vhf **digital solutions** – let your work flow!

The digital ecosystem for seamless workflows and efficient dental manufacturing.

GERMAN INNOVATION AWARD '26 WINNER

vhf
CREATING PERFECTION

vhf **digital solutions** – your personal Smart Factory.

The modern way to manufacture dental restorations: digitally and connected.

Digital manufacturing reimagined

Digital processes have become an essential part of modern dental manufacturing. At the same time, demands for efficiency and ease of use continue to grow. A lack of connectivity often leads to unnecessary complexity. What's needed is a workflow that creates room for what really matters: quality, precision, and the enjoyment of one's work.

With the new vhf **digital solutions**, that vision becomes reality. Machines, software, and data are intelligently connected, creating seamless and efficient workflows in both dental practices and laboratories.

A connected ecosystem for your dental restorations

Three perfectly matching components form the foundation of vhf **digital solutions**:

- dental**cam** 9 – the intuitive CAM software for efficiently preparing your restorations
- dental**cnc** 9 – the machine control software for precise manufacturing and data exchange with my**vhf**
- my**vhf** – the software platform for monitoring, analytics, and additional machine-related services

Together, they enable a seamless workflow – from the design file to the completed restoration.

Optimized for labs and dental practices

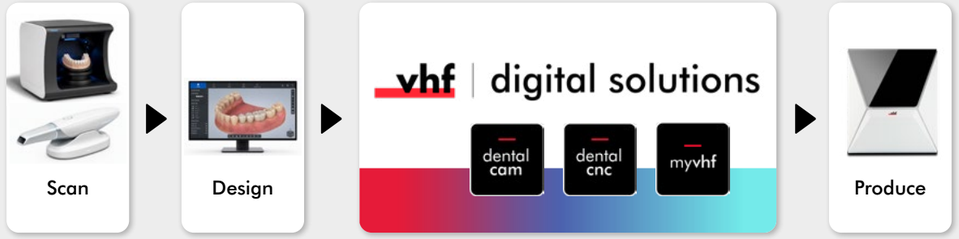
No matter where you work, digital solutions deliver meaningful productivity benefits.

Dental laboratories and **milling centers** benefit from a centralized view of the productivity and utilization of their vhf machine fleet, helping them make the most of available capacity. Remote monitoring features also provide added convenience and peace of mind when machines are running outside regular business hours.

In **dental practices** and **practice labs**, intuitive operation and transparent machine status information are especially valuable for time-sensitive chairside restorations.

Let your work flow!

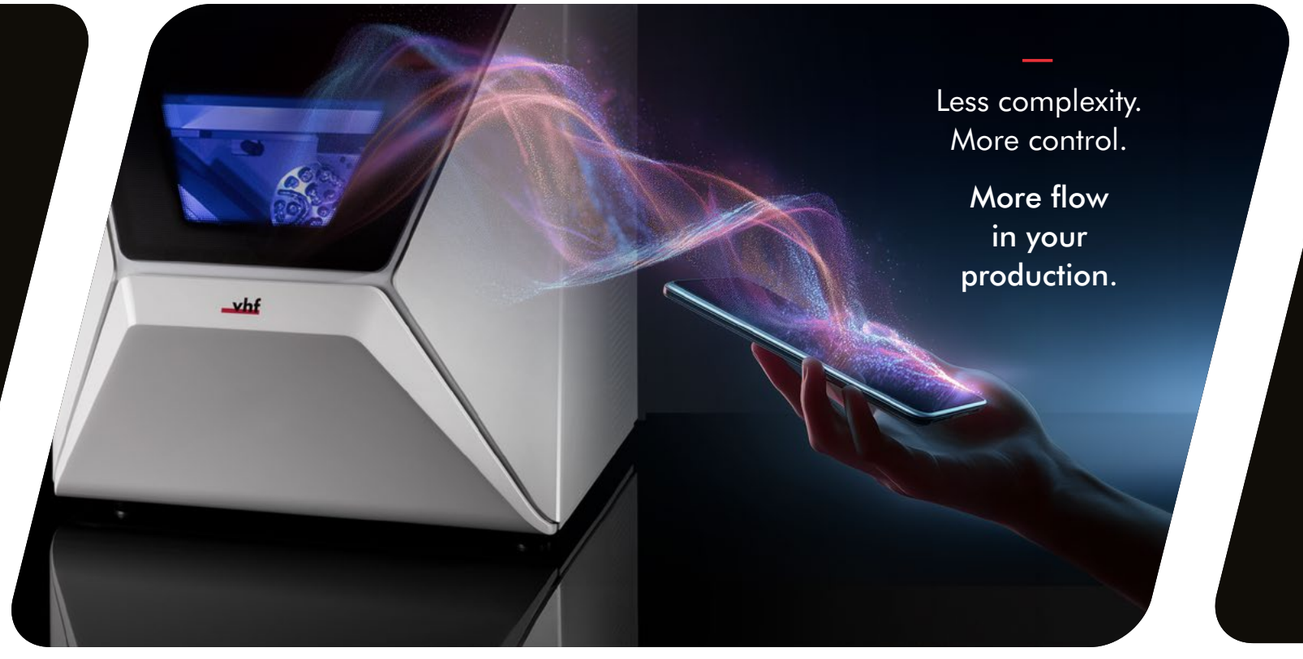
vhf **digital solutions** create a fully connected workflow.



