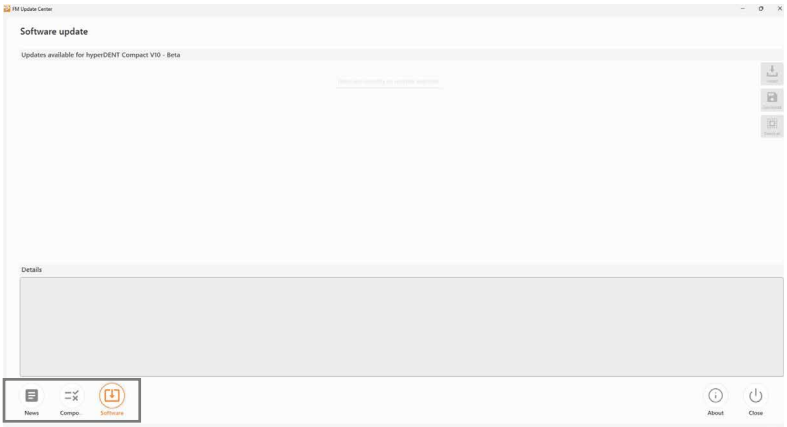
Get informed about the most important news and innovations.
We do not send out newsletters or spam mails, as we show you the latest information directly when you start the software.



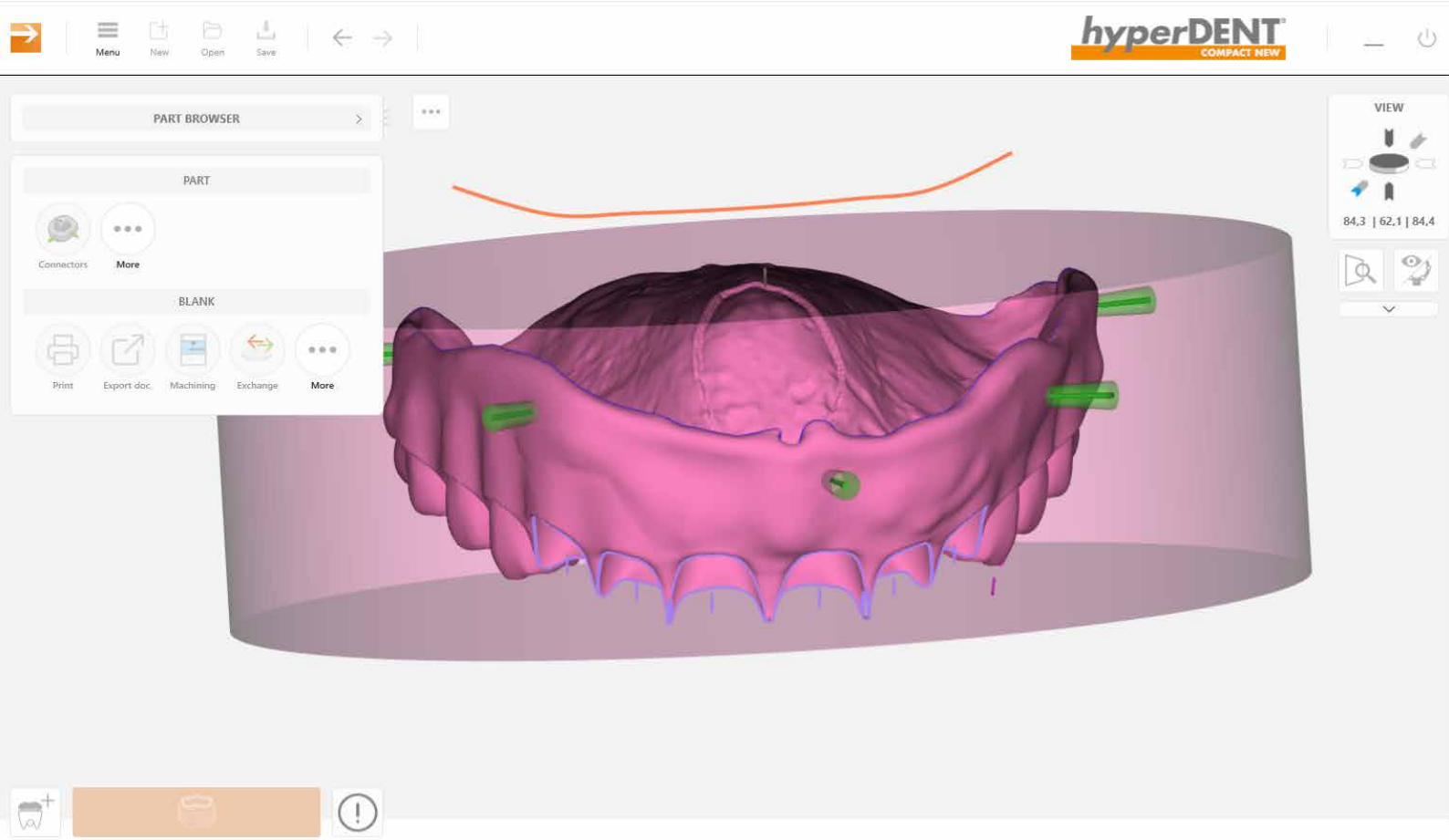
Component installation:
Install newly acquired blank holders, associated blanks libraries, and milling strategies yourself. At startup, hyper-DENT Component Admin will suggest any manufacturer updates that were recently made, which ensures you are always utilizing up-to-date components. Because these components can be changed or uninstalled at any time, it eliminates the need for a third-party installation.



