

# T4

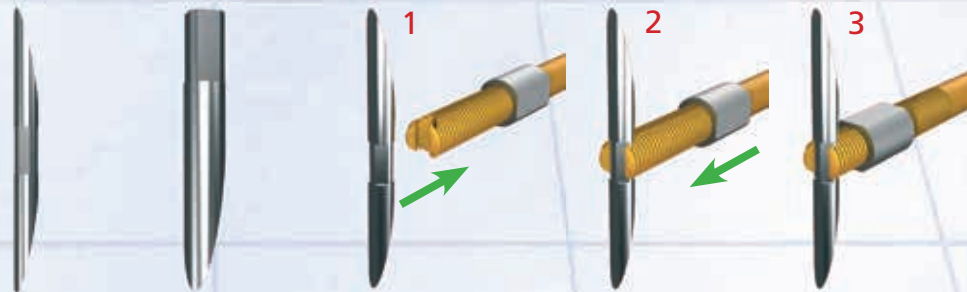
# HD

high definition  
metrology

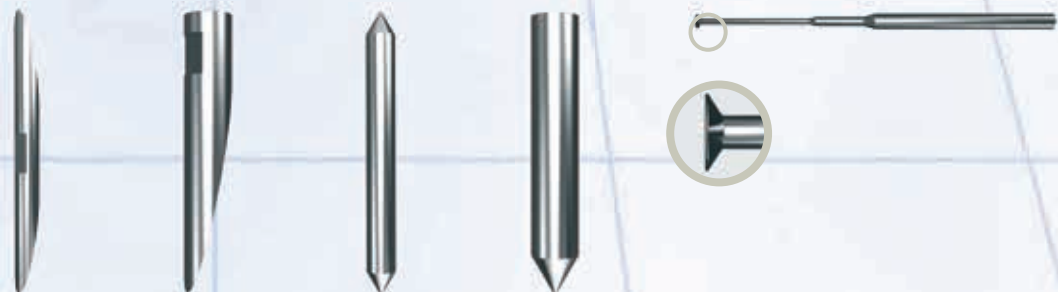
## Probe arms and probe tips for contour and roughness metrology



Probe tips with click-mounting system:  
Form fitting assembly, without interfering front screws



Compatible probe tips for screw fastening



**TriebwörPX**

Manufacturer: Triebwör GmbH & Co. KG

**KITOTEC**

Sales: **KITOTEC GmbH**

# T4

Our top technology sets new standards  
and solves a lot of problems

**HD** high definition metrology  
Probe arms and probe tips for contour and roughness metrology  
Made by Triebworx

*T4HD USB probe arms with standard auto calibration eliminate delayed consequences of incorrect operation. All probe data is stored directly within the probe arm.*

### T4HD standard probe arms for downward scanings:



#### **T4HD100-2.5 USB/S**

Probe arm with single probe tip  
Stylus with integrated 2.5 mm tip, R = 25 µm



#### **T4HD R-100-6 USB/S**

Roughness probe arm with diamond tip  
6.0 mm, R = 2 µm



#### **T4HD100-6.5 USB**

Probe arm with single click-mounted carbide tip, 6.5 mm, R = 25 µm



#### **T4HD100-23.5 USB**

Probe arm with single click-mounted carbide tip, 23.5 mm, R = 25 µm



#### **T4HD200-6.5 USB**

Probe arm with single click-mounted carbide tip, 6.5 mm, R = 25 µm



#### **T4HD200-23.5 USB**

Probe arm with single click-mounted carbide tip, 23.5 mm, R = 25 µm

### T4HD standard probe arms for double-sided scanings:



#### **T4HD100Disk-ø1.0 USB/S**

Probe arm with disc-shaped tip  
ø 1.0 mm, R = 0.1 mm



#### **T4HD100Disk-ø2.0 USB/S**

Probe arm with disc-shaped tip  
ø 2.0 mm, R = 0.1 mm



#### **T4HD100Disk-ø2.5 USB/S**

Probe arm with disc-shaped tip  
ø 2.5 mm, R = 0.1 mm



#### **T4HD100Disk-ø5.0 USB/S**

Probe arm with disc-shaped tip  
ø 5.0 mm, R = 0.1 mm



#### **T4HD R100-2x5 USB/S**

Roughness probe arm with double-sided diamond tip, 10.0 mm, R = 2 µm



#### **T4HD100-2x5 USB**

Probe arm with click-mounted double-sided carbide tip  
2 x 5 mm, R = 25 µm



#### **T4HD100-2x9 USB**

Probe arm with click-mounted double-sided carbide tip  
2 x 9 mm, R = 25 µm

**T4HD USB probe arms are impossible-to-confuse**

and prevent probe damage and measuring errors due to incorrectly selected probes.

CNC measurements can only be started if the correct probe is attached.