Fast
Automated functions and connected machines ensure highly efficient workflows

Transparent
Real-time overview of your processes and machine status

Easy
A consistent and intuitive user interface makes it easy to get started with digital workflows



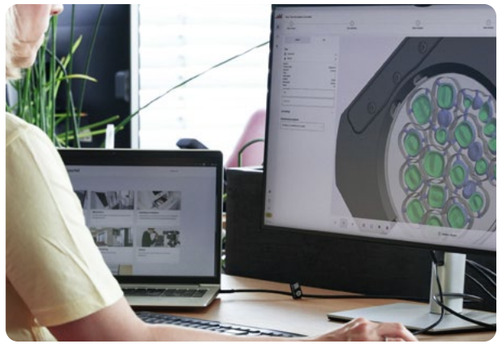
Manufacturing made easy.

Seamless interaction between CAM and CNC software for milling and grinding.

An intuitive path to perfect results

dental**cam** 9 and dental**cnc** 9 are perfectly matched. The latest generation of vhf software automates numerous workflow steps and makes operation easier than ever. The result: faster processes, fewer manual interventions, and processing times up to 20% shorter than with the previous version.

Once preparation is complete in dental**cam** 9, the data is transferred directly to dental**cnc** 9. Together, the two applications create a seamless digital workflow with no interruptions between systems. Thanks to direct**mill** Technology, production can begin while additional toolpaths are still being calculated. This saves valuable time and maximizes efficiency in your daily production workflow.



Nesting within the disc or block, as well as the placement of support pins, is automated in dental**cam** 9.

With dental**cnc** 9, you control your vhf machine directly. This is also where data is exchanged with my**vhf**.

Automated. Fast. User-friendly.

CAM software and machine control – all from a single source.

Intuitive operation
Modern user interface with a fully 3D-based display – making operation easy, even for beginners.

Intelligent material filters
Your blank selection is supported by intelligent material filters.

More than just geometry: metadata transfer
No manual data entry required. In addition to the restoration geometry, a wide range of manufacturing information is transferred directly from the CAD software:

- Indication (e.g., crown, bridge, or implant)
- Material and shade
- Preparation lines and drill holes.

Auto-nesting
Automatically optimizes the placement of imported restorations within the disc or block.

Auto-leveling
Automatically rotates restorations within the blank to make the best possible use of the available blank height and reduce material costs.

Auto-connector placement
dental**cam** 9 automatically places the connectors for your restorations.

Optimized strategies for every object type
Machining strategies are optimized for all indications. Fit discrepancies, drill holes, prep lines, and undercuts are detected automatically.

directmill Technology
While toolpaths for additional restorations or finishing passes are still being calculated, the machine already begins roughing – with no waiting time.

Multi-machine control
Control up to six machines simultaneously with dental**cnc** 9. A single dental**cam** 9 installation can support your entire machine fleet, simplifying administration and day-to-day management.

Seamless connection to myvhf
Continuous data exchange with my**vhf** for monitoring, updates, and services.

