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UNISET-C - low-end fixture for optical setting of tools

One thing was in particular focus during the development of the new UNISET-C setting fixture from MAPAL: Simple handling for optical setting and measurement in the entry-level segment. The UNISET-C has a compact design, the tool to be measured is easily accessible. The measuring arm with optical measuring camera and dimmable back-light source can be easily adjusted in the horizontal and vertical to the desired position using a handle. A sensor controller integrated into the handle activates the laser in the measuring arm when touched. The laser simplifies quick movement to the desired tool position, as the current camera position is always visible as a red light dot. Fixed tools, in particular, such as solid carbide or PCD tools, can be quickly and easily measured and set using the UNISET-C. The maximum tool diameter is 400 mm, the maximum tool length also 400 mm.

Familiar high software quality

The user-friendly measuring functions of the UNISET software from MAPAL already employed in other setting fixtures have been adapted to the UNISET-C. A greatly simplified operator mode with predefined setting programs for certain tool types makes work easy even for only occasional users of the fixture. Integrated control geometries allow fully automated measurements to be carried out within seconds. The Balluff system is available as an option for faster calling up or protocolling of tool data. The UNISET software can also be expanded and specially adapted to the customer's operating conditions.

Pictorial material:

The UNISET-C is the optimum low-end fixture for optical measurement and setting.

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

Contact:
Andreas Enzenbach

Tel.: +49 7361 585-3683
Fax: +49 7361 585-1019
E-mail: presse@de.mapal.com

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by mail to Patricia Hubert
or by e-mail to patricia.hubert@de.mapal.com.

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

Contact:
Andreas Enzenbach

Tel.: +49 7361 585-3683
Fax: +49 7361 585-1019
E-mail: presse@de.mapal.com

Short profile of 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 in particular 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 outlets and service partners in 44 countries. In 2015 the MAPAL Group had 4,800 employees, generating sales of EUR 540 million.