**T4HD standard probe arms for double-sided scanings:**



**T4HD200-2x5 USB**

Probe arm with click-mounted double-sided carbide tip, 2 x 5 mm, R = 25 µm



**T4HD200-2x9 USB**

Probe arm with click-mounted double-sided carbide tip, 2 x 9 mm, R = 25 µm



**T4HD200-2x20.5 USB**

Probe arm with click-mounted double-sided carbide tip, 2 x 20.5 mm, R = 25 µm

**T4HD custom probe arms:**



**T4HD100-90°-1.5x10 USBIS**

Probe arm, angled 90° x 10 mm with ruby sphere, R = 0.75 mm



**T4HD100-20.5 USBISIK**

Probe arm with conical probe tip 20.5 mm screw-mounted, R = 50 µm



**T4HD100-33 USBIS**

Probe arm with single probe tip 33.0 mm screw-mounted, R = 25 µm

**T4HD USB probe arms are available with form-fitting HD probe tips**

and prevent measuring errors due to twisted assembly. On demand you can replace the probe tip with one click, without the need for tools or adhesives.

**T4HD custom probe arms:**



**T4HD200-33 USBIS**

Probe arm with single probe tip 33 mm screw-mounting, R = 25 µm



**T4HD200-59,5 USBIS**

Probe arm with single probe tip 59.5 mm screw-mounting, R = 25 µm

*Further custom probe arms are available on request*

**T4HD stylus with disc-shaped tip for double-sided scanings:**



**T4HD-60-1.0**

T4HD carbide stylus with disc-shaped tip 1.0 mm, R = 0.1 mm



**T4HD-60-2.0**

T4HD carbide stylus with disc-shaped tip 2.0 mm, R = 0.1 mm



**T4HD-60-2.5**

T4HD carbide stylus with disc-shaped tip 2.5 mm, R = 0.1 mm



**T4HD-60-5.0**

T4HD carbide stylus with disc-shaped tip 5.0 mm, R = 0.1 mm

# Save time, money, and energy with our advanced technology

# T4

## HD

high definition metrology

Probe arms and probe tips for contour and roughness metrology

Made by Triebworx

Top technology that sets new standards

### T4HD probe tips with click-mounting system, for downward scannings:

**T4HD-01-48-6.5**  
T4HD carbide probe tip  
6.5 mm, R = 25 µm

**T4HD-01-48-23.5**  
T4HD carbide probe tip  
23.5 mm, R = 25 µm

### T4HD probe tips with click-mounting system, for double-sided scannings:

**T4HD-01-48-2x5**  
T4HD carbide probe tip  
2 x 5 mm, R = 25 µm

**T4HD-01-48-2x9**  
T4HD carbide probe tip  
2 x 9 mm, R = 25 µm

**T4HD-01-48-2x20.5**  
T4HD carbide probe tip  
2 x 20.5 mm, R = 25 µm

### T4HD roughness probe tips:

**T4HD-DSP-90-6**  
T4HD roughness probe tips:  
6,0 mm, R = 2 µm  
90°

**T4HD-DSP-90-2x5**  
T4HD diamond tip, for double-sided scannings  
10,0 mm, R = 2 µm  
90°

### T4HD stylus with integrated probe tip:



**on request**  
T4HD carbide stylus with integrated carbide probe tip, 2.5 mm, R = 0.1 mm

Probe tips or styluses with integrated probe tips can be provided compatible to older measurement systems or to third-party-manufacturers:

### Compatible probe tips, screw mounted, for downward scannings:

**01-48-6/S**  
Carbide probe tip  
ø 1 mm  
6.0 mm, R = 25 µm

**01-48-20.5/S**  
Carbide probe tip  
ø 3.5 mm  
20.5 mm, R = 25 µm

**01-48-20.5/S/K**  
Carbide probe tip  
ø 3.5 mm  
20.5 mm, conical  
R = 50 µm

**01-48-33/S**  
Carbide probe tip  
ø 3.5 mm  
33.0 mm, R = 25 µm

**01-48-59.5/S**  
Carbide probe tip  
ø 3.5 mm  
59.5 mm, R = 25 µm

Compatible ruby sphere probes, screw mounted, for double-sided scannings:

on request

Compatible styluses, screw-mounted, and disc-shaped tips, for double-sided scannings:

on request

Compatible probe tips, screw mounted, for double-sided scannings:

**01-48-2x5/S**  
Carbide probe tip  
ø 1 mm  
2 x 5 mm, R = 25 µm

**01-48-2x9/S**  
Carbide probe tip  
ø 1.5 mm  
2 x 9 mm, R = 25 µm

**01-48-2x16.5/S**  
Carbide probe tip  
ø 2.5 mm, R = 25 µm  
2 x 16.5 mm

Sales:

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