

alfa-set twincam



Tool presetting and measuring device with auxiliary second camera for axial and radial measuring with frontal illumination



twincam basically corresponds to the alfa-set 23 and 44 tool presetting and measuring device with **vision 4** image processing. It is also equipped with a second 90° manually rotatable colour camera with frontal illumination and a **Heidenhain rotary encoder** for the B-axis. All measurements using the second camera, radial and axial, are made with frontal illumination at 20x / 40x or 80x magnification. The 12.1" TFT colour touch screen acts as a measuring surface for all major tool parameters. Measuring points can also be set on the screen using the mouse pointer. In principle, all angles and radii visible by the camera can be measured. For this purpose, **vision 4** and **twincam** have a number of measuring programs.

The HLD 50 tool holder is equipped with a vacuum tool feed/ pneumatic rotational clamp and 4x90° indexing. The rotary encoder built into the tool axis allows spacings and spiral angles, etc., to be measured.

Examples of use:

In addition to **vision 4** image processing, the following are some of the many measurements possible with **twincam** using frontal illumination at either 20x /40x or 80x magnification.



Spiral pitch and angle



Chamfer width with perpendicular function



Spacings



Clearance angle



Frontal radius-angle measurement



DXF drawings (optional)

Measuring ranges

alfa-set 23 twincam
 alfa-set 25 twincam
 alfa-set 44 twincam
 alfa-set 46 twincam

Diameter

X = 220 mm
 X = 220 mm
 X = 370 mm
 X = 370 mm

Tool length

Z = 380 mm
 Z = 500 mm
 Z = 450 mm
 Z = 650 mm

Connection data

Electrical: 100 – 240 V AC /50/60 Hz
 Compressed air: 6 bar, dry

Accessories

Printer
 Reductions
 Master mandrels
 Stand (height 850 mm)
 Table rack for reductions
 are available from stock

Delivery contents

Basic bench-top unit
 50 taper tool holder, pneum.
 Heidenhain rotary encoder
 power supply unit 12 V
 Testing pin
 MyXPert®/alfa-set software
 Cutting-edge cleaner
 Operating manual
 Guarantee certificate
 Disposable transport box

For further information see brochure for alfa-set 23 and 44.

We reserve all rights to make technical improvements!

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