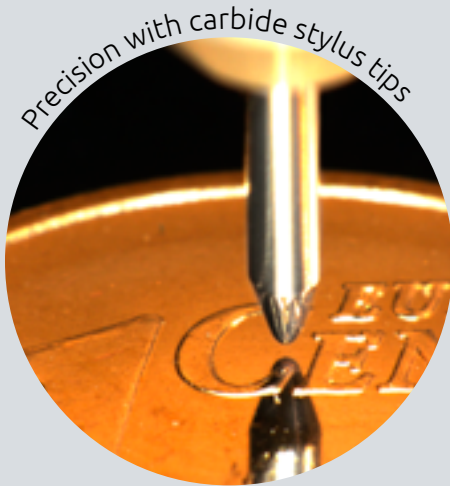


THE PREMIUM HARDNESS MEASURING DEVICE FOR DIN ISO 48

LNP[®] IRHD-M: Standard test for elastomers



**AUTOMATIC
HARDNESS TEST
ON TOUCH
OF A BUTTON**

Hardness measurement has never been so easy and accurate!

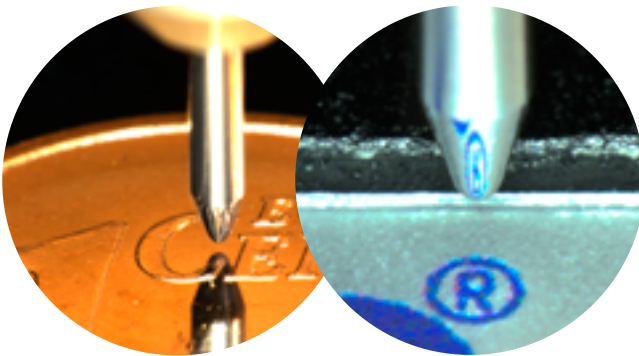
With our low-wear probe tips, you can measure sustainably, precise and safe. Experience the next generation of Elastomer testing devices without manual intervention in the measuring process.

ON: 034332

The premium IRHD-M measuring device

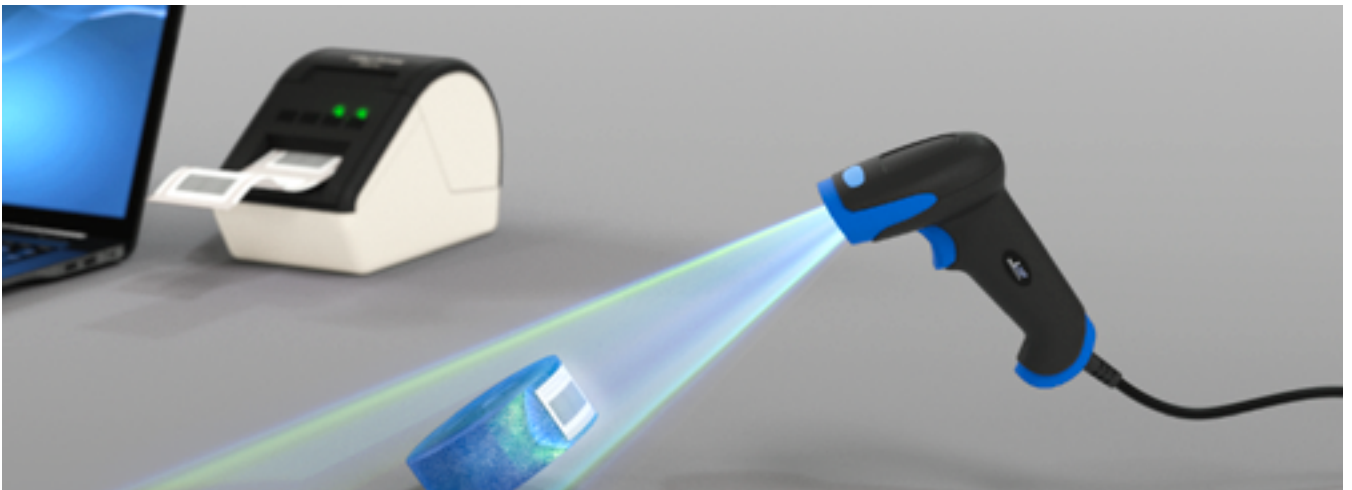
ALL BENEFITS AT A GLANCE:

- Easy to use, little training required.
- Unprecedented accuracy.
- Time savings thanks to a high degree of automation and short set-up times.
- High-precision hardness measuring head and Z-axis.
- High operating convenience thanks to fully automatic.
- Standard tests at the push of a button.
- Future-proof and network-compatible System, suitable for Industry 4.0.
- Software concept designed for networks, regular updates, remote maintenance and Support in the maintenance contract possible. USB-Schnittstelle LAN-Schnittstelle (optional)
- Afterwards expandable with a lot of accessories
- Fast and efficient documentation.
- Data interface to MS Office (optional).



