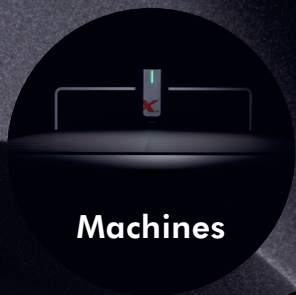


Your perfect CAM solution.

Passion for milling and cutting.



Machines



Software



Tools

vhf
CREATING PERFECTION



We have the solution

About 350 employees have been developing and manufacturing CNC milling machines, CAM software and tools at vhf for 35 years. We produce in Germany and deliver to the entire world – with all our passion for milling and cutting. With three machine series, a smart software, and a wide selection of tools, we cover almost every requirement.

Whether you have milling experience or venture into new territory: With our vhf CAM Solution and vhf as your partner, you will quickly and safely enter production.

Going an extra mile for our customers is our daily work: Your vhf milling machine is built up from matching components according to your requirements and can be retrofitted at any time – just as you like. We deliver your vhf machine to you and take care of the installation and instruction, a free support hotline, and a professional on-site service.



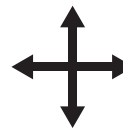
**Machines, software,
tools – all from
one source**



**Easy-to-use
in the entire
workflow**



**Different machine
series – numerous
features**



**Machine sizes
from
S to XXL**



**Delivery service
with competent
instruction**



**Made in
Germany
for 35 years**



For every application: Machines and tools from vhf

Machines from vhf work quickly and precisely. They are ideal for a wide range of materials and applications. In combination with our tools, you will achieve optimum results.



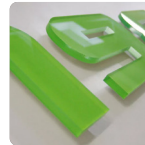
Plastics processing

Whether thermoplastics, thermosets, or composites, small, medium or large format – our machines are ideal for the job.



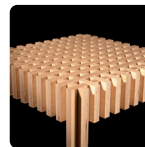
Aluminium processing

Machining of all non-ferrous metals for prototypes or series production. Also suitable for stainless steel and steel.



Sign making

Outdoor advertising, “print & cut”, inlay works, shop and trade show fittings – all of these are produced quickly and with no size restrictions.



Wood processing

Milling outline or inline contours, or pockets in solid wood, multi-layer plates, MDF or HDF, production of sophisticated inlays.



Engraving technology

Anything that needs to be engraved precisely: from simple nameplates to technical parts to sophisticatedly thinned relief work.



Mould and model making

With a vhf milling machine you can mill large three-dimensional forms as well as produce filigree models of all kinds.

X – Innovative technology and intuitive ease of use

With the vhf X, we have ushered in a new era in the field of CNC machines. It is the result of 30 years of experience. The X combines state-of-the-art technology that is neatly integrated into the machine components and can be operated intuitively via tablet. Low-vibration machine castings ensure smooth running and an outstanding edge

