

Date: 15.05.2020

## Getting chips under control with reliable fine machining of steel materials

To ensure reliable chip breaking, MAPAL has developed a new chip guiding stage for machining steel. After all, if long chips are produced during fine machining using tools with guide pads, this can have negative effects on surface quality, dimensional accuracy and an automated process flow. The long chips wrapping themselves around the tool can cause damage.

The new chip guiding stage combats these very problems. Its special geometry, which has been designed and optimised with the aid of extensive FEM analyses and practical testing, means that the chips are broken reliably and automated workflows are not disrupted. The chip guiding stage is compatible with all indexable inserts with AS leads as well as with all coatings. That means that it can be integrated in the relevant insert irrespective of the application in question, thereby producing process reliability.

Captions:

The new chip guiding stage ensures reliable chip breaking in fine machining of steel materials.

Words:	138
Characters:	737
Characters with spaces:	873

If published, please send a voucher copy  
by mail to Patricia Müller  
or by e-mail to [patricia.mueller@mapal.com](mailto:patricia.mueller@mapal.com).

Short profile MAPAL Dr. Kress KG

MAPAL Präzisionswerkzeuge  
Dr. Kress KG  
Postfach 1520 | D-73405 Aalen

Contact:  
Andreas Enzenbach

Phone: +49 7361 585-3683  
Fax: +49 7361 585-1019  
E-mail: [presse@mapal.com](mailto:presse@mapal.com)



Date: 15.05.2020

## **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 2018 the MAPAL Group had 5,500 employees, generating sales of EUR 640 million.

**MAPAL Präzisionswerkzeuge**  
**Dr. Kress KG**  
Postfach 1520 | D-73405 Aalen

**Contact:**  
Andreas Enzenbach

Phone: +49 7361 585-3683  
Fax: +49 7361 585-1019  
E-mail: [presse@mapal.com](mailto:presse@mapal.com)