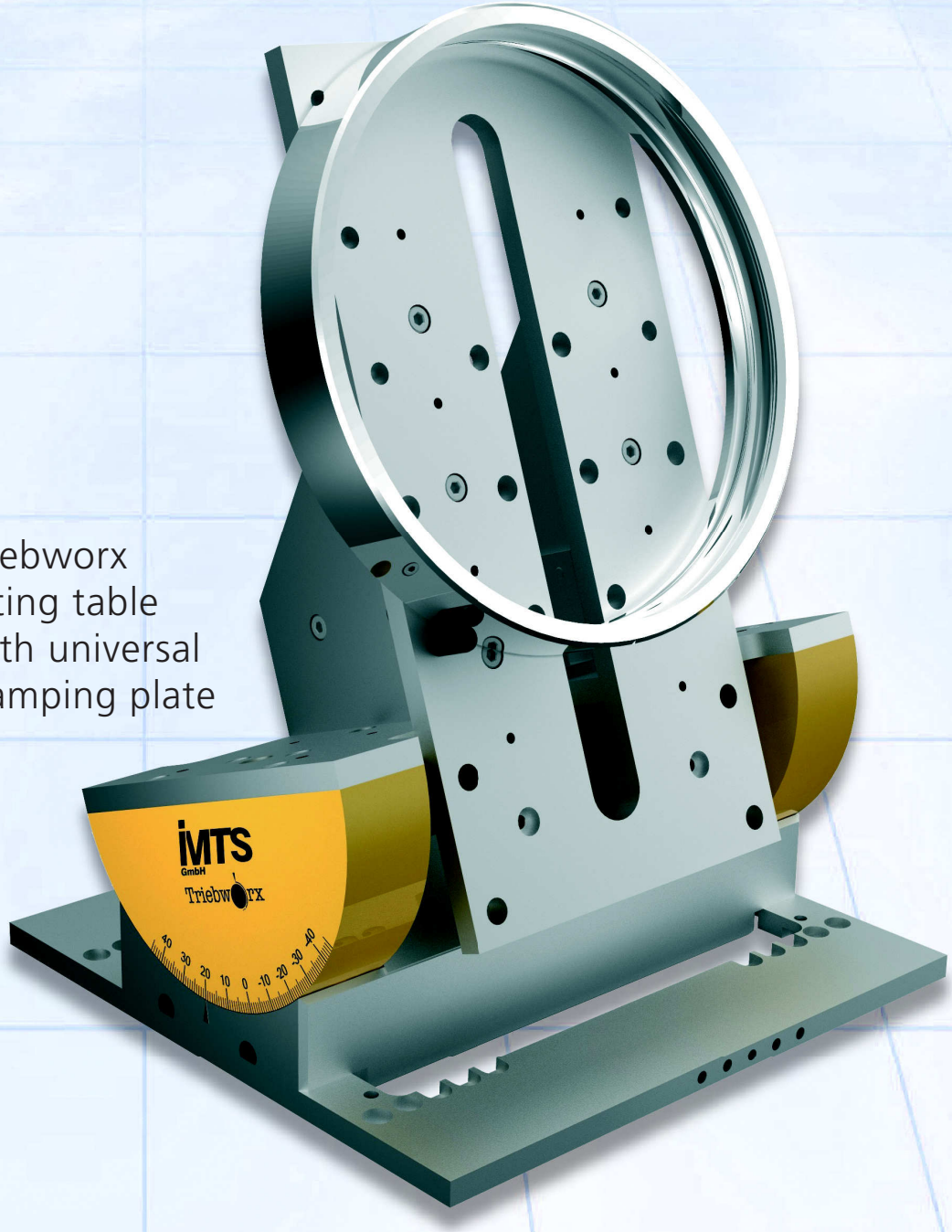
T4

HD high definition metrology

Tilting tables and clamping systems



Triebworx tilting table with universal clamping plate

iMTS GmbH

Triebworx

Sales: IMTS GmbH

Manufacturer: Triebworx GmbH & Co.KG

T4

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

HD

high definition metrology

Tilting tables and clamping systems for contour and roughness measurement

Made by Triebworx

The Triebworx tilting table

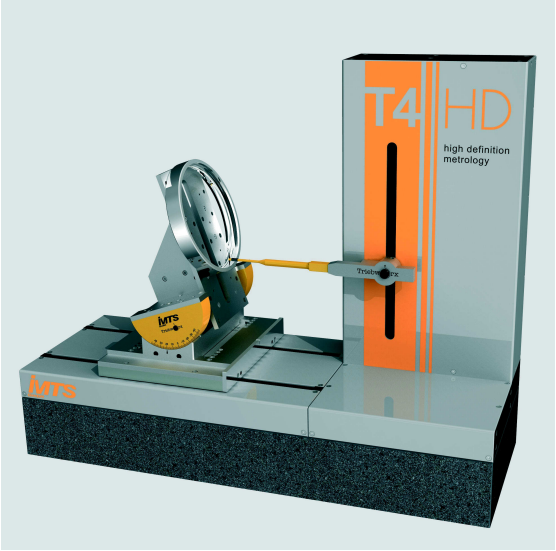
Problem: In order to avoid interfering contours and probe collisions in the contour and roughness measurement technology, test pieces have to be positioned at a given angle for inspecting defined characteristics.

