

Aigner Werkzeuge presents an extensive range of new tools at the Holz-Handwerk July 2022 in Nuremberg. The family of Konstantin® Mini DIA grooving cutters has been successfully extended by the FinishCut model series C248 & C249! A superlative DIA groove shank cutter type with outstanding properties for machining almost all types of board material is newly introduced at Aigner. A tear-free milling pattern, combined with fast feed rates, enables FinishCut users to machine materials such as multiplex, coated and veneered chipboard, as well as MDF and even furniture solid wood panels without any problems. Two cutter types with different numbers of teeth are available for different performance ranges. Starting with the C248 for rather slower to medium feed ranges, followed by the C249, a grooving cutter for CNC professionals with high performance requirements! Konstantin® Mini users can easily change the cutting edges themselves in a DIY process with a torque spanner. This eliminates long waiting times for service work and cost-intensive new purchases for replacement tools!

Of course, Aigner is not neglecting the tool range for the ever increasing number of nesting machining centres in woodworking. Here, with the C442 and the C443, two new DIA nesting cutter types are available for different panel thicknesses and performance ranges. Cleverly solved, these variants function excellently in conjunction with common suction turbines and in this combination ensure a good chip flow in the direction of the extraction system. Specially matched cutting edge geometries enable a high cutting quality on the narrow surfaces and economical milling in everyday production. In keeping with the theme of nesting, Aigner is also presenting its new C181 face milling cutter in Konstantin® design with DIA indexable inserts. In the standard version, the milling cutter is available in diameters of 80mm and 120mm with a 25mm h6 shank. The user simply decides on site whether the milling tool is to be equipped with three or six teeth. The face milling cutter can be converted for different feeds or material types with the help of blind knives. This always ensures the right operating conditions and perfect milling quality!

A special coup has been achieved with the new milling cutter types C560-1 and the C560-2. For the first time, a DIA round profile cutter and a DIA round profile routing cutter equipped with the Konstantin® Mini interchangeable blade system are available for Holzher edge banding machines. Revolutionary: Here, the profile cutters with different radii R1.0/R1.3/R2.0/R2.5/R3.0 can be exchanged by the user himself, while the trailing edge remains the same! For the user this means in plain language: No need to buy many different radius cutter sets! Any radii can be produced with the C560-1 and C560-2 by simply changing the profile cutters on site. If the DIA radius profile cutters have to be changed at the end of their service life, the machine does not have to be readjusted a second time. The two cutter types are used on the corner and longitudinal milling units on edgebanders of various sizes. Soon, standardised cutter types will also be available for other common manufacturers. Of course, this is already possible on request!