



TSCHORN®
Mess- und Spannmittel

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



**KINDERREICH
REMS-MURR**

Eine Initiative des Deutschen Kinderschutzbunds KV Schorndorf/Waiblingen e.V.

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

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.



TSCHORN®

Mess- und Spannmittel

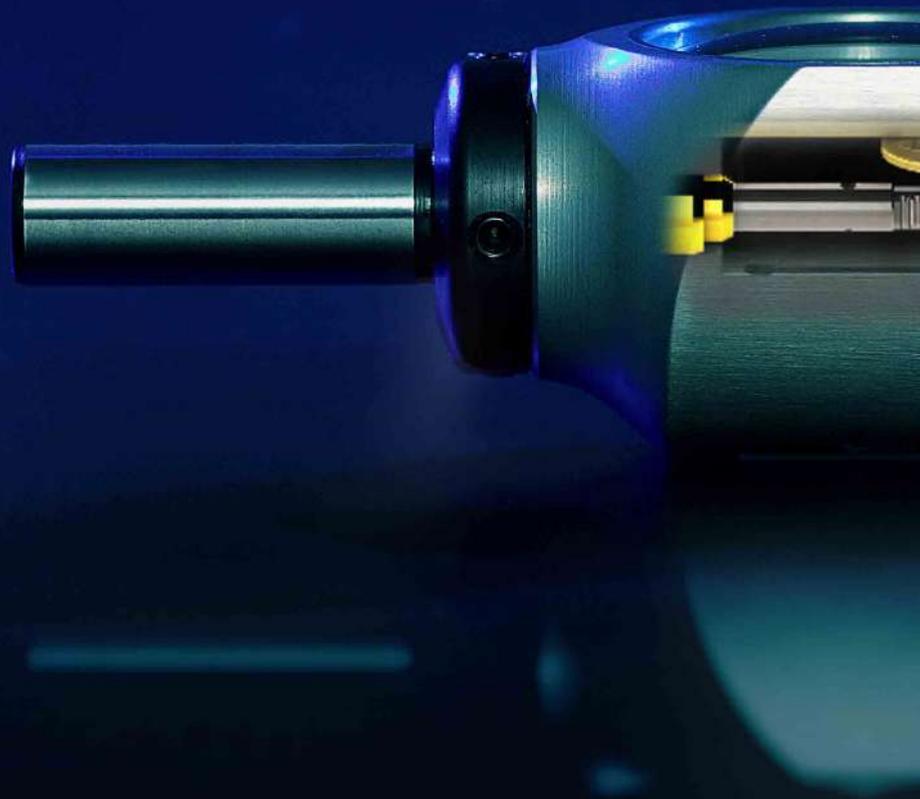


IP67

Cause better.



