



TSCHORN®
Mess- und Spannmittel

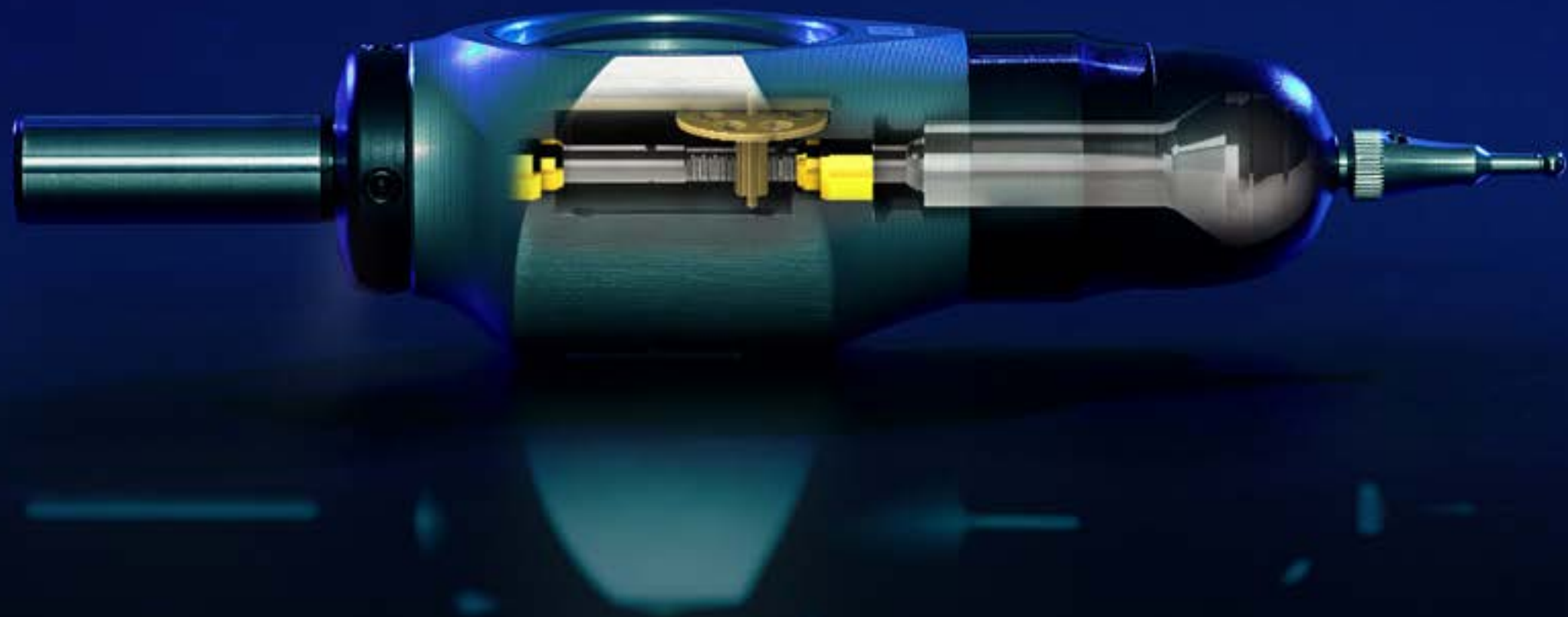


IP67

Cause better.

