

Visibly different, noticeably better

vhf manufacture AG will be presenting a new design of its two bestsellers N4+ and K5+ at the AEEDC 2024 in Dubai

Ammerbuch, February 6, 2024 – With the new design of the N4+ and K5+, vhf has brought its two bestsellers from the PERFORMANCE CLASS up to the latest state of the art. The two dental milling machines for laboratories and practices will be revealed for the first time at the AEEDC in Dubai, where vhf will be presenting the two powerful units at its booth.

The successful new design of the four-axis wet grinding machine N4+ and the five-axis dry milling machine K5+ produced by vhf immediately attracts attention. The new design of the machine embodies a modern, appealing look and is seamlessly integrated into the visual appearance of the vhf product portfolio. Dental technicians and laboratory staff can also benefit from an optimized performance. “Our new design has updated our proven and powerful N4+ and K5+ machines. You can see and feel the difference in the two bestsellers in our PERFORMANCE CLASS, and they also guarantee superb precision in every practice, dental laboratory or milling center. This, along with the customary high quality and reliability you’ve come to expect from vhf and our machines made in Germany,” says Lucas Kehl, Head of Product at vhf. For example, the N4+ now has a water-cooled spindle, which ensures increased process stability and achieves first-class results even during continuous operation. vhf has also added a spindle to the K5+ that is over 60 % more powerful to further optimize the demanding processing of materials such as cobalt-chrome. In addition, both bestsellers feature a high-quality quadruple hybrid ceramic bearing for the integrated spindles. The result: a significantly longer service life of the spindle, higher surface quality and a noticeably improved precision fit of the milled workpiece.

Wet grinding and milling with extra cooling: the new N4+

The N4+ has demonstrated that it is a high-performance partner for laboratories and practice laboratories since 2020. This updated top seller stands out with a new machine design and impresses even the most demanding users in the wet processing of ceramic glass blocks, composites, zirconia and titanium abutments. The new watercooled spindle ensures the essential and improved process stability, even during continuous operation. The highly compact housing contains a powerful 800 W spindle that can operate at up to 80,000 rpm to guarantee a powerful and efficient wet processing of three blocks up to 45 mm long or three prefabricated abutments. Eight fine nozzles on the spindle direct the coolant to the effective area between the tool and workpiece with great precision and ensure an optimum cooling effect. No abrasive additives are required with the **PUREWATER**, apart from titanium

machining. The proven machine technology in the highly compact housing and the familiar intuitive vhf DENTAL**CAM** software with DIRECT**MILL** technology also ensure high precision, reliability and first-class results.

Dry milling with extra spindle power: the new K5+

A contemporary design and extra performance: This is the new vhf K5+ model in a nutshell. The five-axis bestseller in the PERFORMANCE CLASS raises the bar for dry milling. The new K5+ has a more powerful spindle than its predecessor and can effortlessly mill even the hardest materials in the form of discs, blocks and abutments with 820 W and up to 60,000 rpm. The increased performance of over 60% enables users to optimize the processing of metal materials such as cobalt-chrome. Another advantage for dental technicians and laboratory staff: The new K5+ builds on the proven machine technology of its predecessor and its high precision and reliability set high standards in daily continuous operation. The additional highlights are the wide range of applications for dry milling, the DIRECT**DISC** technology for tool-free disc fixing and the simple operation via the integrated CAM software DENTAL**CAM** with DIRECT**MILL** technology.

Image material



The new N4+ is an eye-catching choice in any laboratory with its striking, updated design. vhf has also added a water-cooled spindle to the new model. Users therefore benefit from increased process stability and consistently first-class results – even during continuous operation. Image: vhf camufacture AG



The K5+ dry milling machine shines in a new splendor following the redesign. But that's not all: vhf has equipped a spindle that is over 60% more powerful, which facilitates the demanding machining of hard materials such as cobalt-chrome. Image: vhf camufacture AG

About vhf camufacture AG

vhf is a leading global manufacturer of complete milling solutions and provides perfectly compatible milling machines, milling tools and CAM software from a single source. The company is experiencing rapid growth, and is now an established provider of solutions for CAD/CAM production in the dental, industrial and advertising technology sectors and has both a national and international profile with sites in New York and Shanghai. vhf develops, designs and manufactures all the products itself in Germany and, with its decades of experience, high level of professional expertise and close collaboration with specialist dealers and users worldwide, the company is optimally placed for the future.

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