**56 component parts,
= highest**



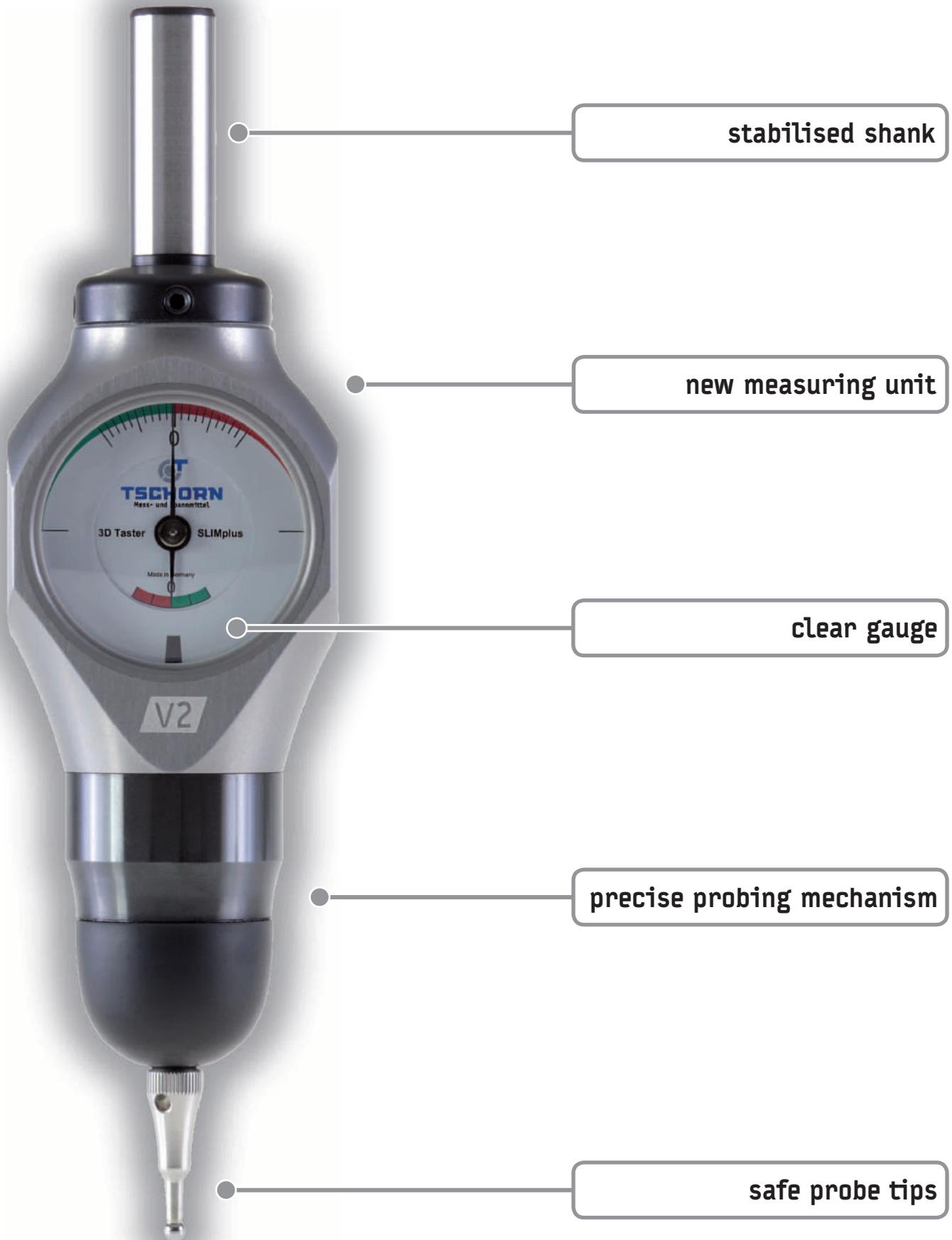
one expert, one laboratory
precision!



Cause better.



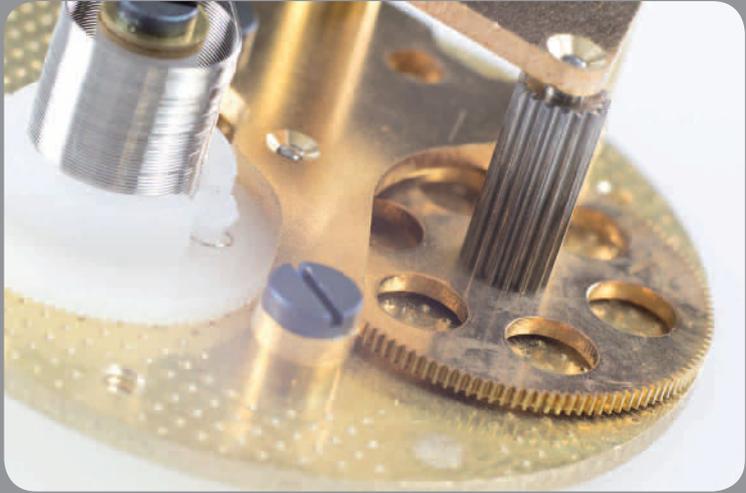
V2: what is optimized?



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



Cause better.



A close-up photograph of a Tschorn 3D Taster SLIMplus V2 probe tip. The probe is silver and black, with a circular gauge in the middle. The gauge has a white face with a black needle and a scale. The text on the gauge includes 'TSCORN', '3D Taster', and 'SLIMplus'. Below the gauge, there is a small white label with 'V2' written on it. The probe tip is in contact with a dark, rectangular metal block. The background is a blurred, light-colored surface.