CARBIDE INSTEAD OF STEEL

Every hardness measurement is only as precise as the spherical shape of the test specimen. That is why our stylus tips consist exclusively of Carbide, which is processed to a high gloss. Every The probe tip is tested and certified by LNP.



OPTIONAL SCANNER AND PRINTER

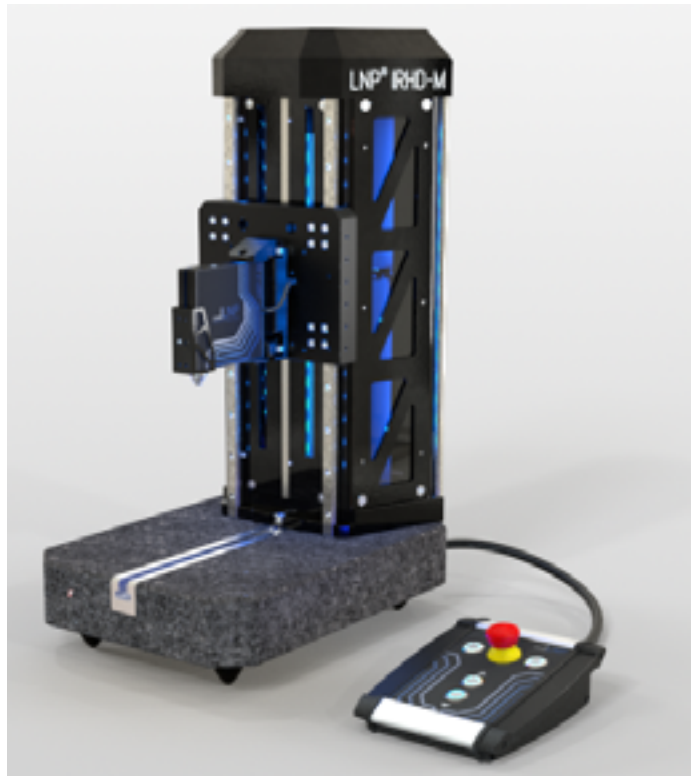
- Direct start of your own test sequences and programs.
- Organize and manage test objects and workpieces.