Softwareupdates
FOLLOW-ME! Informs you about updates to your hyperDENT® software. These can then be installed independently.

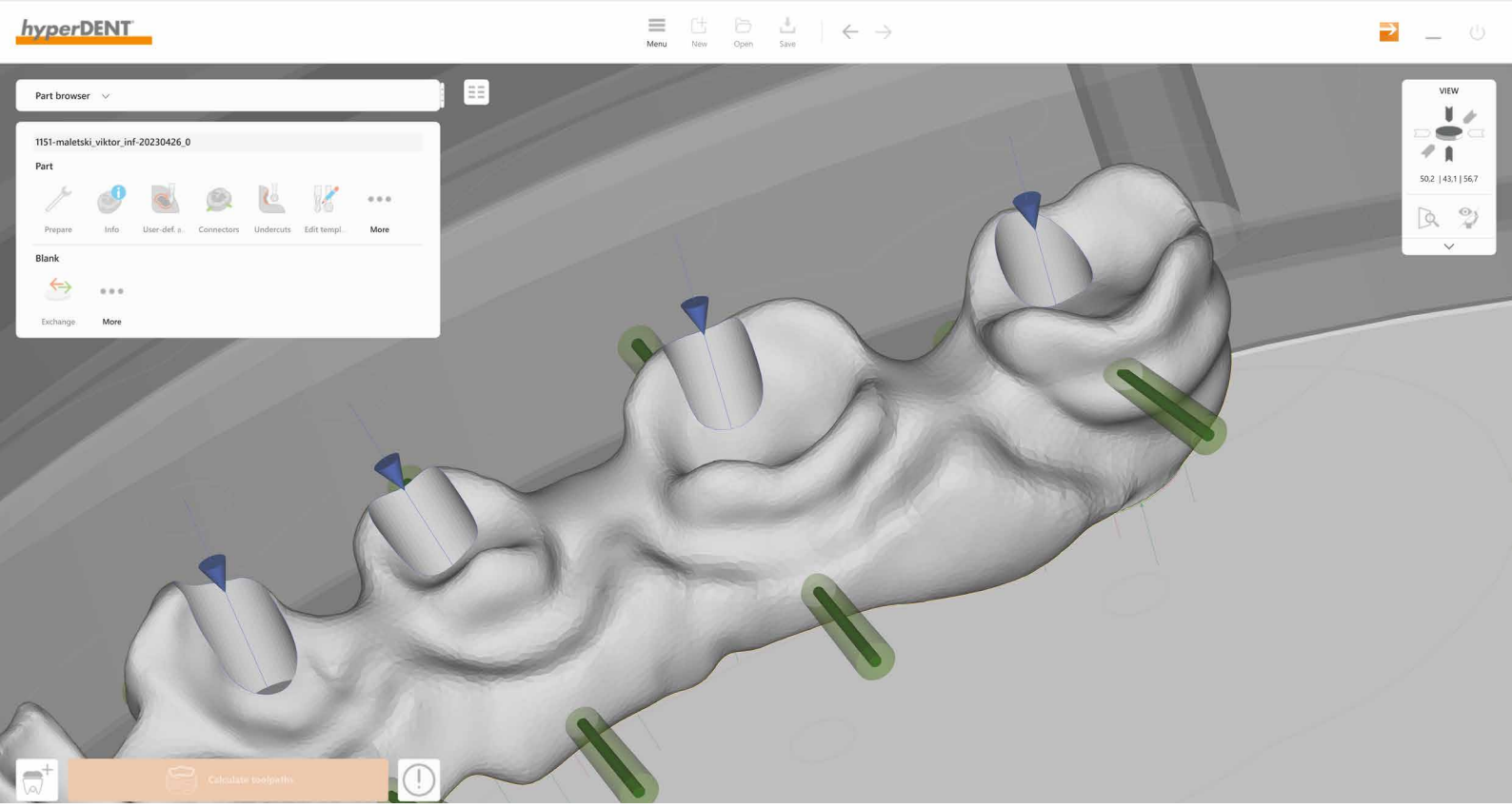


hyperDENT® Module:



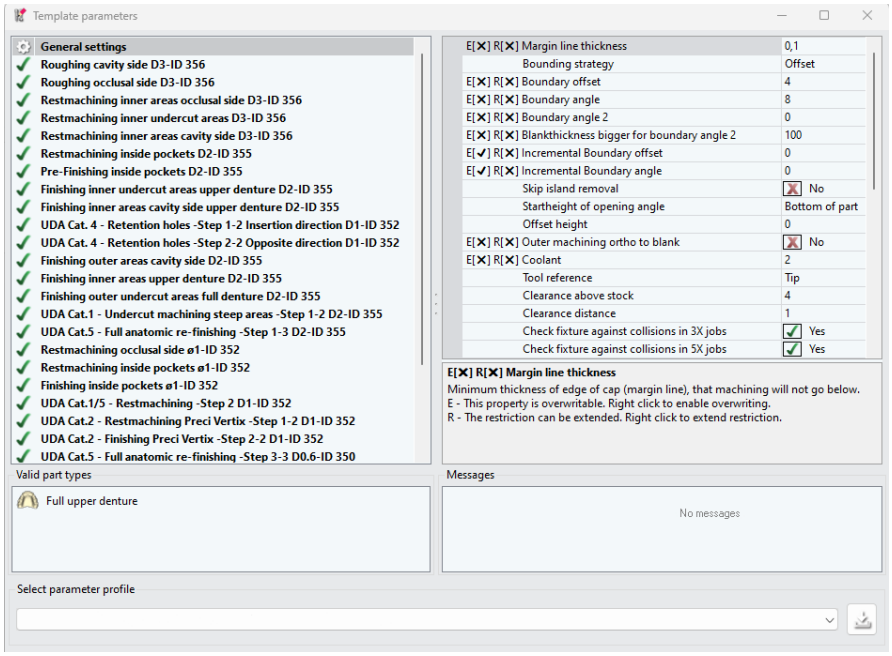
Denture Module: Milling of full dentures

Dentures require the identification of unique feature detections (automatic and manual) such as tooth pockets and the alveolar ridge. This will ensure they are milled accurately and completely. Included are milling strategies and specific toolpaths to produce denture bases, denture teeth, and other unique denture workflows.



Implant-Module: Processing of implant connection geometries

Importing interface geometries in hyperDENT® will ensure the most consistent milling results of highly precise, complex implant components. The imported geometries repair inaccuracies from CAD, and includes embedded information to guarantee consistency. While manually importing geometries is possible, most users prefer the highly intelligent automated function that makes use of the metadata from CAD. This way, when the design is loaded, interface geometries are imported and aligned automatically.