Slim
the motivation

Good overview
compared to others

Cause better. **V2**

Unbreak
Protection

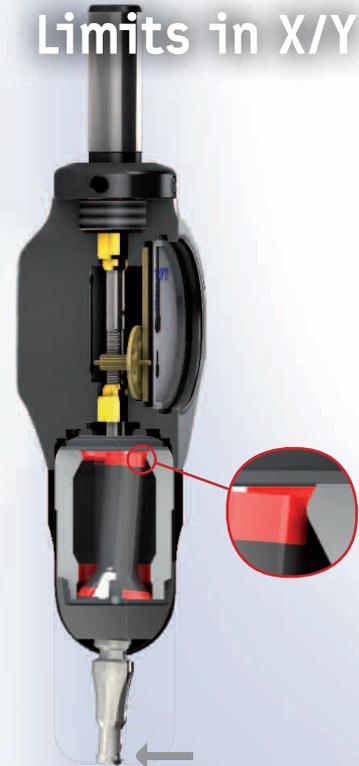
Probe tips
robust & non-magnetic

Stainless

Carbide

probe Ø3

Limits in X/Y



Your 3D Tester's airbag:

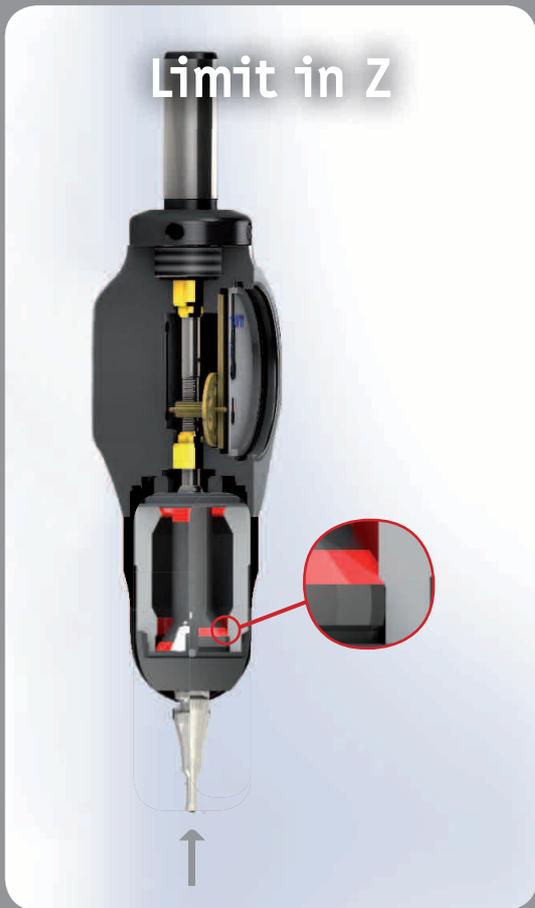
Your 3D Tester has the best possible stops within the probing unit. In the event of destructive forces before the measurement, the measuring unit of your 3D Tester



breaking point

safely tightened

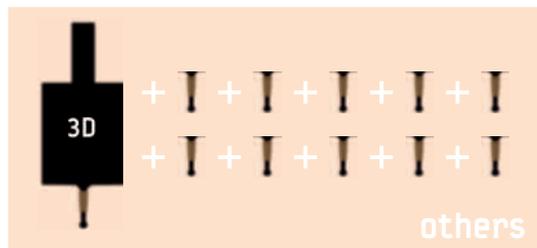
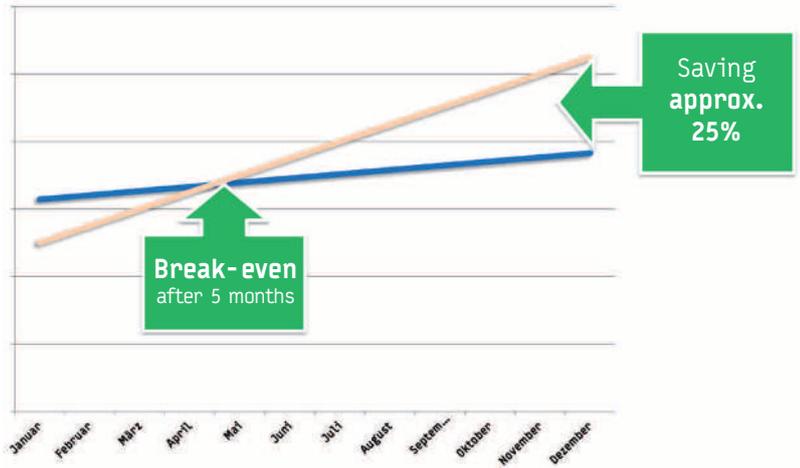
akable n System



protection through mechanical end
the event of a crash, they absorb all
asuring unit and prevent damage in
er.



