### Press release Reutlingen, May 2018

**Vice for rapid fixating with adjustable and repeatable clamping force**

**The company dk FIXIERSYSTEME GmbH & Co.KG from Reutlingen, Germany has developed this vice as a sister product to its successful tailstock. While the tailstock holds all types and sizes of rotationally symmetrical parts quickly, reproducibly, securely and simply with adjustable clamping force, a similarly functional and economical counterpart for milled parts with arbitrary geometry was missing until now. A solution is now available:**

**dk was presenting the vice for the first time at the Control 2018 exhibition.**

The vice, that dk manufacures itself, is primarily used for taking optical measurements, but is also suitable for all CMM's. By tactile measurement technology the vice is mounted on a pallet which is then fastened to the measuring table using elements from the SPANNFIX program from dk. For optical measurement technology the vice and pallet are laid on the toothed rails of the SCHIENENFIX system, or the vice can be mounted directly on the slotted rails.

The new clamping technology is so extremely versatile and can be set up specifically to suit the part being measured. Additionally, the vice offers an economical solution for multiple clamping as it can be simply integrated into the other compatible dk fixating programs such as SPANNFIX and SCHIENENFIX.

Advantages compared to conventional vices:

* The position, travel and clamping force are initially preset, so that the part is removed by simply pulling the jaw out and the next part can then be held with the identical clamping force.
* Adjustable clamping force that remains constant for all measurements of a batch instead of using incalculable clamping forces through manually tightening the screw as on a normal vice.
* The area under the jaws is free and is therefore ideal for optical measurements with transmitted light.
* The intelligent design enables the large selection of exchange jaws to be mounted while the vice is horizontal or vertical so that parts can be held parallel to the axis in any position.
* Large clamping width due to the two-part design: 200 mm when mounted on a pallet, 400 mm when mounted on slotted rails.
* Low design making them ideal for optical metrology equipment.

Using the vice:

* Very rapid fixating for effective working
* Limitable clamping force for sensitive parts
* Customer specific clamping force range generated by an exchangeable spring
* Reproducible clamping force
* No system component under the test item
* An infinite clamping width up to 400 mm is possible
* Exchange jaws from the compatible dk SPANNFIX program
* Fully integrated into the dk SCHIENENFIX program

When used as described, the vice is advantageous for a very wide range of possible uses for single or batch measurements in almost all sectors and for countless part sizes and geometries. It should be seen as an addition to the precision vice, especially where small, definable and reproducible clamping forces must be attained quickly, constantly and without complications.

**Number of characters**

Total: 3.021 characters

Words: 479 words

Image 1: Image 2:

**Vice Tail stock**

New developement for parts Existing principle for

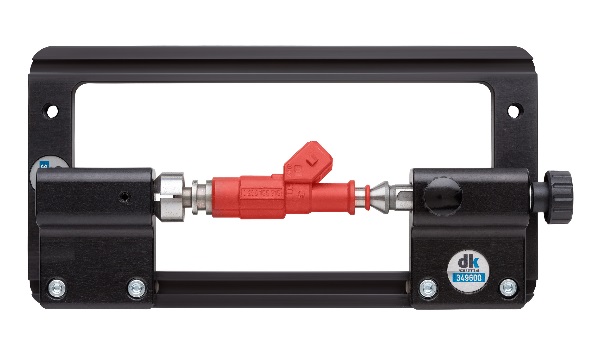
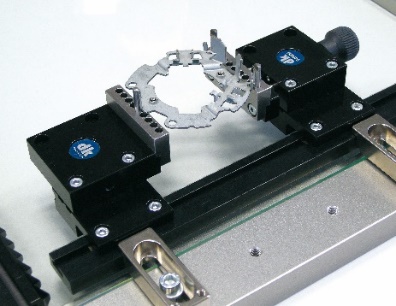
with arbitrary geometry rotationally symmetrical parts

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**A short profile about dk FIXIERSYSTEME**

The core expertise at dk FIXIERSYSTEME focuses on modular clamping designed specifically for measuring technology.

Active in this sector since 1972, the dk team began working with fixturing technologies from an early stage and has further developed this range of products over the course of time. Today, the product range encompasses ca. 1.000 products which can be freely combined and therefore form a modular system. Users who work with dk technology regularly confirm that the possibility to combine modules flexibly and the durability of the elements guarantee a precise measurement result with a continuous workflow.

*dk Fixiersysteme: modular. simple. better.*

dk FIXIERSYSTEME GmbH & Co. KG

Ferdinand-Lassalle-Strasse 35

72770 Reutlingen, Germany

Telephone: +49 7121 90971-0

Fax: +49 7121 90971-20

[info@dk-fixiersysteme.de](mailto:info@dk-fixiersysteme.de)

www.dk-fixiersysteme.de