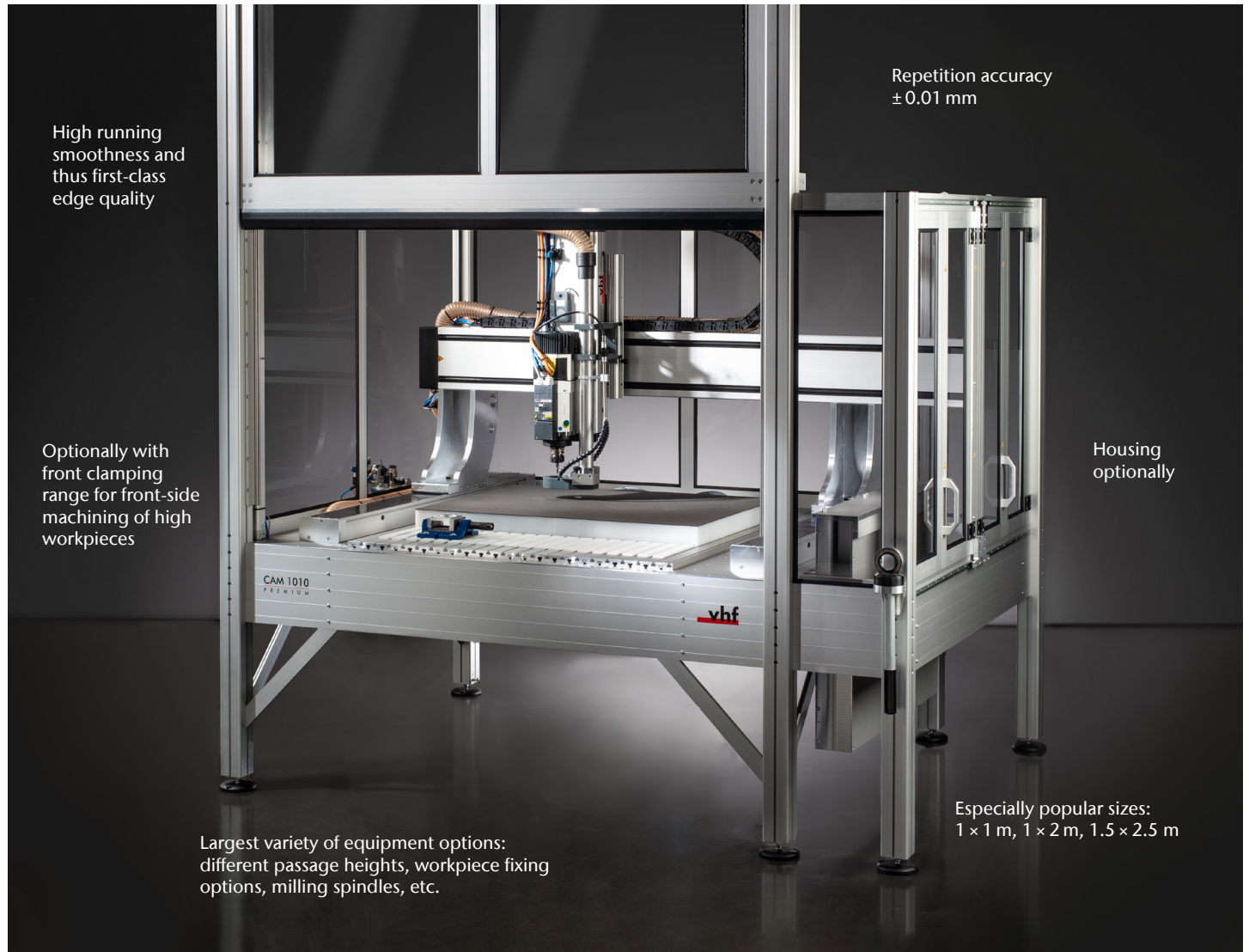
quality. The innovative **TripleXdrive** concept bundles the power of three motors per axis. This means for you: high speed combined with precision, drive power, and stability. This absolute all-rounder is well thought-out down to the last detail, with uncompromising quality standards.



Premium – at home in industry

All vhf Premium machines have been developed especially for industrial applications with their stable design and their powerful drive units. Thanks to their especially smooth running characteristics and their high accuracy, you do not have to compromise on manufacturing quality. With different clamping surfaces on your machine, you