V2

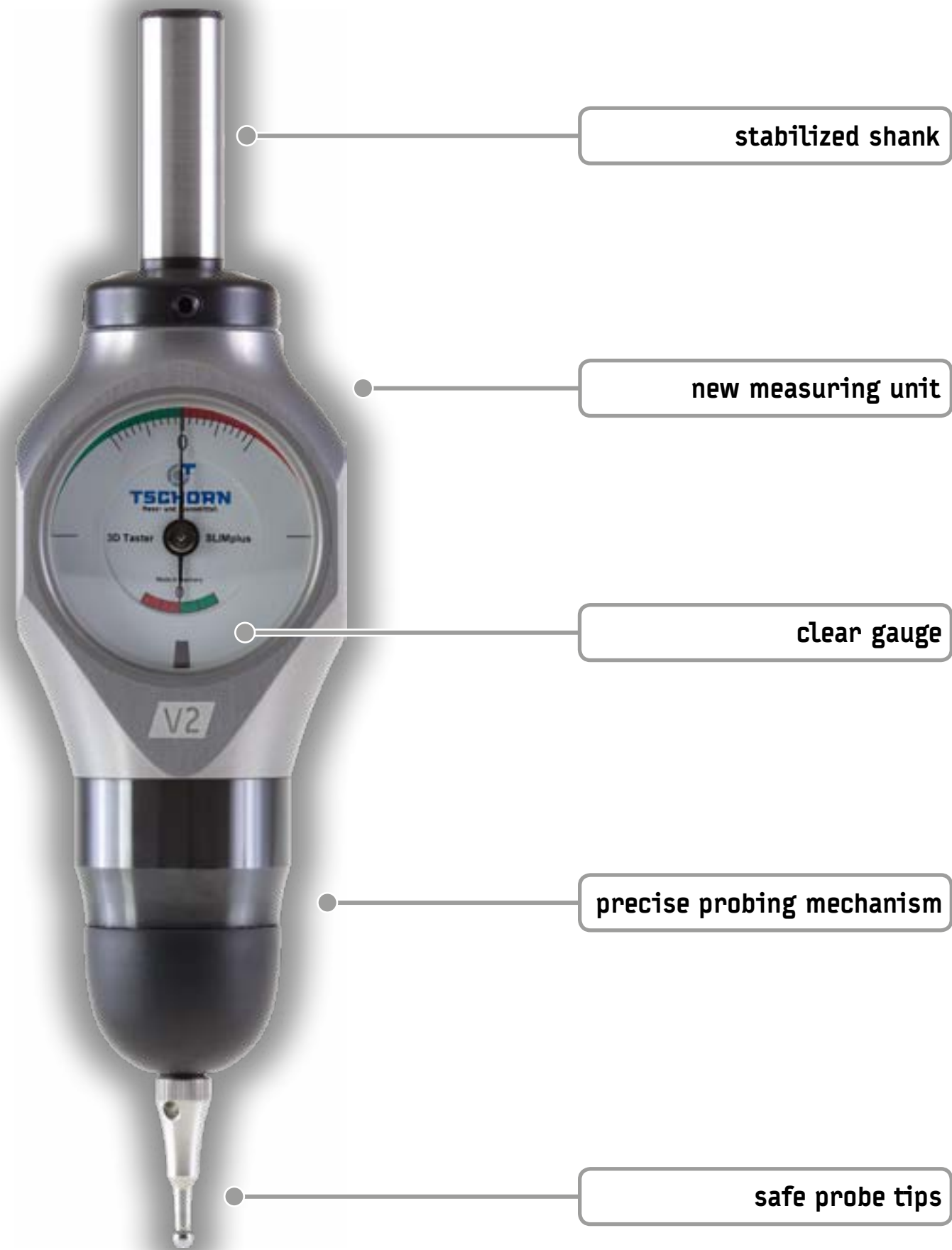
56 component parts, one expert, one laboratory
= highest precision!



precise. pioneering. worldwide.

Cause better. **V2**

V2: what is optimized?



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Our promise:

Every single 3D Tester is manually assembled by our experienced experts in a complex process in our laboratory and carefully checked.

the components



the accuracy



the precision



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Slim
the motivation

Good overview
compared to others

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Unbreakable Protection System

Probe tips
robust & nonmagnetic

Stainless

Carbide

probe Ø3

Limits in X/Y

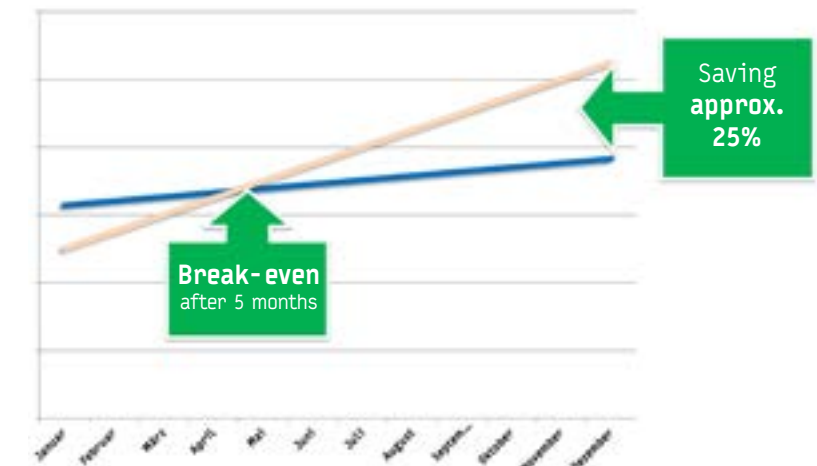
Limit in Z

Your 3D Tester's airbag:

Your 3D Tester has the best possible protection through mechanical end stops within the probing unit. In the event of a crash, they absorb all destructive forces before the measuring unit and prevent damage in the measuring unit of your 3D Tester.



