

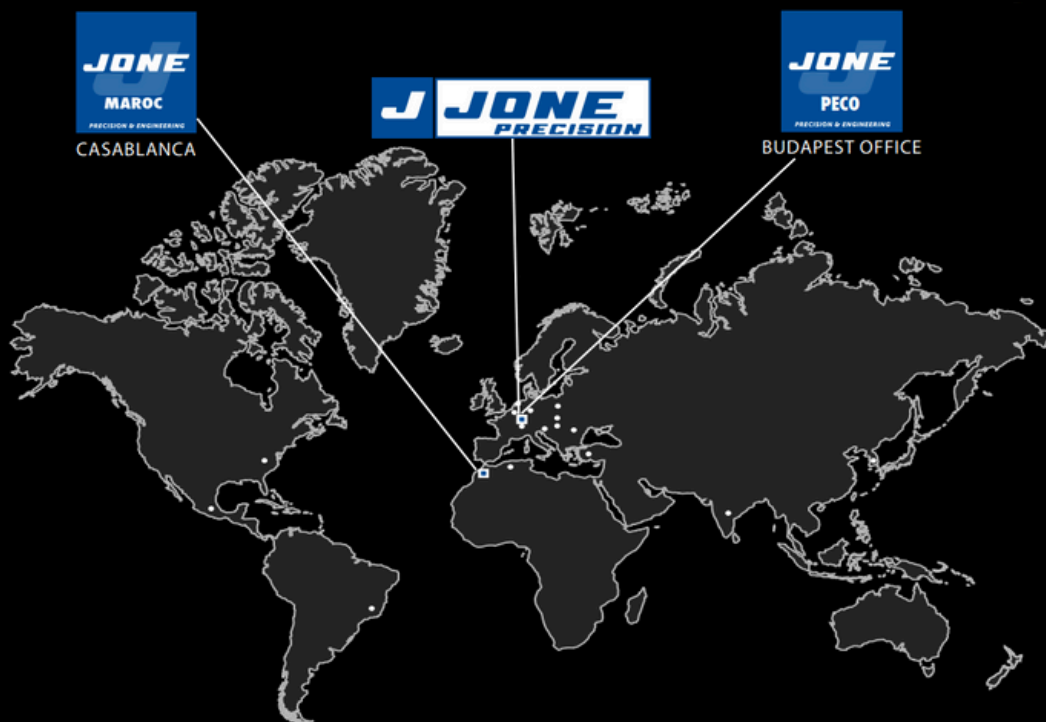


WILHELM KÖNIG MTM  
creating. tailormade. solutions.

*Sharp tools. sharp ideas*

CHANGEMENT RAPIDE





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***Sharp tools. sharp ideas***



## ***Excellent Clamping***



## **Mechanical Quick-Change Clamping System**



# Mechanical Quick-Change Clamping System

## Expertise in clamping tools

For decades, König-mtm has been one of the leading producers of high-precision clamping elements for modern machine tools.

The broad product range of the Königdmorn® brand comprises, among other things, workpiece clamping tools such as mandrels and chucks in hydraulic or mechanical versions.

## Quick and easy tool change

The mechanical quick-change clamping system of König-mtm provides an extremely fast and very easy change of the clamping device and a high degree of processing precision.

This results in a reduction of set-up efforts and set-up time as well as a prevention of possible assembly errors. Therefore, the efficiency of the production line can be significantly increased.

The integrated permanent clamping system enables secure clamping even in the event of a machine malfunction.

## Special suitability for vertical hobbing machines

The mechanical quick-change clamping system was designed for the special use on vertical machine tools in connection with mechanical clamping devices made by König-mtm.

It can be used on all common hobbing machines due to the extremely flexible design. The machines need a pressure/pull rod with two functions.