... they only break
when it matters!



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.

Convince yourself with
our Crash Video!

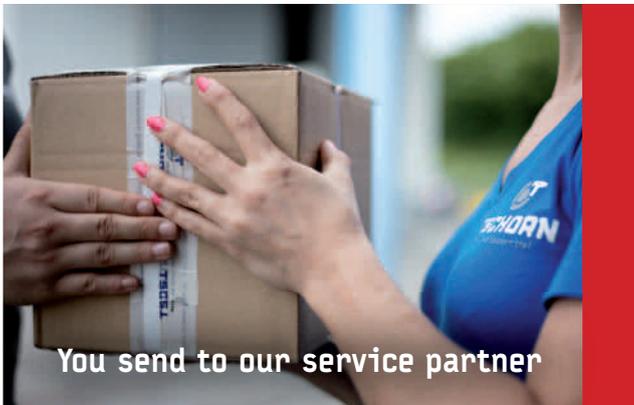


<http://downloads.3dtaster.com/3D-Crash.mp4>

Our worldwide service network



- Headquarters
- Service partner
- Authorised service location

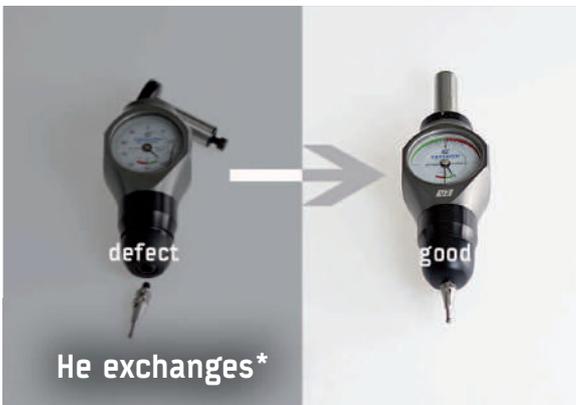


You send to our service partner

Order our Repair service

simple - quick - cheap

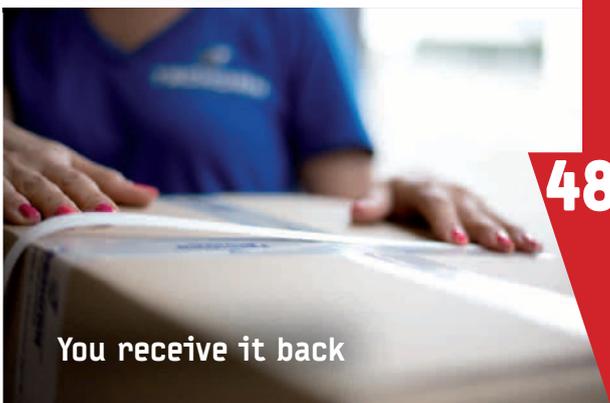
- You send to our service partner
- He exchanges*
- You receive it back
and this for a fixed price!



He exchanges*

* 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



You receive it back

48 h

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.

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.