Template Generator:

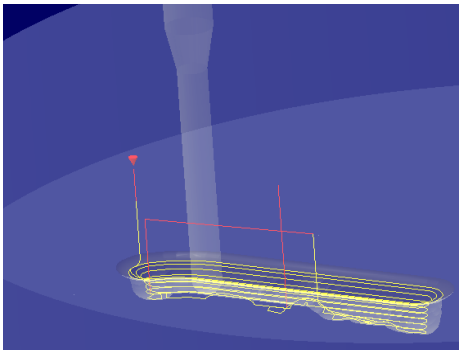
In addition to preconfigured databases, completely individual processing strategies can also be created. This usually comes into play when you want to create your own workflows that deviate from standard processes. A clear user interface provides experienced CAM programmers with a powerful tool for creating and modifying their very own templates. We recommend at least three days of training by FOLLOW-ME!

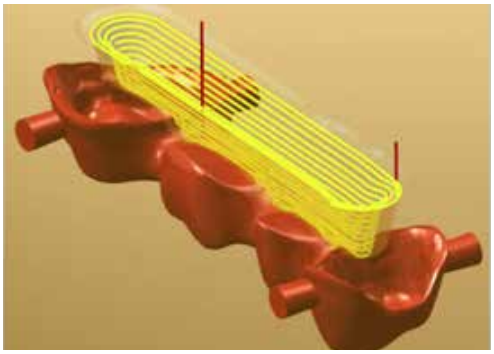
Grinding-Module: Processing of composite and glass ceramic blocks

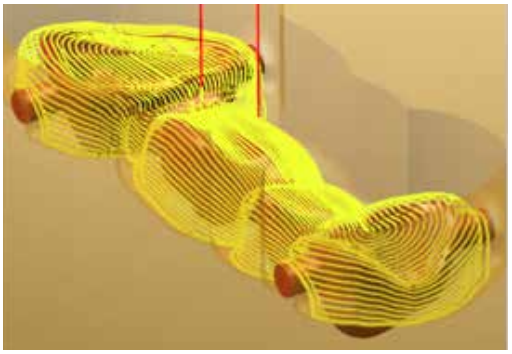
Grinding tool paths are optimally generated using specially coordinated machining strategies. High process stability and tool service life are guaranteed by taking material and indication specific properties into account. Material libraries of all common manufacturers available.