## Product benefits

- Ease of handling  
(no bolting-on of clamping devices)
- High radial and axial run-out precision
- Minimal tooling effort/time
- High workpiece flexibility
- Improved productivity



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## ***Excellent Clamping***



**Zero-point  
quick-change  
clamping system**



# Königsdorn® clamping tools with zero-point quick-change system

For decades, König-mtm has been one of the leading producers of high-precision clamping elements for modern machine tools.

The broad product range of the Königsdorn® brand comprises, among other things, work-piece clamping tools such as mandrels and chucks in hydraulic, mechanical and hydro-mechanical versions.

## Newly developed products for quick and easy tool change

To meet the need for minimal tooling effort and more cost-effective re-tooling times, König-mtm is presenting clamping tools with the zero-point quick-change system.

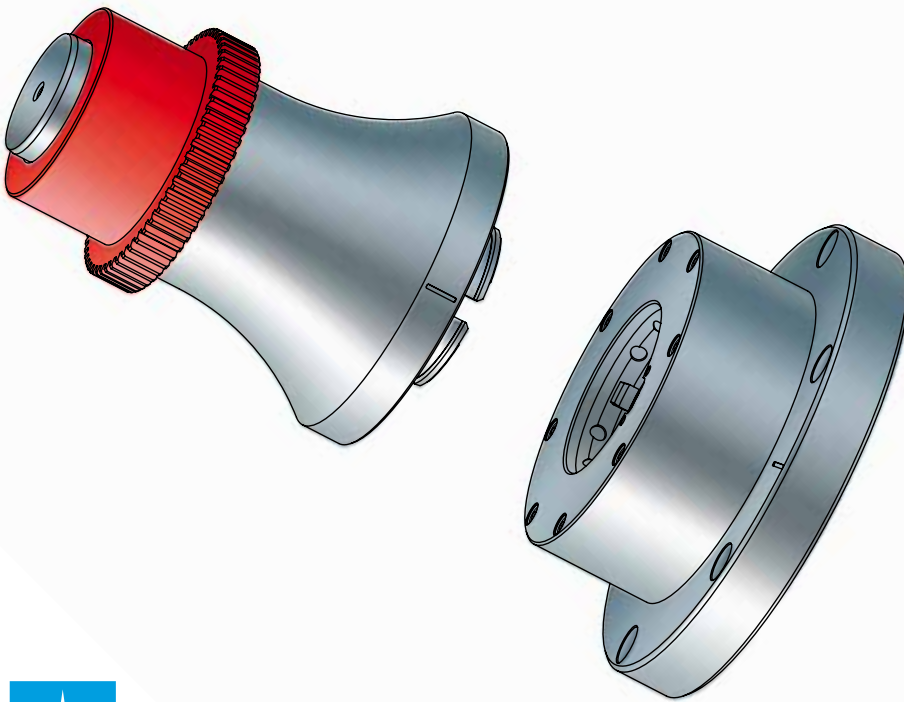
To this end, high-precision quick-change chucks based on the zero-point pallet system are combined with Königsdorn® clamping tools (hydraulic or mechanical mandrels or chucks).

Zero-point clamping systems facilitate extremely fast and simple tool change with maximum precision.

## Maximum radial and axial run-out accuracy

The newly developed, extremely sturdy and deflection-resistant joint between the clamping tool and pallet achieves outstanding repeat accuracy in both radial and axial run-out and is thus ideally suited for a wide range of machining processes, e.g. turning and hobbing through to high-precision gear grinding.

The zero-point quick change chucks are actuated pneumatically (automatically via the machine tool or manually via a blow gun). The Königsdorn® clamping tools are operated in the usual fashion via the machine tool's hydraulics (by means of a push-rod or oil pressure).



## Product features

- Ease of handling (no bolting-on)
- Maximum radial and axial run-out precision (repeat accuracy  $\leq 3 \mu\text{m}$ )
- Amenable to automation
- Minimal tooling effort/time
- High workpiece flexibility
- Improved productivity



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