Solution: In the CNC version of T4HD, the Triebworx tilting tables can be used as a fourth axis, providing a perfect tilting position in the running CNC program.

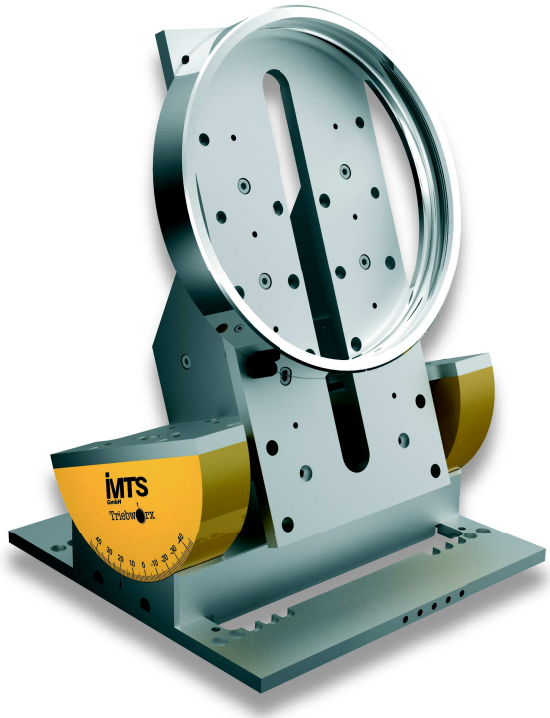
As different measurement positions can be automatically processed, it saves time and money.

The Triebworx tilting table can be adjusted by +/- 45 degrees. It can be installed lengthwise or crosswise. Corresponding pin and screw couplings can be found in several positions. The Triebworx tilting table is available with universal clamping plate or with centre clamping device.

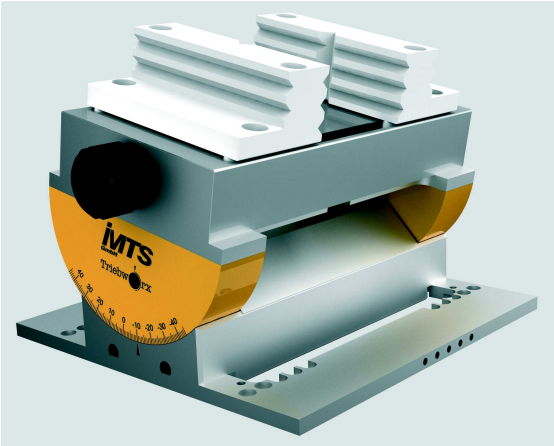
In custom-build version, we can deliver the device corresponding to your application.



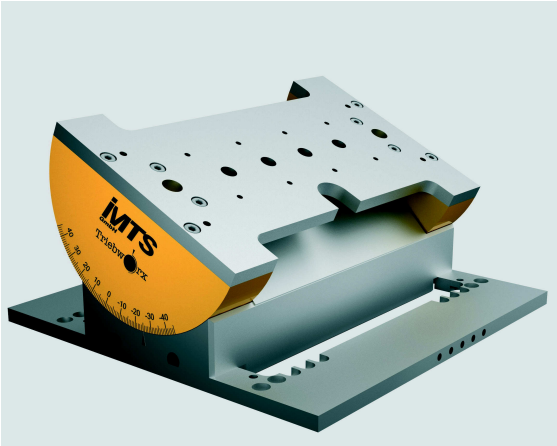
T4HD with Triebworx tilting table and universal clamping plate