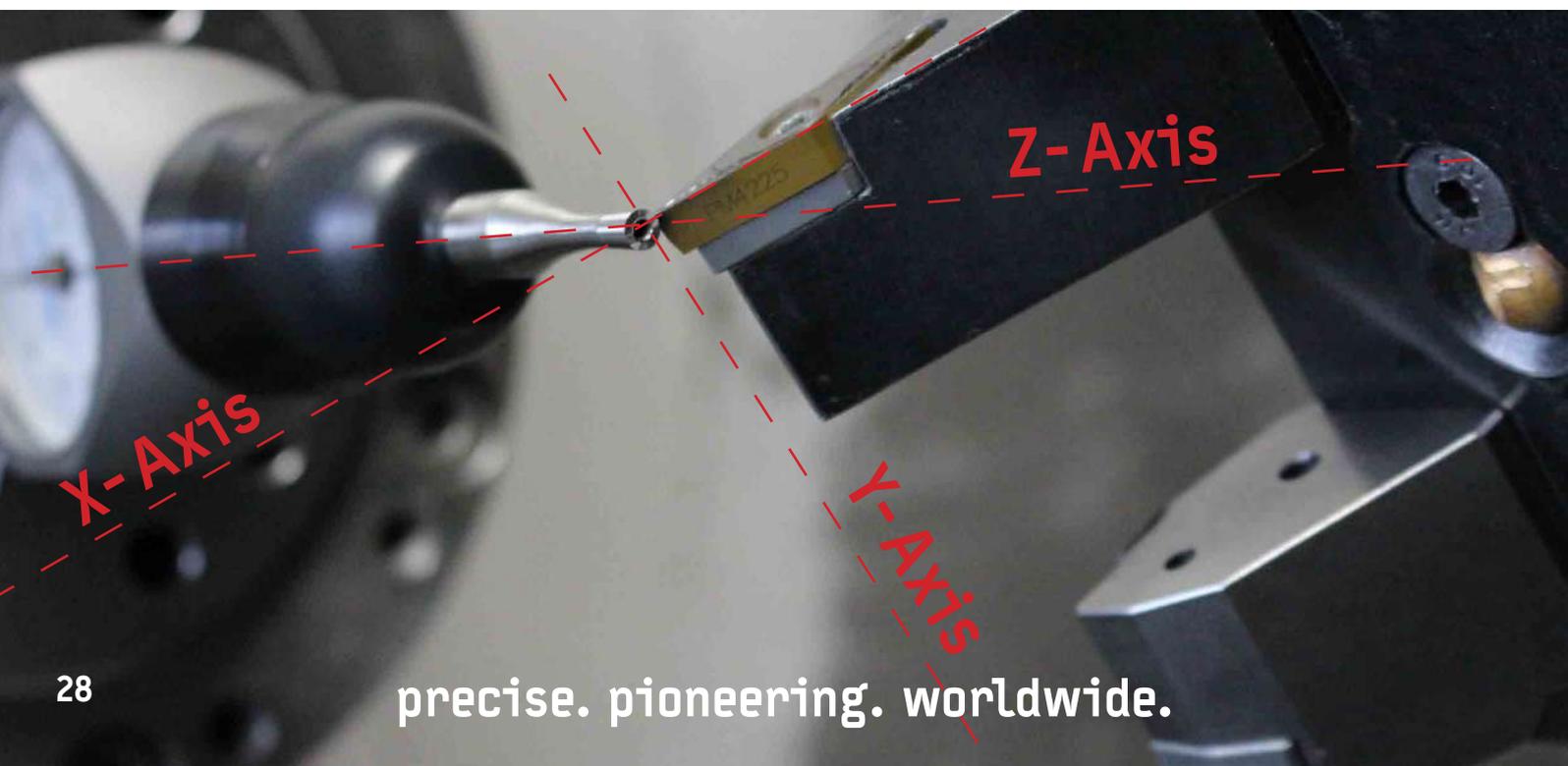
DREHplus

Measure your tools in all axes especially in Y

No other measuring equipment gives you the possibility to measure your tool to the rotating centre 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 $Y = 0$.

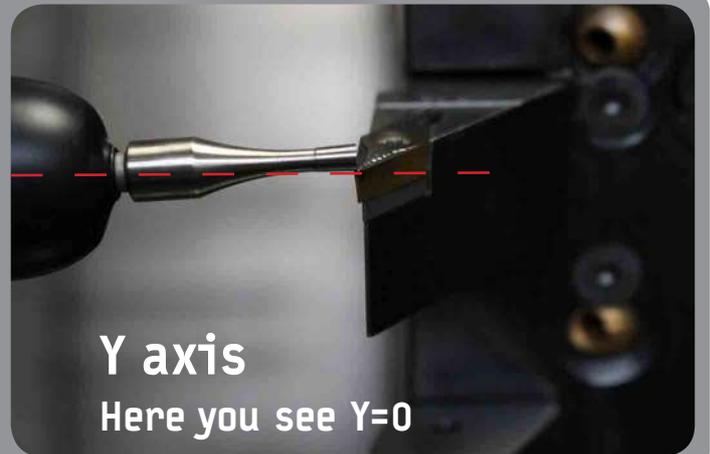


Innovative probing technology

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.