Scope of delivery

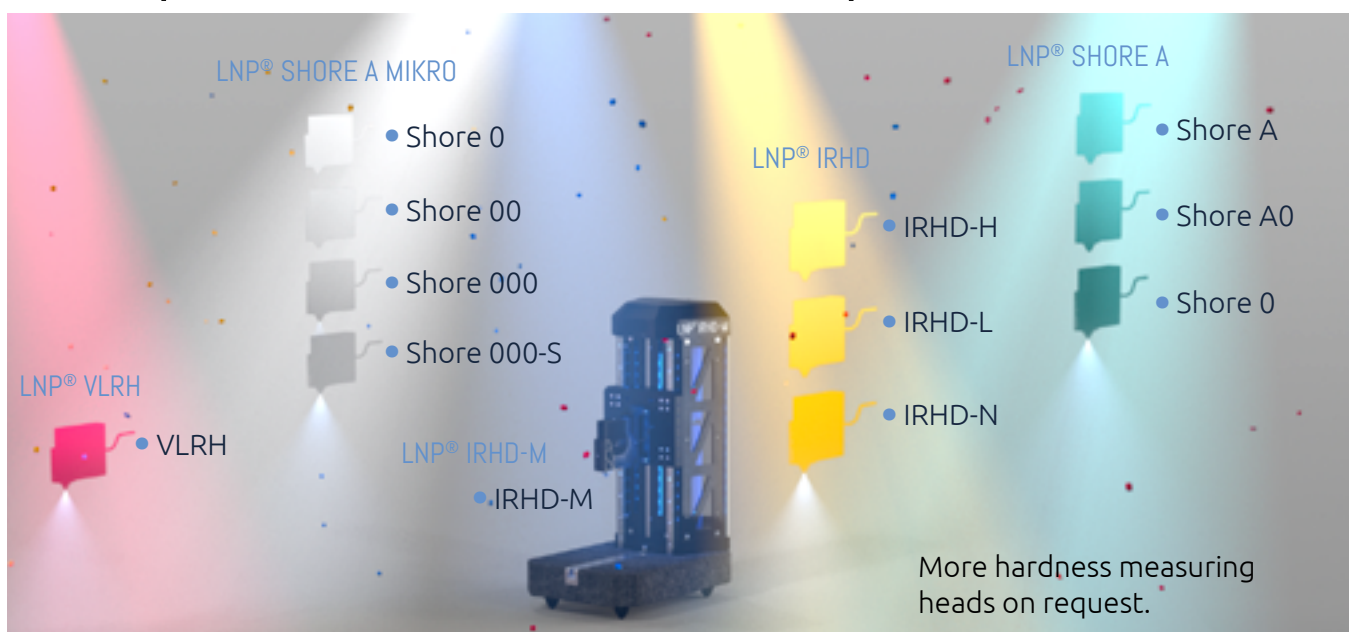
Basic configuration

- | | |
|---|---|
| 1 | LNP® measuring head IRHD-M |
| 2 | Motorized Z-Axis 250 mm travels, integrated control |
| 3 | LNP® Action controller with emergency off function |
| 4 | LNP® Action Controller mit Notausfunktion |
| 5 | High-quality precision granite plate |
| 6 | LNP® Software IRHD-M |
| 7 | Convertible-Notebook Windows |

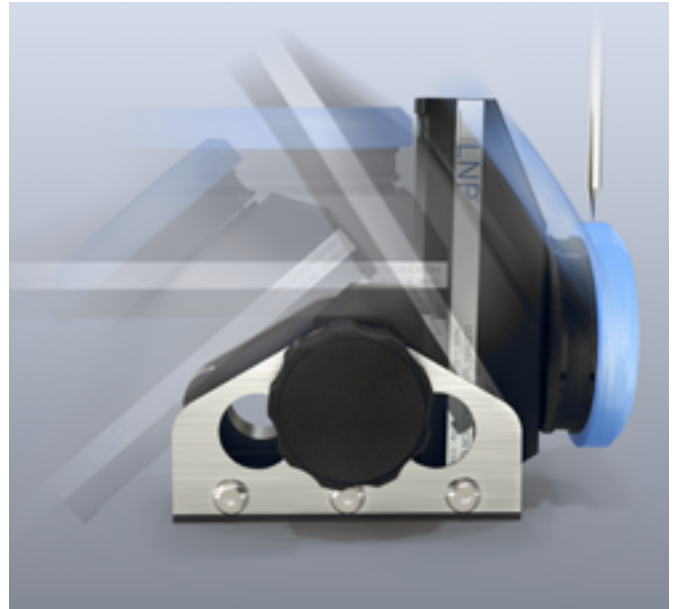
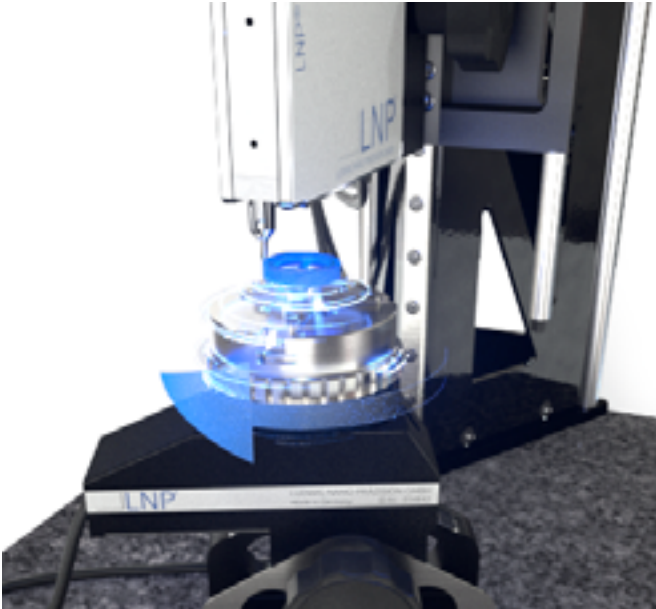
BEST.-NR.: 034332



