



PRESS RELEASE

FLEXIBLE TOOL SYSTEMS FOR ECONOMICAL COMPONENT MARKING IN SECONDS

zeus „all-rounders“ as an economical alternative to engraving, laser or needle embossing

Continuous quality management is increasingly becoming the key to economic survival. Precise traceability, which enables the exact identification or targeted recall of individual products or batches, is becoming indispensable in all industries. Precise, fast and economical component and workpiece marking in series production is guaranteed by zeus marking technology from Hommel+Keller. Präzisionswerkzeuge GmbH from Aldingen. The standard and customer-specific or component-optimized tool systems - such as the spring-back, extremely flexible 432 segment marking system - can be integrated directly into the production process and master even the most diverse marking challenges with process reliability in a matter of seconds.

In today's world of state-of-the-art production technologies with assemblies and system components, marking workpieces is absolutely essential. Immediate traceability, batch separation and tracking as well as complete production documentation are unavoidable requirements," says Sigmund Grimm, CEO of Hommel+Keller Präzisionswerkzeuge GmbH. „Our zeus marking tools, which can be integrated directly into the machining process, are true ‚all-rounders‘. Compared to laser marking, needle embossing or engraving, they offer a fast, cost-effective and flexible alternative for marking components and workpieces directly on the production machine in a matter of seconds - whether on an inclined or convex surface, on the face or up to the collar.“

SUITABLE TOOL SOLUTIONS FOR DIFFERENT MARKING CHALLENGES

Different component geometries, interchangeable font sets, customer-specific tool configurations and more - Hommel+Keller offers the right solution for almost any marking requirement with the revolving or spring-back tool system.



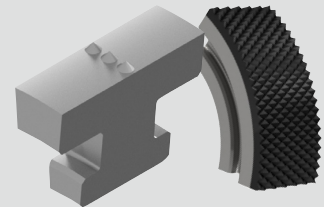
Our circulating system 131

In the circumferential marking process (131 or 311/312 tool series) for medium to large batches, for example, the lettering is embossed over several defined revolutions of the marking roll, which is matched to the workpiece and its diameter. Hommel+Keller manufactures a customized marking roll - with a logo and special characters if required - which is inserted into the machine using an easy-to-operate holder system. In most cases, a tool holder from the standard range of knurling tools can even be used.

MARKING OPTIONS ON SLANTED OR CROWNED CROWNED SURFACE, ON THE FACE OR UP TO THE COLLAR.



Standard starting segment with drive points compared to our vulcanized segment



The spring-return systems 431 and 432 promise unlimited flexibility. Here, embossing is carried out by a single partial rotation of the scroll. It stops at the end of the text and springs back to the exact starting position with the help of a return spring. This makes it possible to mark different workpieces with different diameters.



The all-rounders:
Our spring-back
Systems 431 and 432

„When it comes to flexibility and precision in marking, one of our top products - the 432 segment tool - is exactly the right choice. Workpieces can be marked right up to the collar. The user can also choose between a fixed scroll or flexibly exchangeable letter segments, for example for consecutive serial numbers. Thanks to these interchangeable segments, cost-effective text modifications are possible in no time at all. The text and reading direction can be customized. The same tool can therefore be used uni-

versally for different markings. Another special feature is that when using our special vulcanized start segment, an optimized tool set for the 432 series, marking in the spring-back system without drive points is now also possible.“ - Sigmund Grimm -

With the 432 segment marking system, it is possible to mark cold-forming materials of different workpiece diameters and shapes directly on the machine, even in the complete machining workflow. The

special surface hardening promises high wear resistance and a long service life for the tool used. Thanks to the shank adapters supplied, the 432 tool system can be used universally on various types of CNC sliding headstock and sliding headstock lathes.

„Our zeus marking tools are as universal as possible, but also as specialized as necessary. In most cases, our standard tools already have the potential to be the perfect problem solver. We also design specially adapted custom solutions for unusual and tricky applications. These also offer the highest quality and make a good impression even in demanding production environments!“ - Sigmund Grimm -



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