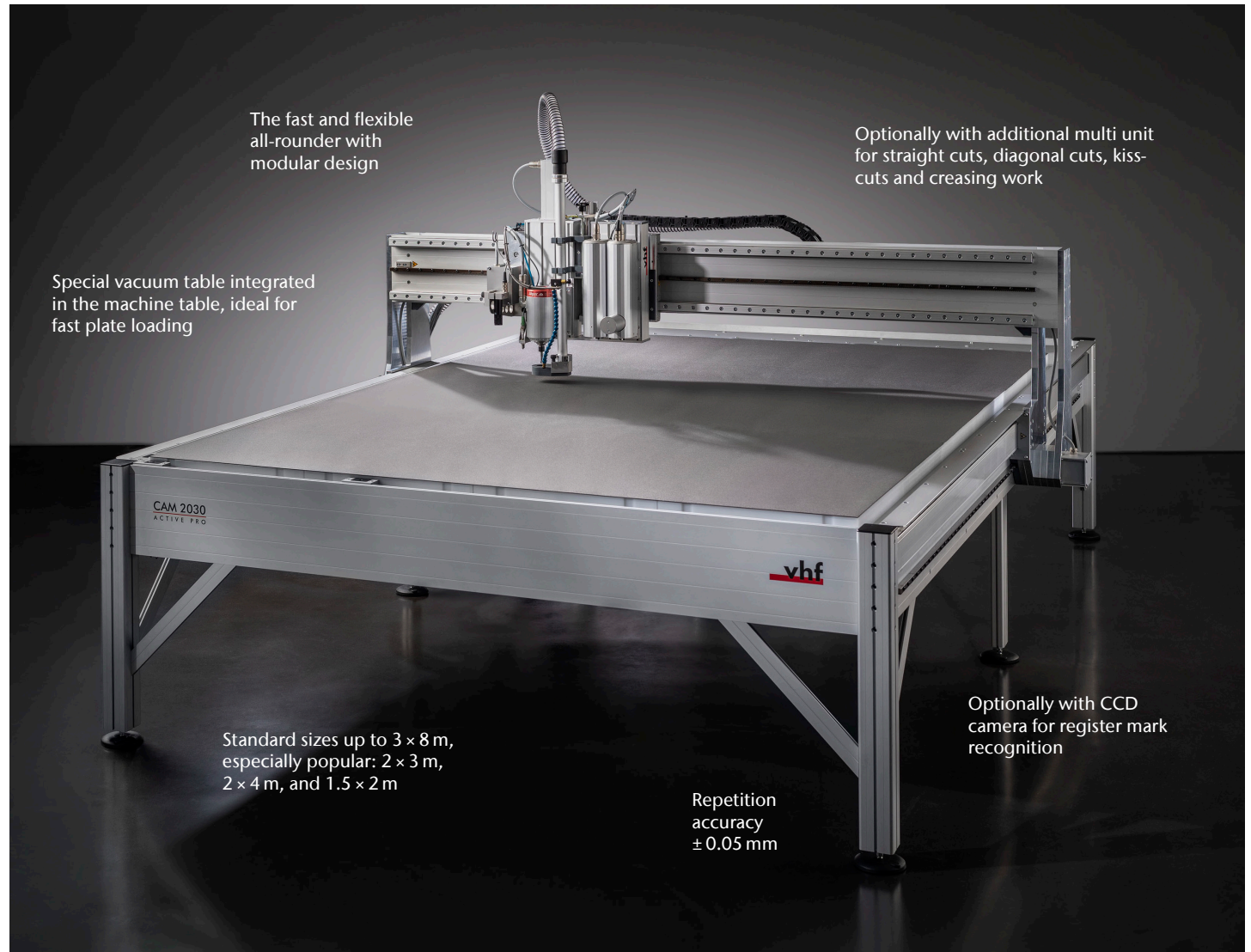
can work even more efficiently: Vacuum table, T-slot area, and front clamping area next to each other shorten your setup times. Whether sheet material, profiles, or housings – in all industries where CNC milling technology is used, you are optimally equipped with your Premium.



Active Pro – Plate processing in XXL format

The vhf Active Pro series convinces all customers who want to quickly process large format plates with its excellent price/performance ratio. With the Active Pro you can process materials such as Dibond®, acrylic, aluminium, Forex®, wood, cardboard or Kapa®. Of particular interest for sign makers is the option to precisely mill out printed

workpieces thanks to the register mark recognition system. At vhf, your desired machine is built according to your requirements in steps of 500 millimeters. From 1,000 × 1,000 mm to 3,000 × 8,000 mm. This makes our Active Pro the optimum milling machine for large to very large workpieces.



Tools from our own production

Original tools from vhf are manufactured by a particularly quality-conscious supplier: ourselves. We develop and produce according to the highest standards. Our specialty is our extensive range of single tooth cutters. For 35 years.



250,000
tools in
stock



>1,000
different cutting
edge geometries



order quickly
and easily at
shop.vhf.de



Milling cutters

A wide range of single tooth, double tooth, multi-tooth and composite cutters for different materials and requirements.



Engraving tools

Gravers and engraver's milling cutters in many different sizes and top angles, by standard balanced from 6 mm shank.



Deburring tools

For deburring, countersinking, and chamfering as well as for edge processing of non-ferrous metals and plastics with 60°, 90° and 120° top angles.



