

P R E S S R E L E A S E

RUKO develops world first: ULTIMATECUT step drill with 10 mm step length

Holzgerlingen (Germany), March 8th, 2019 – RUKO GmbH Präzisionswerkzeuge, manufacturer of drilling, countersinking and cutting tools, has developed a new step drill with step lengths of ten millimeters: The ULTIMATECUT step drill revolutionizes the work process and sets new standards in flexibility and processing time by combining different tools with each other. The new ULTIMATECUT step drill will be available in specialized retailer starting in mid-April 2019.

The ULTIMATECUT step drill combines, depending on the application, up to five tools in one. The specially developed "Turbo tip" makes it easier for the user to center and drill the step drill on the workpiece. So, there is no center punching needed.

The ULTIMATECUT step drill extends the usual use of step drills up to ten millimeters, which normally are exclusively used for sheets up to four millimeters. Users can use it instead of twist drills and benefit from a significant saving in processing time of up to 75 percent. There is no need for time-consuming tool changes in pre-drilling with smaller twist drill diameters.

The four high performance cutting edges provide the power needed for applications that normally require core drills. With the help of the next step, users can deburr the drill hole simultaneously.

Where magnetic stand drilling machines struggle with low holding forces, the ULTIMATECUT step drill provides ultimate flexibility due to the usage of manual drilling machines. In addition, hard-to-reach places, e.g. T-beams, can be reached.

"We are pleased to launch an unprecedented precision tool on the market. Our technical innovations, which were already implemented in our next generation of step drills last year, are now also being used in the ULTIMATECUT step drill," says Ali Dalgic, Managing Director. "In addition, the turbo tip, the ten millimeters step length and the four high-performance cutting edges open up new fields of application".

The ULTIMATECUT step drill achieves best results not only in steel but also in non-ferrous metals, plastics, plexiglass and wood. It is ideally suited for guided drilling units and hand drills.

The ULTIMATECUT step drill made of high-speed steel is available in three different versions with the RUKO nano Technology coating. Starting with a diameter of six millimeters and different pitches. For size S1 the diameters are 6, 7, 8, 9, 10, 11 and 12 millimeters, for size M2 the diameters are 6, 8, 10, 12, 14, 16, 18 and 20 millimeters and for size L3 the diameters are 6, 9, 12, 15, 18, 21, 24 and 27 millimeters.

ULTIMATECUT

The new ULTIMATECUT product line from RUKO offers industry and professional users innovative and high-quality precision tools for the most demanding applications. RUKO manufactures the high-quality precision tools in its own production facility in Germany. In addition to the ULTIMATECUT step drill, ULTIMATECUT countersinks are also available. All ULTIMATECUT products are upgraded with our own RUKO nano Technology coating.



RUKO nano Technology coating

The RUKO nano Technology coating, RUnaTEC, is a special nanocomposite and a chemical compound of the three elements aluminum, titanium, and nitrogen. The difference to conventional coatings (e.g. the AlTiN coating, which combines the same components) is the nano- and microstructure of the coating.

A special process is used to achieve a nanocomposite structure that reinforces the properties, for example an extremely high nano hardness (45 Gigapascal (GPa)). In addition to low and, above all, very high cutting speeds can be achieved, which significantly accelerate work processes. Further positive properties are the extremely high wear resistance and the strong reduction of material welding.

About the RUKO group

RUKO GmbH Präzisionswerkzeuge has been one of the world's leading manufacturers of high-quality drilling, countersinking and cutting tools for metalworking for more than 40 years. The medium-sized, internationally operating industrial company develops, produces, and sells products and individual solutions for all production stages of the machining industry. It serves a worldwide clientele with 250 employees in seven branches and two production sites.

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