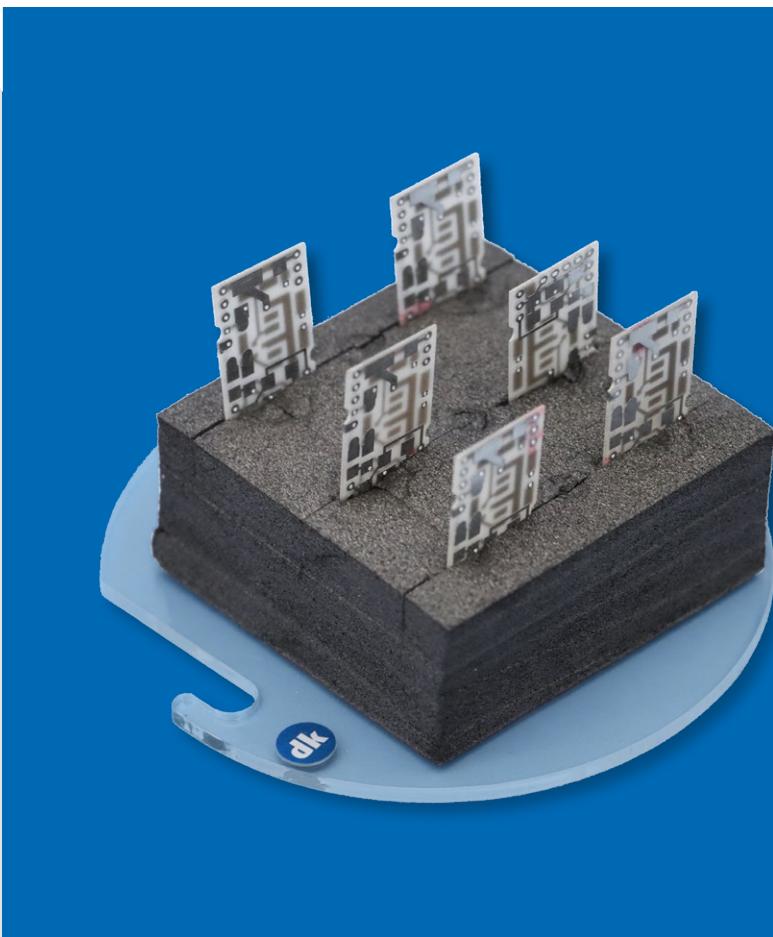


## ***CT-Multi-Tower for computed tomography***



# **Double process optimisation by increasing the fill capacity and minimising the load and unloading time of the CT unit:**

## **CT-Multi-Tower**

- » with several adjustable levels
- » with quick-change levels
- » with optional quick-change systems

After successfully positioning the X-ray transparent modular system SWA39 CT for individual test objects, the challenge now is to scan as many test parts as possible in the minimum time. Ideally, using the Z-axis potential, several batches of test specimens would be positioned over each other in order to scan them - e.g. overnight - using one inspection programme.

The second objective is to increase productive machine time by setting up outside the machine. We offer you three options for rapidly exchanging the fully equipped tower in the CT:

- 1) Due to the solid baseplate, the CT-Tower still stands quickly and securely on the turntable even without interface
- 2) With SWA39 interface, the CT-Tower is held securely and exactly centred, and can be rapidly exchanged
- 3) With the self-centring taper attachment, the exchange is not only quick, safe and centred, but can also be carried out automatically by robotics

A fourth variant for the quick change of test part carriers is the exchange of the individual equipped levels of the CT-Multi-Tower, which can be easily secured and released again.