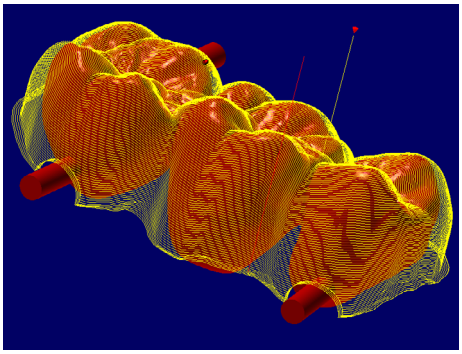
Power milling

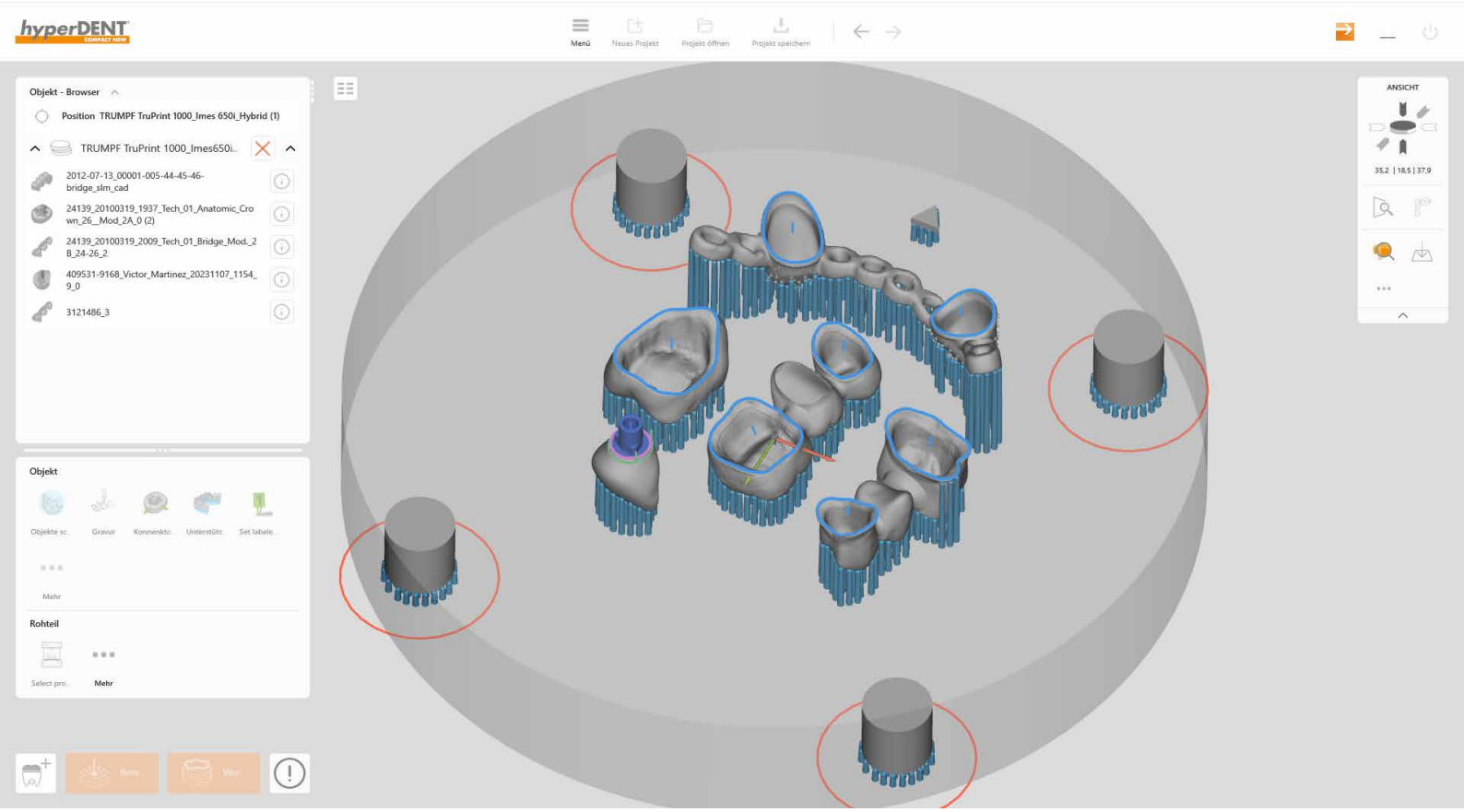
This strategy combines roughing and finishing in one job. The tool mills the component at full depth and it is finished directly to the final dimension. Combined machining can save approx. 35% machining time. A typical application example is zirconium machining with the Zirkonator® from Hufschmied Zerspanungssysteme GmbH.