A very efficient device family

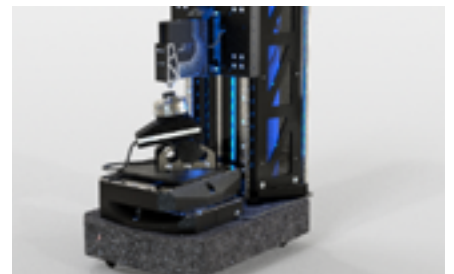
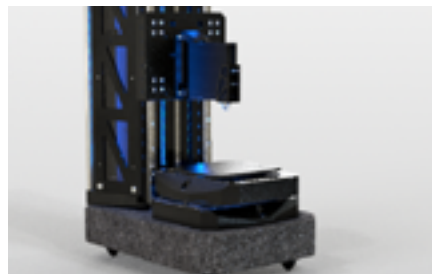
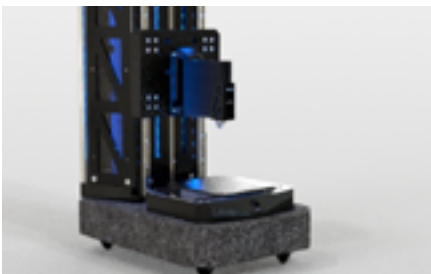
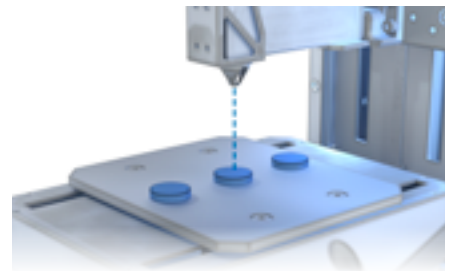
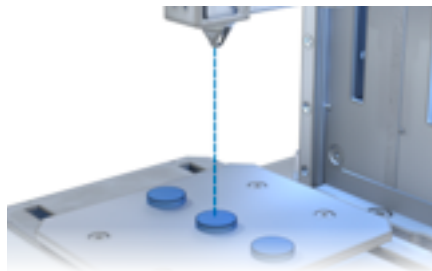


Application examples with equipment



ROTARY TABLE WITH ANGLE ADJUSTMENT FROM 0 ° - 90 °

For rotationally symmetrical components such as O-rings and Simmerrings. The three-jaw chuck enables flexible clamping variants and thus also measurement in the normal direction.



LINEAR AXIS TYPE X

Available individually or stackable as an XY variant with 80 mm travel. Enables fully automatic measurements with several measuring points per test piece or several test pieces.

Process integration in the laboratory or in Production proximity



Industry 4.0

AT THE LAB

Make sure, that Your production is within Tolerance range and also that it stays there.

IN QUALITY ASSURANCE

Quality assurance with the LNP-IRHD-M means full integration in existing Q systems.

IN PRODUCTION

Analyze your production and use the knowledge to your process parameters too steer. Use the large product portfolio of LNP for a full Characterization of your components.

Our software solution: From a quick test to serial inspection



SIMPLE AND EASY TESTMODE

For quick testing in between! Measurement on the push of a button, with a history of the recent measurements and their results.



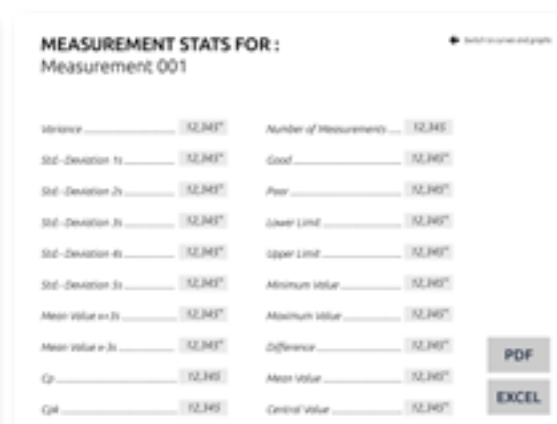
EXTENDED OR SERIAL TEST MODE

Write your own test procedures, set the tolerance limits for each product type and evaluate them. Measure the back relaxation with adjustable times. Further options on request.



STANDARD TEST MODE IRHD-M

IRHD-M measurement at the push of a button and according to the standard. Standard parameters, tolerance limits and other statistical values are clearly displayed and logged. Optional accessories such as scanners and label printers are enabling you to document your measurements even faster and complete the sample management easier.



Use our wide range of equipment:



Most of our equipment allows you to determine the degree of automation of your IRHD-M device yourself. Your desired workstation configuration is not yet included or you need some answers for a particular application? Contact us! We would be happy to provide you with an individual solution.

