

vhf is now an *Ivoclar Authorized Milling Partner* for the Ivotion Denture System

vhf dental milling machines can now manufacture monolithic full dentures.

vhf camfacture AG has always been dedicated to offering state-of-the-art dental technologies to the users of its milling machines. The open hardware and software architecture in particular provides the greatest flexibility, and vhf therefore depends on extensive networking and cooperation with other leading dental companies. vhf is now consolidating its long-standing, successful cooperation with Ivoclar Vivadent AG, and can now offer monolithic full dentures. vhf was one of the first manufacturers to be certified as an *Ivoclar Authorized Milling Partner* for the Ivotion Denture System.

The Ivotion Denture System greatly simplifies the manufacture of removable full dentures. It bonds PMMA tooth material to denture base material in a single disc, thus eliminating the requirement for a manual bonding process. Its 3D shell geometry is impressive, as it is based on dental arch geometry and defines the transition between the tooth and denture base material. The bi-color, monolithic circular disc enables users to create complete upper and lower dentures in a single milling process. Dentists and dental technicians therefore benefit from significantly reduced fabrication times with fewer manual steps, and patients benefit from reduced plaque susceptibility with minimal gaps and an increased longevity of the dentures in general.

Users have a wide range of choice in the CAD workflow when manufacturing dentures: The Ivotion prosthesis can be designed in both the 3Shape and exocad CAD software, which guarantees a seamless integration into existing interfaces. For the milling process, the design data sets are imported into the DENTALCAM vhf CAM software. The precise alignment in the machine is ensured by an innovative positioning aid for the R5 and a corresponding adapter ring for the K5/K5+.

Dr. Nicolas Rohde, Chief Strategy Officer at vhf, welcomes the next step in the already highly successful collaboration: "It is a great advantage for our customers to now be able to process this innovative material from Ivoclar in addition to our wide range of materials. The overall process is validated to reassure our users that they can manufacture their Ivotion full dentures reliably and in the highest quality at all times."

The closer cooperation is also warmly welcomed by Ivoclar: “We are delighted to have vhf, another renowned expert in CNC milling technology, with us,” explains Tobias Specht, Senior Director Global Business Unit Labside Digital at Ivoclar. “As a new *Ivoclar Authorized Milling Partner* for our Ivotion discs, vhf fulfills our high standards for perfectly finished dental restorations in an optimal manner. This move will also enable vhf customers with a great interest in digitally fabricated dentures to take advantage of the patented workflow of our Ivotion Denture System.”

Images



The vhf R5 machining an Ivotion disc. The automatic material changer enables the processing of up to ten discs consecutively on the R5 with no intervention by the user.

About vhf:

vhf camfacture AG was founded in 1988 and is a leading manufacturer of dental milling machines. As a CAM full-solution provider, vhf develops milling machines, tools and software all in-house. The vhf Group has its headquarters in Ammerbuch near Stuttgart, and has approximately 350 employees. Two sales offices in New York and Shanghai serve North America and South East Asia.

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About the Ivoclar Group:

The Ivoclar Group, headquartered in Schaan, Liechtenstein, is one of the world's leading manufacturers of integrated solutions for high-quality dental applications. In 2023, the company proudly celebrates its 100-year anniversary under the theme of "A Century of Innovation". The company's success is based on a comprehensive portfolio of products, systems and services, strong research and development capabilities and a clear commitment to training and further education. The group of companies, which sells its products to around 130 countries, has 47 subsidiaries and branch offices and employs roughly 3,500 people worldwide.

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