### Press release Reutlingen, August 2020

**Views in optical metrology:**

**The four-jaw chuck from dk**

Precision manual chucks come under the standards for optical and tactile metrology, therefore the modular system of the dk fixing range does so as well.   
In general machine construction, the concentric four-jaw chuck is given the following two main tasks:

* Clamping square materials
* Clamping workpieces which are sensitive to deformation

In optical metrology, one factor is essential:

* The view through the centre of the chuck

**Why is the view at the centre important?**

Optical measurement is an easy task if the workpiece is being checked in transmitted light or, generally speaking, if there is a clear contrast with the environment. With an ordinary three-jaw chuck, however, there is always one jaw behind the end of the workpiece – this is not an optimal scenario.

The perfect scenario would be where the space behind the end of the centre axis of the workpiece is kept as clear as possible – and this is what we have with the four-jaw chuck.

**What other advantages do the manual four-jaw chucks from dk have?**

* The optional standard SWA39 interface, which means the chuck can be adapted to all the quick clamping fixtures and setup and adjusting elements in the dk modular system
* An integrated pin hole with three sets of pins of varying length, which make it possible to hold the workpiece above the jaws as well
* Jaws can be reversed without tools
* Suitable blanks are supplied for machining by the customer for special workpieces and processes

**Number of characters**

Total: 1.499 characters

Words: 250 words

**A short profile of dk FIXIERSYSTEME GmbH & Co. KG**

The core expertise of dk FIXIERSYSTEME is in modular clamping specially for measuring technology, but also for laser technology, metering technology, mounting technology, microtechnology and parts handling.

Soon after it came onto the market in 1972, the dk team started specialising in fixing technologies and has been expanding its range of products since then. Today, our product range includes about 1,000 products which can be freely combined together in a modular system. Users who work with dk technology regularly confirm that the flexible combination of modules and the durability of the elements ensure precise measurements while maintaining a fast workflow.

*dk Fixiersysteme: modular. simple. better.*



dk FIXIERSYSTEME

Ferdinand-Lassalle-Straße 35

72770 Reutlingen

Telephone: +49 7121 90971-0

Fax: +49 7121 90971-20

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

[www.dk-fixiersysteme.de](http://www.dk-fixiersysteme.de)

Image 1: Image 2:

**Manual four-jaw chuck Manual four-jaw chuck**

for viewing at the centre of the clamped workpiece

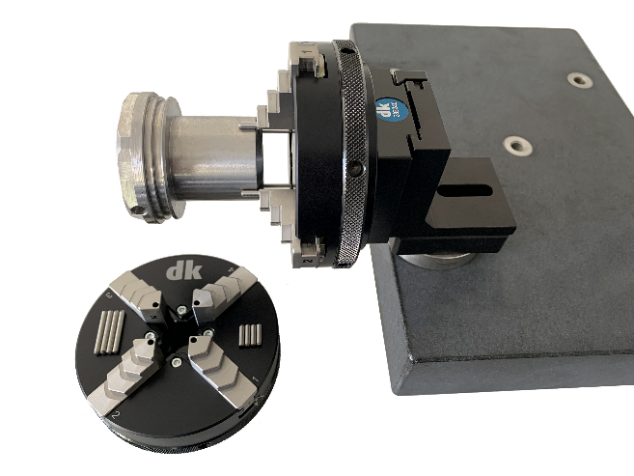


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