

MAXIMUM FLEXIBILITY FOR PLATE PROCESSING.

The CNC milling machine Active Pro.

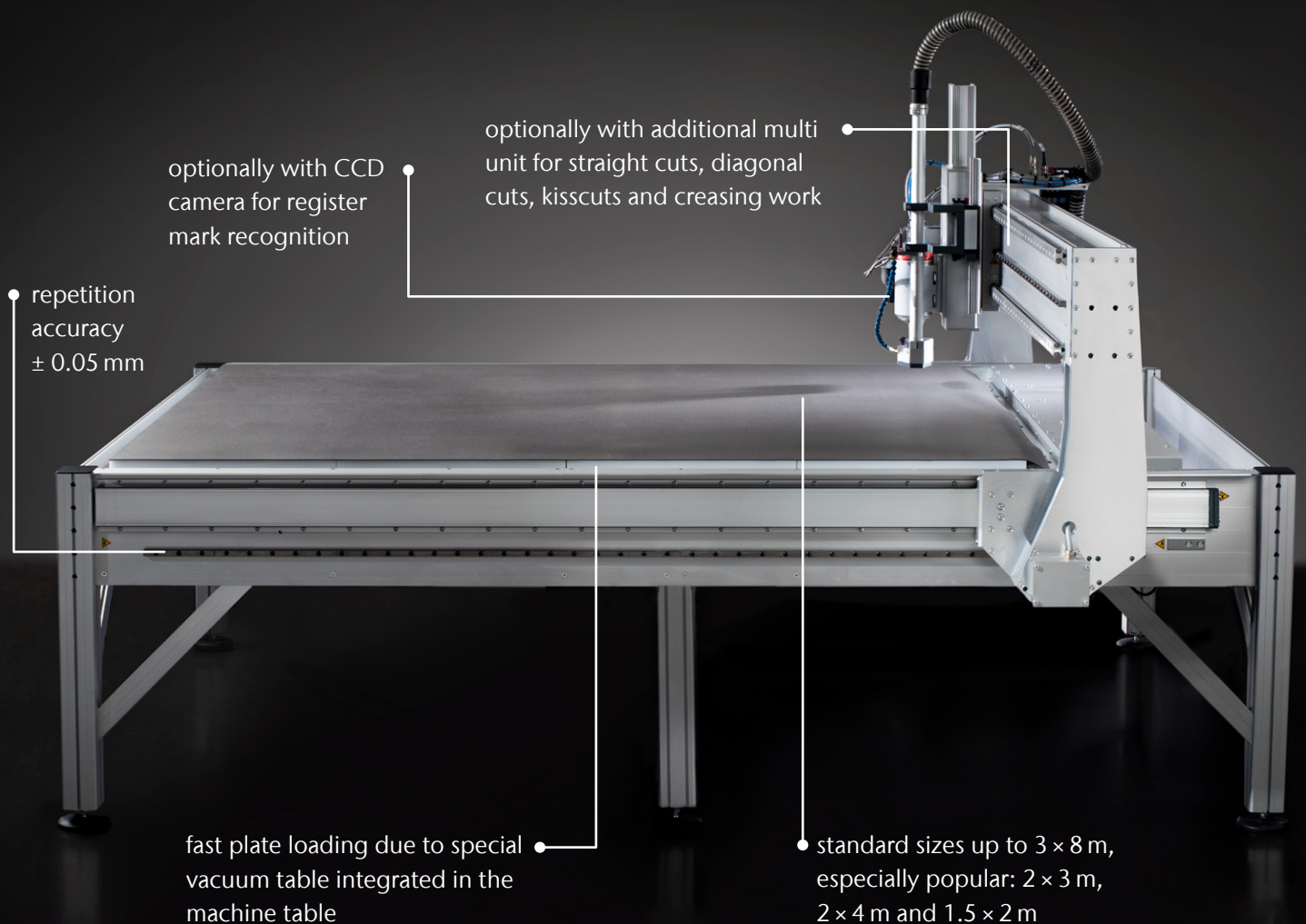


THE FAST AND FLEXIBLE ALLROUNDER WITH MODULAR DESIGN – **ACTIVE PRO**

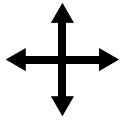
Our milling machines of the Active Pro series are ideal for all users who want to process large-format panels quickly and easily. You benefit here from particularly diverse fields of application and extensive equipment variants. Our bestseller with a positioning range of 2 × 3 m is extremely popular.