The future belongs to open systems!

Enjoy the freedom to choose: CAD software, scanners, and materials.

dental**cam** is a powerful software package featuring open STL import for all leading CAD applications as well as AI-powered design software. In addition to geometry data, dental**cam** also imports all relevant metadata. This reduces manual data entry, speeds up job preparation, and minimizes the risk of errors.

But freedom of choice doesn't stop with software. Our test center has validated virtually all materials from a wide range of manufacturers – from plastics and zirconia to non-precious alloys and glass ceramics. The optimal milling and grinding parameters for each material have been determined and stored in the comprehensive dental**cam** material database. Combined with the appropriate vhf tools, this ensures not only the highest possible quality, but also the shortest possible machining times.

CAD integrations: Fewer clicks. More flow.

No matter which CAD software you use, dental**cam** 9 offers the right path to manufacturing. From **open STL import** and **direct STL one-click transfer** to a **fully integrated CAD/CAM workflow**, our CAD integrations give you maximum flexibility, fewer manual steps, and a seamless digital process.

All relevant metadata is automatically transferred at every integration level.

Open STL import

Export the STL file from your CAD software and import it into dental**cam** 9.

Available for all common CAD systems.

CAD
▼
STL export
▼
import into dental**cam**
▼
select material
▼
nesting
▼
mill with dental**cnc**

STL one-click transfer

A seamless transition between CAD and CAM. The one-click transfer sends the STL file directly to dental**cam** 9.

Available for:

3Shape • Medit • Shining 3D • Circle One • Dental Twin • iTero

CAD
▼
STL one-click transfer
▼
select material
▼
nesting
▼
mill with dental**cnc**

Full CAD/CAM integration

The most convenient option combines CAD and CAM in a single environment. Work entirely within your CAD software while dental**cam** 9 automatically performs all required calculations in the background. It doesn't get any easier than that.

Available for:

exocad (with E4, N4+, Z4)

CAD
▼
select material
▼
nesting
▼
mill with dental**cnc**

myvhf – your digital control center.

Access your vhf machines anytime, anywhere.

No matter where you are – your machines are just a click away

The Internet of Things connects machines and software, enabling them to exchange data and work together intelligently. For dental manufacturing, this represents a quantum leap in efficiency and process control.

my**vhf** is the central platform for managing your vhf machines. It brings together all relevant information in one place – clearly organized, always available, and accessible on any device, whether through a web browser or the app.

When production runs smoothly, it creates freedom

As the heart of vhf **digital solutions**, my**vhf** gives you access to your production data. It serves as a single source of truth, bringing everything together rather than scattering information across multiple systems. This keeps you informed and frees up valuable time for other productive tasks.

Connected. Transparent. Intuitive.

Key features of the my**vhf** customer platform.

Clear dashboard
The dashboard provides real-time data, productivity statistics, and the current status of your milling jobs at a glance.

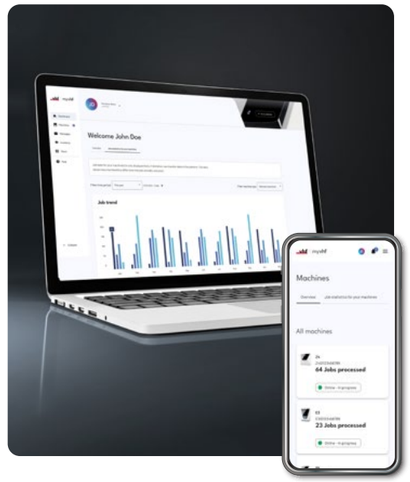
Unified access
User-friendly access to all vhf digital services – available on your PC, laptop, tablet, or smartphone.

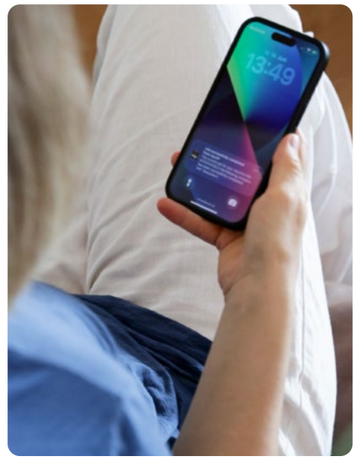
Stay up to date with push notifications
my**vhf** keeps you informed about important events through push notifications delivered directly to your mobile devices.