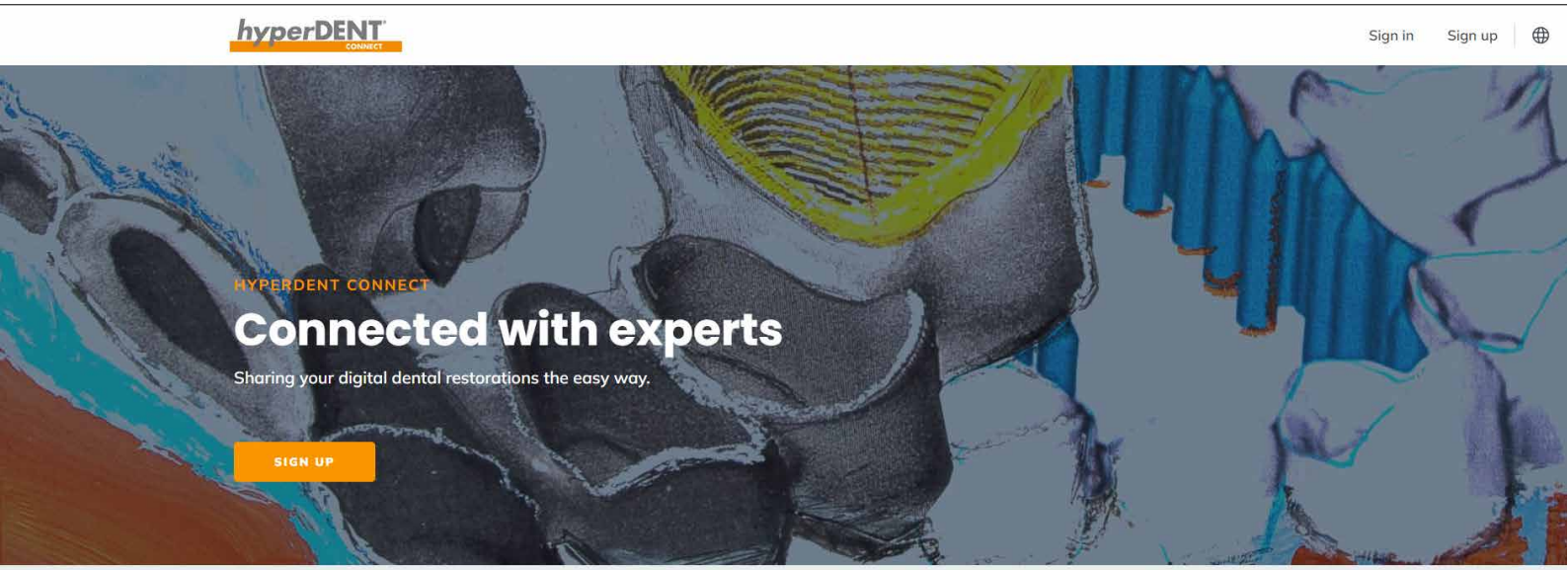


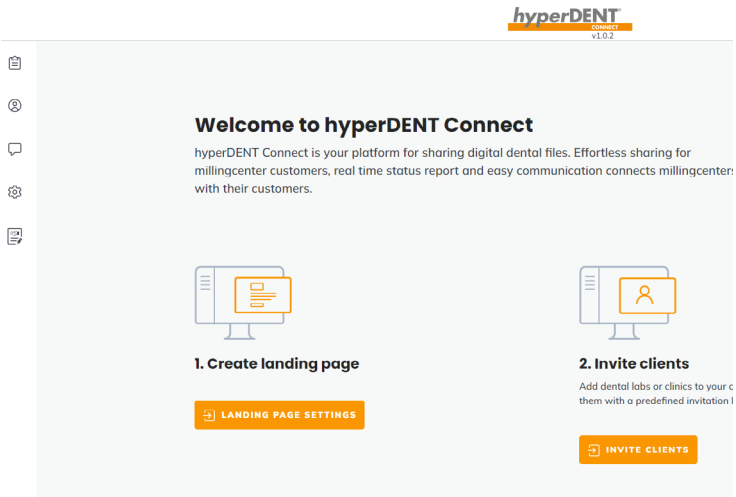


Hybrid Module: The best of both worlds.

Hybrid dental production using a combination of an SLM machine and a downstream milling process. With the help of highly automated mechanisms throughout the entire process, printed dental restorations can be produced both additively and subtractively using predefined machine configurations. The entire data preparation takes place in one application; slicing output and NC code are generated in the hyperDENT Hybrid module. CAD applications upstream of the actual CAM process have corresponding hyperDENT libraries to support the entire workflow, and all common machine types are supported.

hyperDENT® connect





hyperDENT Connect is the new product area under which all FOLLOW-ME! cloud services are subsumed under. We are launching a file-sharing dashboard that enables the system-independent exchange of digital dental production data. This creates a process optimization of daily work-flows.

Specifically, the platform is used to exchange so-called CAD data between a contract manufacturing company in centralized production and a small or very small company that sends its orders (in the form of CAD data) to the central production department. This means that all data can be exchanged centrally via one platform, regardless of CAD systems, WeTranser or email. In addition, hyperDENT Connect offers real-time communication, options for sending order documents digitally and much more.

Integrate hyperDENT Connect into your existing systems as an add-on module.

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