With our modular concept, you decide what level of automation you need. For example, we offer various milling spindles with and without automatic tool changers. The option to precisely mill out printed workpieces thanks to register mark recognition is another especially interesting feature. An optional pneumatic stop system makes it easier to align workpieces on the milling machine. We would be happy to personally explain the wide range of equipment options to you in detail.

Please check our website for more information
and our online configurator.
vhf.com/Active-Pro-Configurator



FEATURES AND BENEFITS? LOTS OF THEM!



Flexibility thanks to modularity

Your Active Pro is built from perfectly matching components according to your requirements in steps of 0.5 meters. From a 1 × 1 m mounting area up to 3 × 8 m and with a variety of useful options – for example, a multi unit for a wide range of cutting applications.



Whatever you need, your Active Pro can do it

Whether non-ferrous metals such as aluminum or aluminum composites, all plastics such as acrylic, foams, soft and hard rubber as well as wood and cardboard or similar – Active Pro CNC machines do not stop at any common material. And every application becomes incredibly easy for you.



Everything from one source

Machine, software, milling tools, delivery and service – all comes from vhf and is made in Germany. Everything is perfectly matching for your perfect work result.



Our price-performance winner

Our high level of development and production depth enable us to offer the Active Pro at an optimal price-performance ratio. At the same time, we remain uncompromisingly true to our quality claim *Creating Perfection*.



Many retrofittable components

Thanks to its modular design, you can also retrofit your Active Pro with further modules at a later time if required.



Delivery service with competent instruction

Our vhf delivery and installation service includes free delivery, setup and commissioning in Germany, Austria and Switzerland. We offer comprehensive and competent instruction in both the machine and the software. For other countries, we will be happy to provide you with individual rates on request.