Relevant information from dentalportal
my**vhf** displays only the information from dental**portal** that is relevant to your machine. The dental**portal** serves as the central knowledge platform for all users.

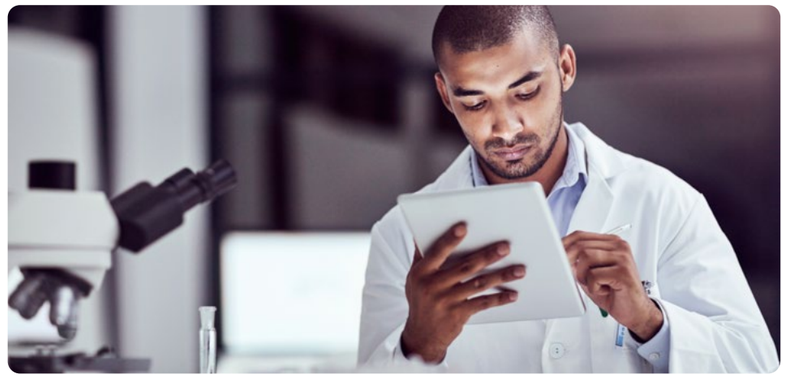
Maintenance and training
An overview of upcoming maintenance, available updates, and tailored training courses from the vhf **academy** helps you plan ahead with confidence.

AI Chatbot included
The vhf Bot is available 24/7. You'll receive detailed answers that guide you directly to the right solution. If additional assistance is needed, you'll be connected with vhf Customer Service.



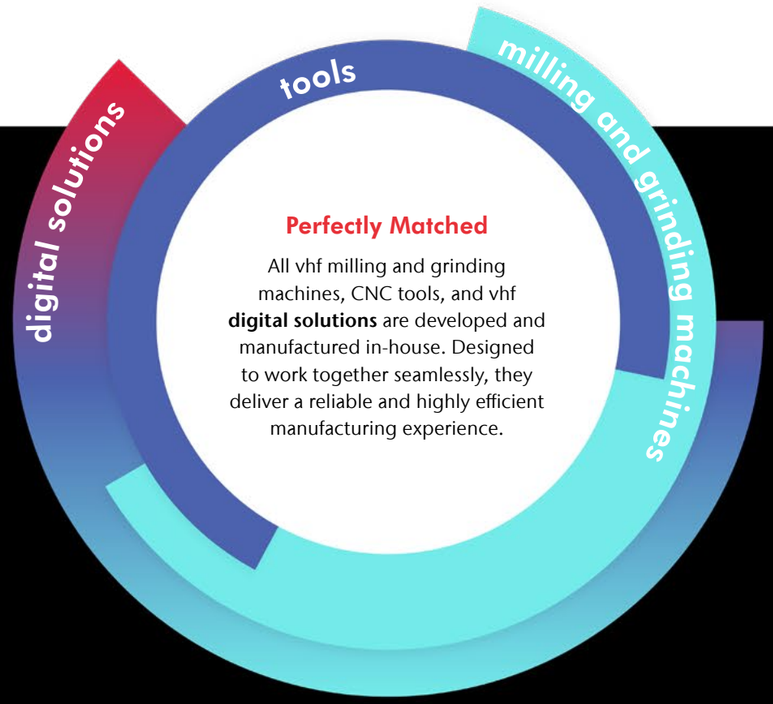


my**vhf** keeps you up to date with all relevant information about your machines – whether on a PC or laptop, or via the app with push notifications on your smartphone or tablet.



Better visibility, faster response times. More time for what matters.

Learn more about vhf **digital solutions**



Perfectly Matched

All vhf milling and grinding machines, CNC tools, and vhf **digital solutions** are developed and manufactured in-house. Designed to work together seamlessly, they deliver a reliable and highly efficient manufacturing experience.

No license fees. No additional charges.

vhf **digital solutions** are included with your machine.

All components of vhf **digital solutions** are included in the purchase price of your machine and can be used without additional license fees or subscription costs. Within each software generation, such as dental**cam** 9, all updates are provided automatically and at no additional cost, allowing you to continuously benefit from improvements and new features.