Tschorn probe tips
= less breakage



With our 3D Tester, you only need about 2 probe tips per year.
With conventional 3D Testers, this can be up to 10 pieces per year.

breaking point

safely tightened

**Convince yourself with
our Crash Video!**



Video

<http://downloads.3dtaster.com/3D-Crash.mp4>

Our worldwide service network



- Headquarters
- Service partner
- Authorized service location

Order our Repair service

simple - quick - cheap

- You send to our service partner
 - He exchanges*
 - You receive it back
- and this for a fixed price!

* exchange 3D Testers are already repaired units which are on stock. The accuracy is the same as a new 3D Tester, the optical appearance is used but nearly as good as new.

Accuracy check with factory certificate

We also check your 3D Tester. When doing this, we completely check your 3D Tester and readjust it if necessary. When we send the 3D Tester back, you also receive a new factory certificate.

48 h

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Parallel running in X, Y and Z

Determine parallelism safely and reliably:

The measuring system of your 3D Tester remains stable from the beginning and when changing direction. This is why you can read the indicator movement without any doubt and align your vice (or workpiece) quickly and accurately.



Cause better.



DREHplus

Measure your tools in all axes especially in Y

No other measuring equipment gives you the possibility to measure your tool to the rotating center simply, precisely and directly in your lathe.

This is made possible by our unique probing technology which we have developed specifically for the use in your lathe.

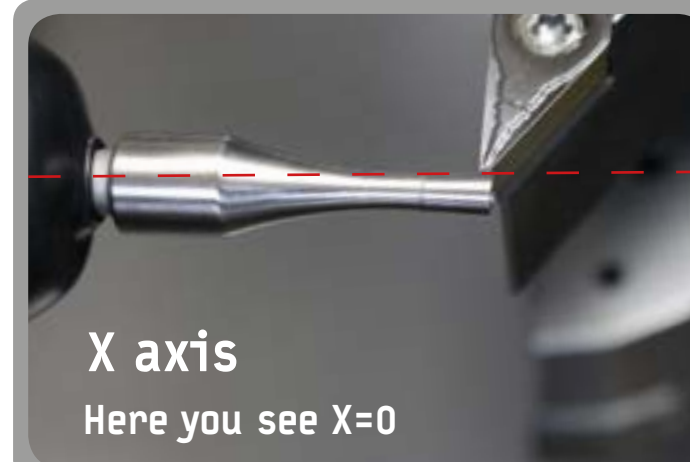
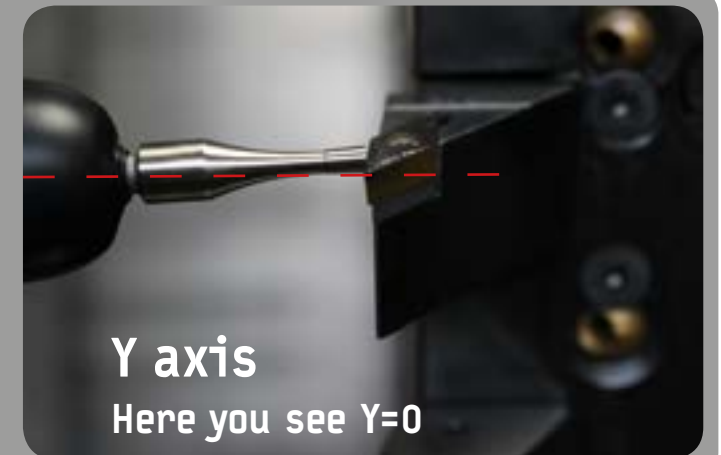
On a ball, it is impossible to precisely measure sharp turning tools. This is why the 3D Tester DREHplus has a patented conical probing corpus. With this, you directly probe the centre of the spindle, both in X axis and in Y axis. No need for further calculations, since $X = 0$ and $Y = 0$.

Innovative probing technology

The conical probing corpus allows you to measure any possible cutting insert with various radii and / or angles at any point of the probing corpus. You probe until both indicators show „0“. In this position, the outline of the conical probing corpus is exactly on the symmetry axis.