Triebworx tilting table with universal clamping plate



Triebworx tilting table with centre clamping device



Triebworx tilting table for customer-specific application

T4

Stainless lightweight class:
Triebworx tilting tables and clamping systems

HD

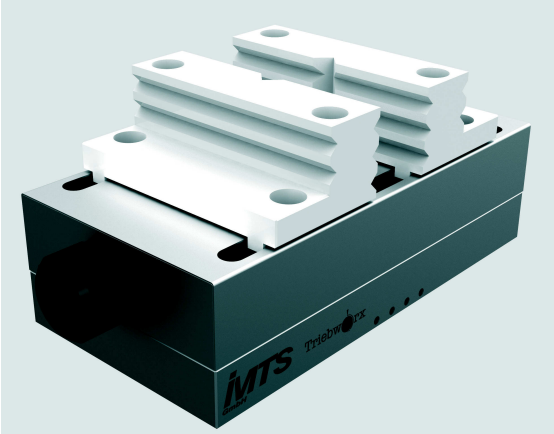
high definition metrology

Tilting tables and clamping systems for contour and roughness measurement

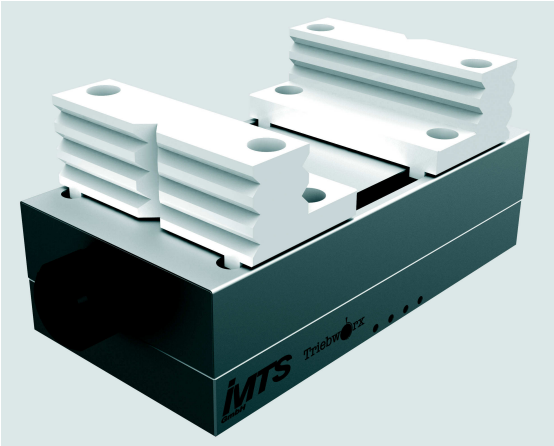
Made by Triebworx

Triebworx centre clamping device

The Triebworx centre clamping device is also available separately and facilitates the work on every contour and roughness measuring device.
Contrary to some machine vices, it is stainless, super lightweight and can be operated without tools. The clamping jaws can be installed for ranges of 0 up to 50 mm or 50 up to 100 mm.
On standard machine vices, the centre shifts according to the width of the test piece, so that the user always has to readjust it manually in the sectional plane of the measuring device.
That not only costs time, money and energy, but is in the case of steel versions often accompanied by unsightly rust spots.



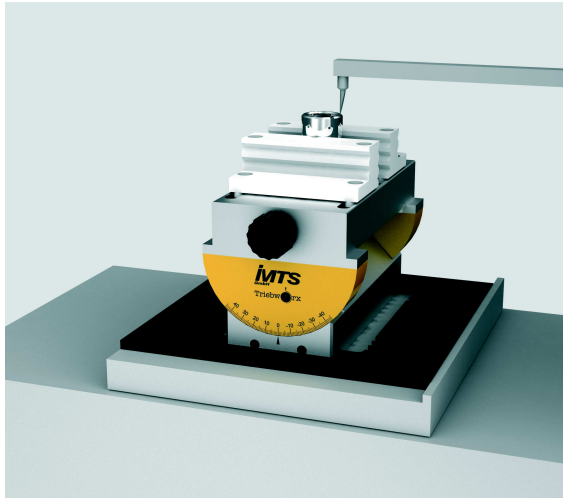
Triebworx centre clamping device, inside jaws



Triebworx centre clamping device, outside jaws

Triebworx manual tilting table

Even older constructions and third-party equipment can be upgraded with the manual version of the Triebworx tilting table.



Contour measuring device with Triebworx tilting table and centre clamping

This will provide you with the opportunity to swivel your work piece easily without using tools or operating rough-running rotary knobs.
Contrary to some machine vices, the Triebworx tilting table is stainless, and a lightweight weighing only 2 kg.

As slide-bearing contour measuring devices require less service, this system can save costs.

Save time, money, and energy with our advanced technology

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T4HD, a global innovation:
Made in Germany by Triebworx · Sales: IMTS GmbH

HD

high definition metrology

Tilting tables and clamping systems for contour and roughness measurement

Made by Triebworx

T4HD CNC Tilting tables

T4HD-SWT-UNI-CNC
T4HD CNC tilting table with universal clamping plate, weight approx. 2.5 kg

T4HD-SWT-ZSP-CNC
T4HD CNC tilting table with centre clamping device, weight approx. 3.5 kg

auf Anfrage
T4HD CNC tilting table for customer-specific application

Common technical data of all Triebworx T4HD CNC tilting tables:

- Adjustment range +/- 45° without superstructure
- Resolution 0.006°
- Repeat accuracy ≤ 0.1°
- Permissible load torque: 5 Nm
- Stainless design, lubricated for life
- 5 x 5 x 3 arrangement capabilities via pin or screw couplings
- Reproducible fast positioning via dowels of 3 mm diameter
- CNC operation as fourth axis on the T4HD is fully integrated in the Triebworx evaluation software. No additional costs for software options
- Dimensions (L x W) 166 x 166 mm

Triebworx tilting tables, manually adjustable

TX-SWT-UNI-MANU
Tilting table, manually adjustable, with universal clamping plate

TX-SWT-ZSP-MANU
Tilting table, manually adjustable, with centre clamping device

on request
Manually adjustable tilting table for customer-specific application

Common technical data of all manually adjustable Triebworx tilting tables:

- Adjustment range +/- 45° without superstructure
- Detent positions at approx. 3° each, self-locking
- Permissible load torque: 5 Nm
- Stainless design, lubricated for life
- 5 x 5 x 3 arrangement capabilities via pin or screw couplings
- Reproducible fast positioning via dowels of 3 mm / 5 mm diameter
- Base plate feasible for various devices: Dimensions (L x W) from 166 x 166 mm up to 200 x 200 mm

Triebworx centre clamping device

T4HD-ZSP166
TX-ZSP200
Centric clamping vice for dimensional measuring technology
- Clamping range dia. 0-50 / 50-100 mm
- Stainless design, lubricated for life, maintenance-free
- Jaw width 86 mm, Jaw height 30 mm, Reversible jaws
- Jaws with six integrated prisms, hard-coated
- Reproducible fast positioning via dowels of 3 mm / 5 mm diameter
- Base plate feasible for various devices: Dimensions (L x W) from 86 x 166 mm up to 200 x 200 mm
- Weight approx. 1.5 kg - 2.0 kg depending on version

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