Router bits

Various designs for chamfering, grooving, lettering, radius or face milling for wood, plastic, and aluminium composite panels.



Thread cutters

Thread whirling cutters and circular thread cutters. With these tools, you can both drill the core hole and mill the thread in a single operation.



Drills

With wide range of applications for plastics, non-ferrous metals, or printed circuit boards, shank diameters up to 6 mm.



Diamond tools

Single and double tooth cutters with CVD/PCD cutting edges with particularly long tool life as well as PCD/MCD polishing tools for acrylic glass.



Lances and knives

Different designs for several tasks with up to 70 mm cutting edge length, for use in the various vhf cutting heads.

CAM Software – intelligent algorithms for precise results

Our software is a perfectly fitting component of the vhf CAM Solution. The integrated solution enables design (CAD), generation of tool paths (CAM) and machine operation (CNC), smartly combined in one program. As a special highlight, we have already integrated the tool consulting for you: From an extensive database, the software not

only suggests the tool matching your material and its thickness, but also the machining parameters which are carefully tailored to your vhf machine. This way, you have direct access to our 35 years of milling experience – you will get professional cutting data with just one click.

Always work with the right parameters by using the integrated knowledge database

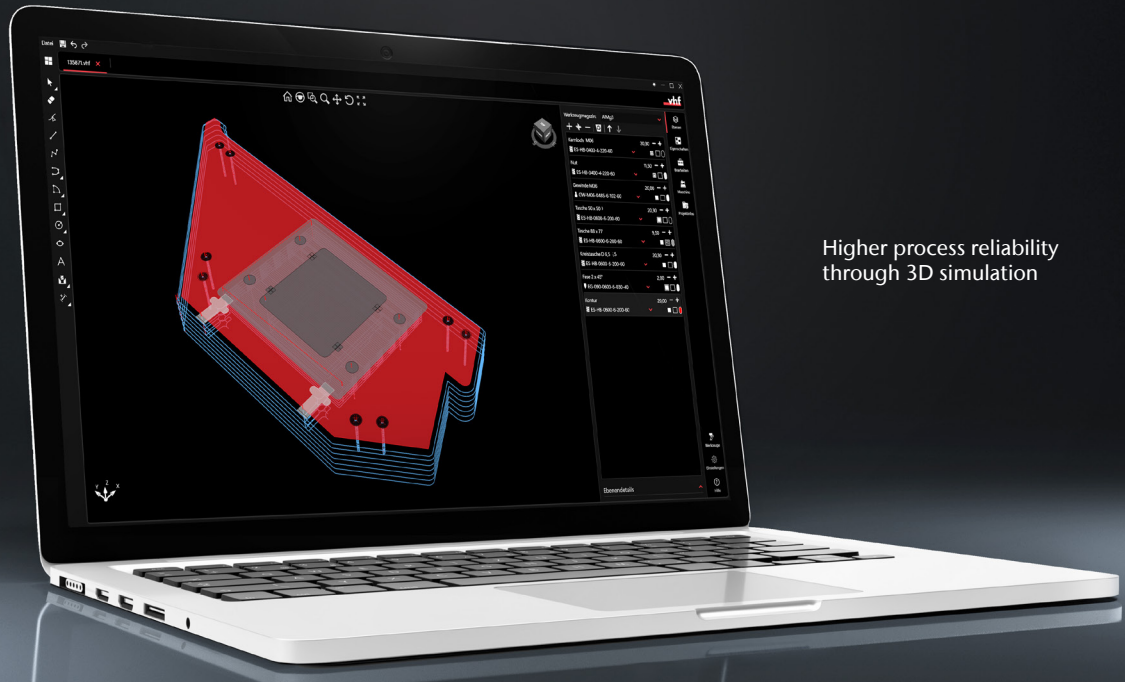
Maximum clarity through clear structuring of the program components CAD | CAM | CNC

Higher process reliability through 3D simulation

All milling paths at a glance with the 3D view option

Possibility to output finished 3D milling jobs from other CAM software

Thanks to register mark recognition also ideal for graphic applications



Contact us



+49 7032 97097 700



sales@vhf.de



Configure your
machine!



Visit our
vhf Shop!

As of: 08/2023

 **made**
 **in**
 **Germany**

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