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MAPAL rounds off the portfolio for milling with radial ISO indexable inserts

At AMB in Stuttgart, MAPAL will present a milling programme with pressed, radial ISO indexable inserts, thus completing the portfolio of standard milling tools. Up to now, the company has mainly focused on a milling program with ground tangential ISO indexable inserts. These are used in particular for special applications, very large stock removal, unstable conditions or disc milling cutters.

MAPAL has incorporated the comprehensive know-how gathered in these special applications into the new series of milling cutters with radial ISO indexable inserts. The new powerful face, shoulder, slot and shell end face milling cutters are designed for roughing and for medium machining of cast iron, steel and stainless steel. They have optimally designed tool bodies with the ideal number of teeth for the respective application. Positive and negative indexable inserts made of four different PVD cutting materials, based on newly developed carbide substrates and coatings, are available for the milling cutters.

Depending on the requirement, the most economically efficient version is used. For example, between eight and 16 cutting edges per radial ISO indexable insert can be selected for face milling and between two, four and eight cutting edges for shoulder milling.

The new tools are convincing in use due to their very smooth running and low noise. In addition, very long tool lives are achieved due to the possibilities for exact adjustment to the respective material and the respective application.

Captions:

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Short profile MAPAL Dr. Kress KG

MAPAL – tooling the customer's success

MAPAL Präzisionswerkzeuge Dr. Kress KG is one of the leading international suppliers of precision tools for the machining of practically all materials. The company founded in 1950 supplies leading customers from the automotive and aerospace industries and from machine and plant engineering. With its innovations the family-owned company sets trends and standards in production and machining technology. MAPAL sees itself as a technology partner, supporting its customers with the development of efficient and resource-conserving machining processes using individual tool concepts. The company is represented with production facilities, sales subsidiaries and representatives in 44 countries worldwide. In 2017 the MAPAL Group had 5,250 employees, generating sales of EUR 610 million.