## **Support and locking elements**

- » For installing any number of shelves
- » For height adjustment of the shelves
- » For part specific spacing of the shelves
- » Tool-free operation



## **Shelf element**

- » Individual shelves for workpiece carriers
- » Fixed-variable height adjustment
- » Rapid tool-free exchange

## **Baseplates**

- » Made from solid aluminium; secure stand
- » Incl. screws for optional fixation
- » Elongated holes for precisely centred alignment

## **CT stand columns**

- » With thread for arbitrary height adjustment of the shelf elements



## **Optional:**

### **Self-centring taper attachment**

- » Device-specific design
- » As a base for automation

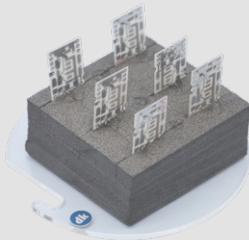
## **Optional:**

### **Quick-change interface**

- » SWA39 standard interface centre mountable
- » Tower is manually lockable



# Single components and sets



The CT-Multi-Tower from dk is self-standing, with a high inherent stability due to the solid baseplate. It can be attached to the turntable by means of screws through slotted holes in the baseplate. Optionally, an SWA39 quick-action clamp can be mounted for centred zero-point clamping. For robotic automation, we provide machine-specific self-centring tower attachments.

## CT-Multi-Tower Sets

### Set 70/4 with Ø 70 mm baseplate and a total height of 300 mm

Description	Order number
Consisting of 1 solid alu baseplate, 3 columns M8, 3 height adjustable, shelves, 21 support/locking fittings M8 for height adjustment of the shelves	440200

### Set 110/4 with Ø 110 mm baseplate and a total height of 300 mm

Description	Order number
Consisting of 1 solid alu baseplate, 3 columns M8, 3 height adjustable, shelves, 21 support/locking fittings M8 for height adjustment of the shelves	440205



### Set 250/6 with Ø 250 mm baseplate and a total height of 700 mm

Description	Order number
Consisting of 1 solid alu baseplate, 3 columns Ø 10 mm, 5 height adjustable shelves, 15 screw fittings Ø 10 mm for height adjustment of the shelves	440210



## Single components

### Shelf elements (infinitely adjustable, secure locking, easy release and individually removable)

Description	Order number
Shelf 70 with Ø 70 mm, for quick changes, set with 10 units	440230
Shelf 110 with Ø 110 mm, for quick changes, set with 10 units	440235
Shelf 250 with Ø 250 mm, for quick changes, set with 10 units	440240



### Support and locking elements

Description	Order number
On CT-columns M8 infinitely adjustable locking elements; set with 6 units (for 1 shelf)	440260
On CT-columns Ø 10 mm infinitely adjustable locking elements; set with 3 units (for 1 shelf)	440265



### Option

#### Quick-action clamp system (SWA39 on adjustable base rail)

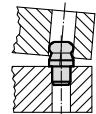
Description
For mounting on the turntable of the CT system; rotatable and movable for centring the CT-Tower; with quick-change interface SWA39 for securely clamping the tower; incl. SWA39 adapter for mounting on CT-Multi-Tower; size, adjustment range and fastening individually adapted to the turntable of the respective computer tomograph (drawing required)



### Option

#### Quick-change interface system (self-centring taper attachment)

Description
For mounting on the turntable of the CT system; self-centring and self-fixating interface incl. taper adapter for mounting on CT-Multi-Tower; individually adapted to the turntable of the respective computer tomograph (drawing required)





TACTILE MEASURING



OPTICAL MEASURING



MACHINE VISION & SENSOR



CONTOUR & SURFACE MEASUREMENT



COMPUTED TOMOGRAPHY



3D LASER SCANNING



dk FIXIERSYSTEME GmbH & Co. KG

Untere Breite 7  
D-72144 Dußlingen

Tel. +49 (0) 7072 60042-0  
info@dk-fixiersysteme.de  
www.dk-fixiersysteme.de

*modular. simple. better.*

# The entire world of fixating, clamping and positioning

The around 1,000 part comprehensive standard construction sets of the dk fixating systems for measuring technology offer the following advantages:

- » Modular system that has grown and proven itself over decades
- » Modularity across different programmes
- » Solutions for every positioning task
- » Economic efficiency through the synergy effects of several sector solutions



FAST  
REASSEMBLY  
LIFELONG



**The basic principle of all dk FIXIERSYSTEME!**

Our fixtures have a modular design, may be dismantled at any time and reassembled to their initial state. The compatibility of dk FIXIERSYSTEME ensures perfect utility value.