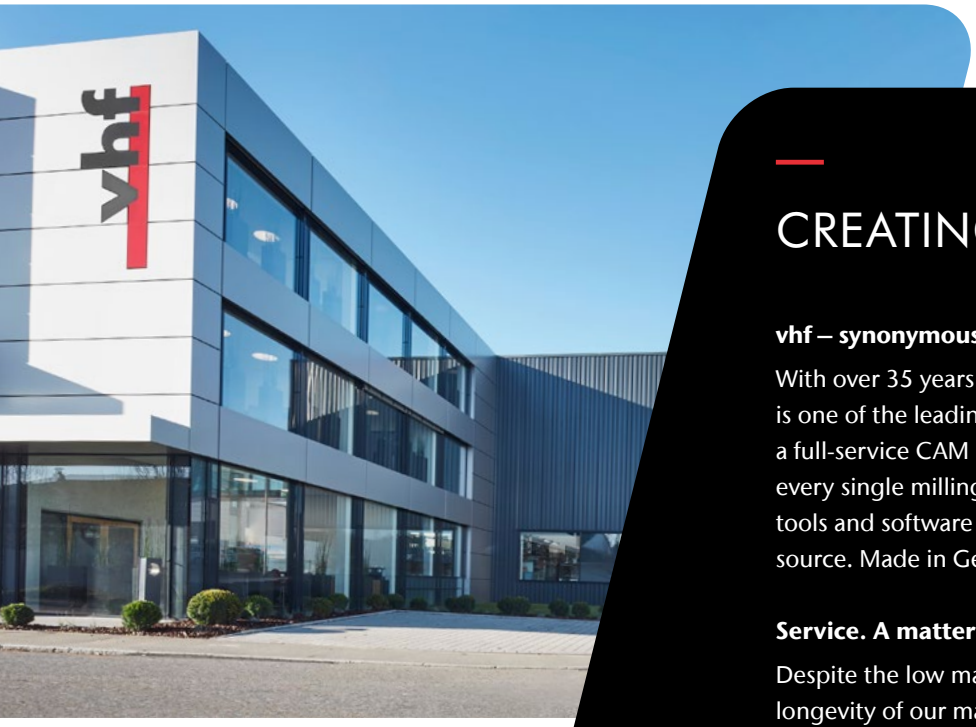
Combined with durable engineering and low operating costs, this results in an exceptionally attractive total cost of ownership throughout the entire life cycle of your machine.

Be sure to review local and/or national regulations and/or regulations by other authorized organizations or entities (e.g. professional associations, health authorities).

Digital workflows for every machine class.

vhf **digital solutions** across the entire portfolio.

vhf **digital solutions** are included with all current vhf machines and are also available for many older models. They are the perfect complement to your system:
The **EASE** CLASS stands out with its compressed-air-free design, compact footprint, and service-friendly concept – ideal for an easy start in digital manufacturing.
The **PERFORMANCE** CLASS delivers powerful solutions for dental laboratories seeking maximum efficiency, whether for dry machining, wet machining, or a combination of both.
The **HIGH END** CLASS represents maximum automation, outstanding flexibility, and the ultimate user experience.



CREATING PERFECTION.

vhf – synonymous with innovation and perfection since 1988.

With over 35 years of experience in mechanical engineering, vhf is one of the leading manufacturers of dental milling machines. As a full-service CAM provider, vhf carefully develops and produces every single milling machine as well as the perfectly matched tools and software completely in-house. Everything from a single source. Made in Germany.

Service. A matter close to our hearts.

Despite the low maintenance requirements and exceptional longevity of our machines, providing outstanding service remains a top priority for us. We support you with our new vhf Bot, the user-friendly dental**portal**, numerous online tutorials and personal support through our international service network.

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vhf camfacture AG
Lettenstraße 10
72119 Ammerbuch
Germany
+49 7032 97097 000
info@vhf.de | vhf.com

North America
vhf Inc.
80 Davids Drive, Suite 5
Hauppauge, NY 11788, USA
+1 631 524 5252
info@vhf.com | vhf.com

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