

Date: May 10, 2023

## Precision, durability and process reliability from a single source

### MAPAL at the Moulding Expo 2023

When Moulding Expo opens its doors in Stuttgart on 13 June 2023, MAPAL will be presenting its comprehensive tool range for die and mould making, engineering expertise in CAD-CAM simulation and the new online shop with free delivery in Hall 1, Stand 1H17.

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UNIQ hydraulic chucks stand for high process reliability and machining parameters, significantly longer tool life and best surface finishes. In addition, their use is very sustainable. ©MAPAL

The tool range for die and mould making forms a cross-section of the MAPAL tooling portfolio, from milling to drilling and countersinking to reaming. It also includes clamping chucks, setting and measuring devices as well as dispensing systems and engineering services, i.e. the complete range of the full-range supplier. For die and mould making companies this means: if required, they can get an integrated machining solution from MAPAL which offers them a lot of efficiency potential.

One product highlight is the UNIQ hydraulic chucks, which stand for high process reliability and machining parameters, significantly longer tool life and the best surface finishes. Users can clamp the tool quickly and reliably in the chuck with little effort. Hydraulic chucks also make a significant

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contribution to sustainability in manufacturing. The energy requirement resulting from the use of a shrink fit device is completely eliminated. In addition, UNIQ hydraulic chucks can be used at least ten times longer than a shrink fit chuck. Reconditioning is also possible: replacing the built-in parts and refilling the hydraulic oil make the chuck ready for a "second life".

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High-precision drilling and reaming of fitting bores in one operation: The Tritan-Drill-Reamer from MAPAL. ©MAPAL

In order to be able to drill and ream fitting bores with high precision using just one tool, MAPAL has the three-fluted Tritan-Drill-Reamer in its range. The self-centring chisel edge ensures good positioning accuracy and improved spot drilling behaviour. Three cutting edges guarantee optimum roundness of the fitting bore and maximum performance. The six guide chamfers produce the best surfaces.

### **Concrete added value through CAM simulation and online shop**

The development of specific machining strategies using CAM simulation is very important in die and mould making. Here MAPAL supports its customers with its own team in the engineering area and shows how machining can ideally be carried out with the suggested tools. Optimisations can also be carried out and tested using CAM simulation without having to stop a running production.

# PRESS RELEASE



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The MAPAL Online Shop with over 6,000 products in stock is now available to customers in Germany and Austria. ©MAPAL

MAPAL's new online shop offers die and mould making customers direct access to over 6,000 products in stock. With the highly integrated and intuitive platform [shop.mapal.com](http://shop.mapal.com), users benefit from short delivery times, free delivery and state-of-the-art shop functions such as re-ordering, saving favourites and intuitive filters. In addition to purchasing, the MAPAL Shop can also be used for information and downloading. A wide range of technical data and drawings as well as material suitability and application information are available for the products.

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