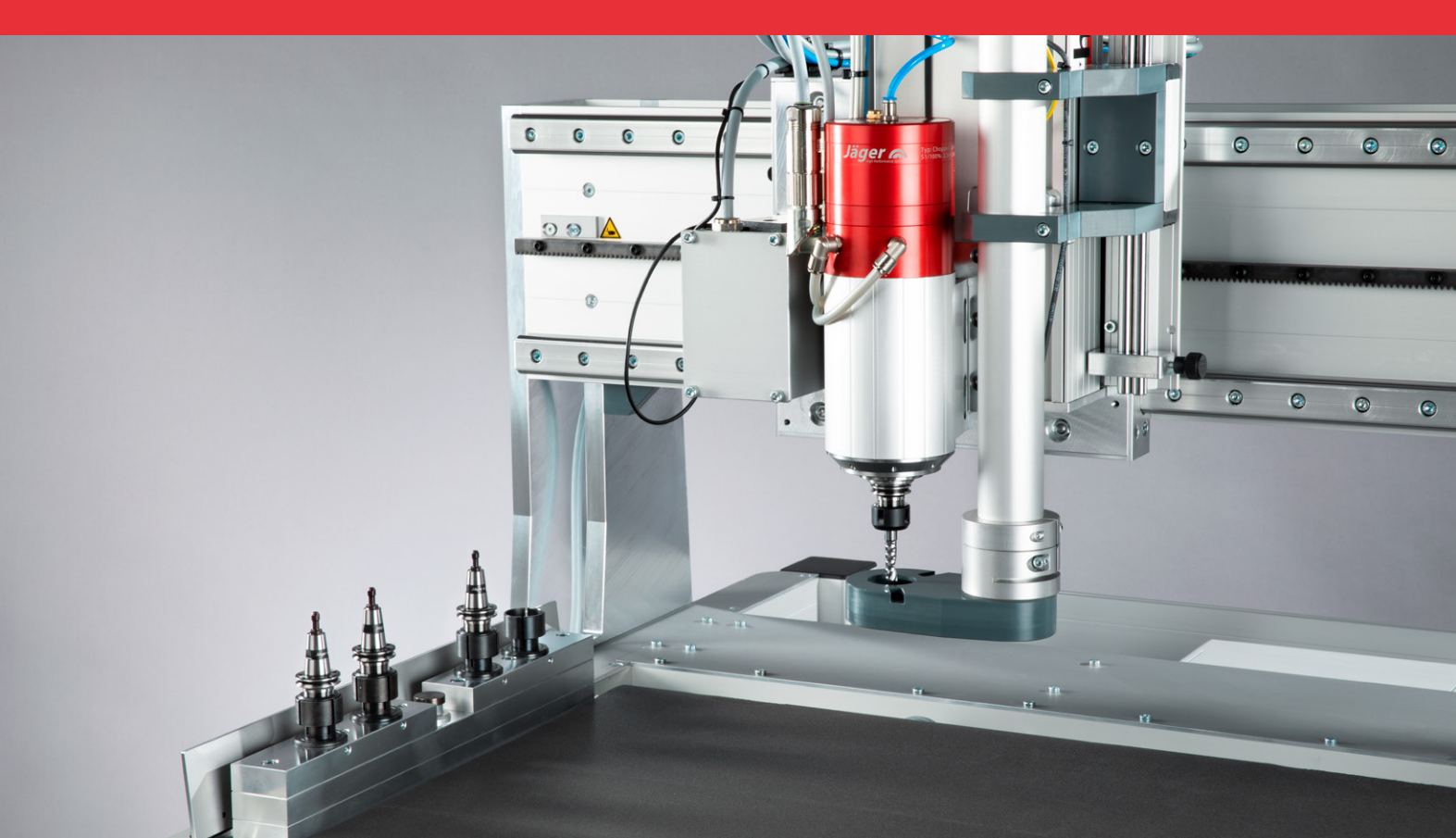
On-site assembly possible

Constricted access conditions? No problem! Use our on-site assembly service. We deliver your machine unassembled and our service technicians assemble it professionally at your installation site.



Free support hotline

You have questions about your machine or need technical support? Our vhf experts advise and support you in every phase of your production process.



TECHNICAL DATA

BASIC SYSTEM

Mounting area	flexible selectable in steps of 500 mm from 1,000 × 1,000 mm – 3,000 × 8,000 mm
Construction	high-strength aluminum panel profiles
Drives	reversed rack-and-pinion drive with precise double linear guides and hybrid motors for X and Y axis high-revving hybrid motors with gearing for X and Y axis Z axis with ball screw spindles free from backlash with flanged bearings
Repetition accuracy	± 0.05 mm X/Y axis, ± 0.01 mm Z axis
Positioning speed	250 mm/s X/Y axis
Vacuum table	workpiece changes in a matter of seconds due to suction units integrated in the machine table with individually switchable zones

EQUIPMENT OPTIONS

Milling spindle	different spindles selectable, e.g. water-cooled rotary current spindle up to 40,000 rpm, S1 = 2,300 W, P _{max} = 3,500 W, WK-19 interface, clamping range up to 10 mm shank diameter, sealing air
Automatic tool changer	4-fold, 9-fold or 14-fold cone changer
Suction unit	reliable chip removal when milling plastics, wood and metals
Cutting units	oscillating tangential cutting head as well as multi unit for diverse cutting and creasing tasks
Tool cooling	electronically controlled minimum quantity lubrication system or simple cooling and spraying device
Workpiece height measurement	automatic Z-adjustment and compensation of material thickness tolerances by workpiece leveling
Safety	barrier-free safety area thanks to laser scanner
Register mark recognition	recognition of register marks and automatic correction of milling and cutting paths



Special model Active Pure

The Active Pure is the ideal choice for anyone wanting to get started in milling technology. The machine is based on the proven Active series and is available in 1.5 × 2 m and 2 × 3 m sizes. Its scope of application focuses on the essentials.



I am very satisfied with this machine, as it meets and even exceeds all my expectations. I am also very happy with the service, which is always there to help and advise me when I have questions.

Steffen Tartler
TARTLER Zelte AG

CAM 1520
ACTIVE PRO

vhf



CREATING PERFECTION – For 35 years, vhf has been developing and manufacturing first-class CNC milling machines, CAM software and tools of the highest quality at its headquarters in Ammerbuch near Stuttgart. Here, the art of engineering Made in Germany is combined with decades of experience and passion for milling and cutting. The vhf group employs about 350 people worldwide.



ALWAYS PERFECTLY ADVISED.

Personal advice is a matter of course for us. We will be pleased to configure your vhf machine individually to suit your needs and applications.

WE ARE RIGHT HERE FOR YOU!

You are welcome to visit us for a product demonstration in our modern showroom. There, we will process your materials according to your specifications and are on hand to provide you with personal advice.

You can also experience our technologies live in action during an individual online demonstration and ask us your questions – wherever you are.



GET IN TOUCH.



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