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Seamless chairside workflow with vhf machines and Circle One design solution

vhf camfacture AG, a leading manufacturer of dental milling machines, tools, and CAM software, and Circle, a French provider of AI-powered CAD software, have integrated their software to deliver unprecedented ease of use and automation to dental clinicians in an open workflow.

Thanks to the partnership announced at the CDS Chicago Midwinter Meeting 2026, the process of creating and producing crowns has become extremely fast and convenient. According to Circle One, this fulfills a long-standing promise: a smooth, intuitive, accessible chairside experience that is compatible with all commonly used dental intraoral scanners.

AI-supported design for a new level of simplicity in the chairside workflow

Based on collaborative AI, the fully cloud-based application generates a crown proposal in less than a minute after the data is loaded. The restoration generated this way can be immediately reviewed or further refined by the dentist in real time. Circle One thus offers a design process that largely automates complex CAD steps, thereby providing particularly intuitive access to digital dentistry.

The process continues just as smoothly with OneClick Manufacturing, the module offered by Circle One, which allows the user to launch vhf's dental**cam** software with a single click and automatically imports the CAD data. This is where nesting occurs (i.e. placement in the raw material block) and where the milling process is started. Thanks to vhf **directmill** technology, the time from transferring a crown from Circle One CAD to the start of the milling process is also less than one minute.

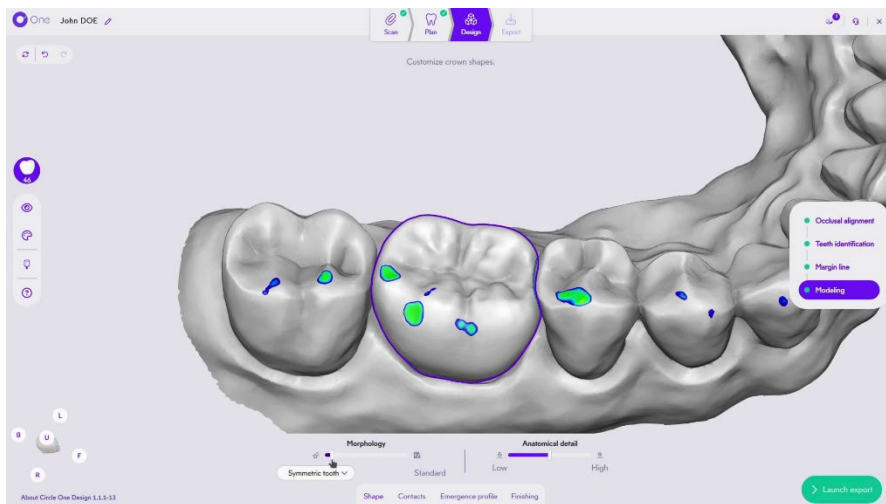
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Faster high-quality chairside restorations

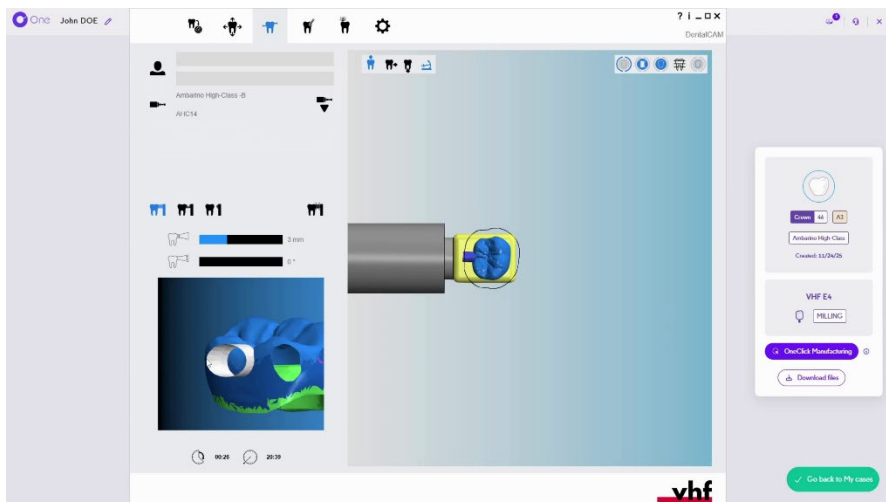
This seamless workflow combining CAD and CAM software and the milling machine enables the production of first-class restorations. The finished crown can be delivered to the patient during a single visit to the dental practice. These so-called chairside treatments are becoming increasingly important because they save time for further treatment and the cost of temporary restorations.

All vhf machines can be perfectly integrated into this workflow. Particularly noteworthy are the compact E4 and Z4 four-axis milling machines, which can be easily accommodated in any treatment room without the need for external compressed air. The combination of manufacturing precision and process stability of vhf machines and the modern AI intelligence of the Circle One CAD world results in a powerful interplay of two technologies. For users, this means an exceptionally smooth chairside workflow that makes high-quality restorations easier and more efficient than ever before.

Images



Intuitive, AI-supported modeling in Circle One: The software generates anatomically precise crown proposals in seconds and allows dentists to make immediate, intuitive fine adjustments.



Seamless nesting in dentalcam: With OneClick Manufacturing, the restorations designed in Circle One are transferred and positioned in the material block in dentalcam, where they are provided with a retaining bar. Milling then begins immediately.

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About vhf camfacture AG

vhf camfacture AG is one of the leading manufacturers of dental and portal milling machines, high-quality tools, and compatible CAM software. Founded in 1988, the company offers an open, perfectly matched system for processing all common materials in the dental, manufacturing, and sign making industry. Thanks to highest quality standards, the company's customers can rely on best-in-class manufacturing solutions, ensured by around 350 dedicated employees and proven by ISO 9001:2015 certification.

Development and production take place exclusively in Germany – at the headquarters in Ammerbuch (Baden-Württemberg) and in Fürth (Bavaria). Internationally, vhf is represented with locations in Hauppauge near New York and in Shanghai.

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About Circle

Circle is a French technology company specializing in innovative, AI-powered software solutions for digital dentistry. With Circle One, the company offers a fully cloud-based chairside CAD platform that radically simplifies the restoration design process and provides real-time support. The combination of interactive AI, digital twin technology, and seamless integration into existing practice systems makes Circle One one of the most advanced and accessible solutions for dentists worldwide.

For more information, visit: circle.dental