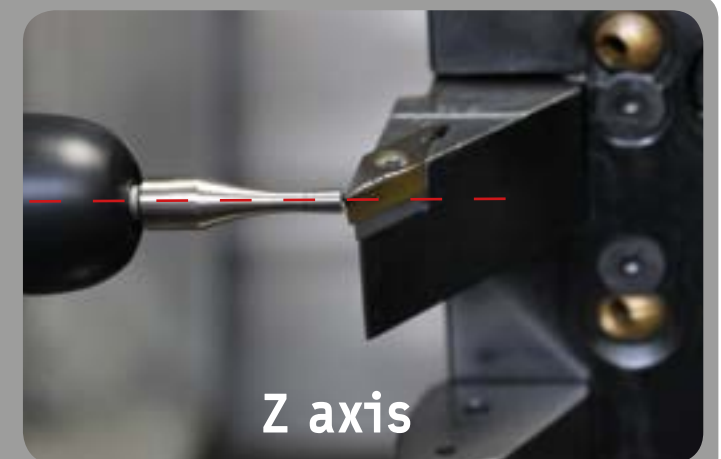
No other measuring equipment gives you the possibility to measure the rotating center so simply, precisely and directly in your lathe.

$Y=0$ corresponds to the rotating center. As a result, you ensure the best possible processing, achieve long lifetime and preserve best surfaces.



Without any further calculation, you measure your tools to the center of the spindle, respectively $X=0$.

Also in Z, you can measure all tools, taking into account the length offset in your machine.



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3D Tester SLIMplus

the slim Plus

with uniquely overview

Delivery contains:
3D Tester, adjusting key, factory certificate

Art.-No.	Description	Shank	Length	Tester
001V2D05I	3D Tester SLIMplus inch	Ø1/2 “	approx. 5,22 “	Ø3 mm (≈ 0,12 “)



3D Tester VIplus

the visual Plus

easier to read, also on big machines -
but nevertheless slim

Delivery contains:
3D Tester, adjusting key, factory certificate

Art.-No.	Description	Shank	Length	Tester
001V2V05I	3D Tester VIplus inch	Ø1/2 “	approx. 5,91 “	Ø3 mm (≈ 0,12 “)



3D-Tester DREHplus

the Plus for your lathe

Tool measurement in all axes
also in the rotating center (Y)

Delivery contains:
3D Tester, adjusting key, factory certificate

Art.-No.	Description	Shank	Length	Tester
001V2T34I	3D Tester DREHplus inch	Ø3/4 “	approx. 5,43 “	Ø3,6/Ø3,2 mm (≈ 0,14 “/0,13 “)



3D Tester - Spare parts



Probe tip standard



Delivery contains:
Probe tip with screw

Probe tip DREHplus



Delivery contains:
Probe tip with screw

Probe tip long



Delivery contains:
Probe tip with screw

Seal



Delivery contains:
Seal



Art.-No.	Description	Shank	Length	Tester
00163D003	Probe tip standard	-	approx. 1,06 “	Ø3 mm (≈ 0,12 “)
00163D006	Probe tip long	-	approx. 2,44 “	Ø6 mm (≈ 0,24 “)
00163T036	Probe tip DREHplus	-	approx. 1,34 “	Ø3,6/Ø3,2 mm (≈ 0,14 “/0,13 “)
00163D099	Seal for 3D Tester	-	-	-
001V2DR5I	Repair service 3D Tester	-	-	-

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Cause better. **V2**

**Precision is measurable.
- Child poverty is not!**



With each sold 3D Tester, we donate one Euro to the project „Kinderreich“!



**KINDERREICH
REMS-MURR**

Eine Initiative des Deutschen Kinderschutzbundes KV Schorndorf/Waldenau e.V.

The idea of „Kinderreich“ (translation: „Child-rich“):

Especially children of one-parent families, children with a migrant background and children with many siblings are often affected by poverty. In many cases, growing up in poverty also has negative consequences for their later life. For example, in addition to the everyday things such as clothing and toys, also memberships in sports clubs or musical education and private lessons are difficult to finance. The consequences are often a low self-esteem of these children and teenagers and related to that, a personal retreat and social demarcation. However, cultural participation in everyday life and constant contact with peers often provides important educational content and social skills that are otherwise withheld from these children and teenagers. Poverty is therefore more than the lack of funds. In addition to the structural and tax requirements, which can only be regulated by the legislature, there is also an obligation on our society to counteract the poverty of children and teenagers.

This is where the initiative „Kinderreich Rems-Murr“ takes its lead. At the societal level, it provides fast and unbureaucratic assistance to needy children and teenagers; according to the principle of neighborly relief.

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