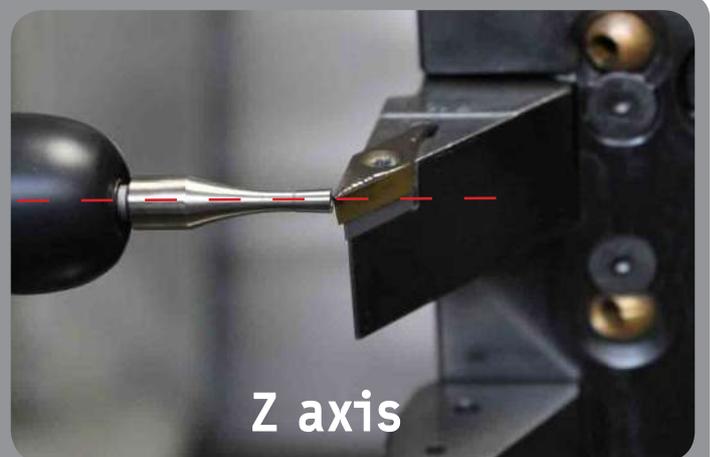
No other measuring equipment gives you the possibility to measure the rotating centre so simply, precisely and directly in your lathe.

$Y=0$ corresponds to the rotating centre. 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 centre of the spindle, respectively $X=0$.

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



3D Tester SLIMplus

the slim Plus

with uniquely overview

Delivery contains:

3D Tester, adjusting key, factory certificate



Art.-No.	Description	Shank	Length	Tester
001V2D008*	3D Tester SLIMplus	Ø8	approx. 132,5	Ø3
001V2D010*	3D Tester SLIMplus	Ø10	approx. 132,5	Ø3
001V2D012	3D Tester SLIMplus	Ø12	approx. 132,5	Ø3

**not deliverable from stock*



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
001V2V008*	3D Tester VIplus	Ø8	approx. 150	Ø3
001V2V010*	3D Tester VIplus	Ø10	approx. 150	Ø3
001V2V012	3D Tester VIplus	Ø12	approx. 150	Ø3

**not deliverable from stock*



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
001V2T020	3D Tester DREHplus	Ø20	approx. 138	Ø3,6/Ø3,2



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



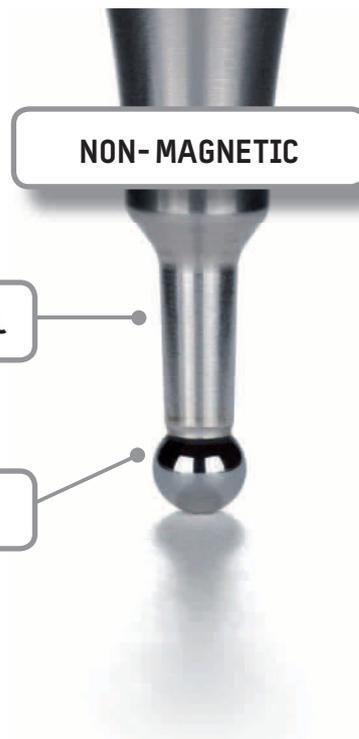
Delivery contains:
Seal



Art.-No.	Description	Shank	Length	Tester
00163D003	Probe tip standard	-	27	Ø3
00163D006	Probe tip long	-	62	Ø6
00163T036	Probe tip DREHplus	-	approx. 34	Ø3,6 / Ø3,2
00163D099	Seal for 3D Tester	-	-	-
001V2D0R0	Repair service 3D Tester	-	-	-



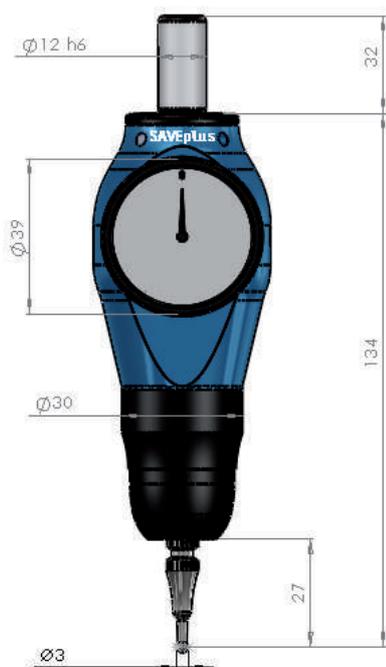
Adjustable scale



NON-MAGNETIC

Stainless steel

Solid carbide



*3D-Tester SAVEplus
Art-No. 00163B012*



*Probe tip long
Art-No. 00163D006*



*Probe tip standard
Art-No. 00163D003*

Art.-No.	Description	Shank	Length	Probe
00163B012	3D-Tester SAVEplus	$\varnothing 12$	approx. 134	$\varnothing 3$
00163D003	Probe tip standard	-	approx. 27	$\varnothing 3$
00163D006	Probe tip long	-	approx. 62	$\varnothing 6$