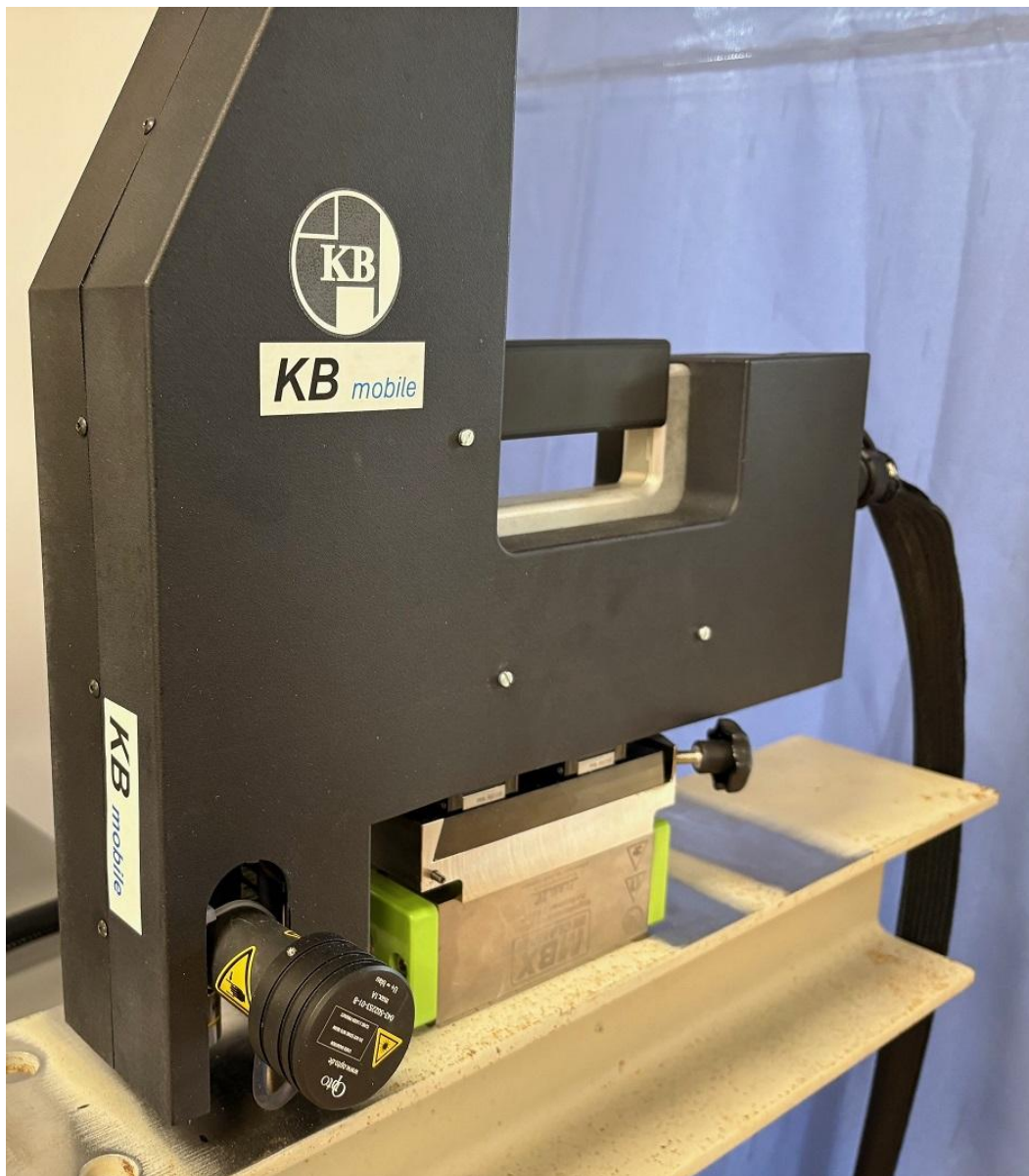


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## **Standardized automatic mobile Hardness Tester**

### **KB mobile**



## Possible areas of application

- **Steel construction**
- **Bridge construction**
- **Inspection of civil engineering structures**
- **Steel beams**
- **Ship construction**
- **Pipelines**
- **Outdoor welding tests**

Please note that you must have a minimum thickness of 10mm of the samples to be tested while using the magnetic clamping block.

Other types of fastening are possible. Please contact us.



Horizontally, perpendicular, diagonal, sloping, head over -> no problem anymore.  
Standardized hardness tests are possible from now on.

With software KB Hardwin XL



- 1 Hardness Tester
- 2 Electronic control unit
- 3 PC / Laptop / Monitor
- 4 Magnet block, activated manually
- 5 Sample

## Technical Data

100% standardized hardness testing acc to Vickers and Brinell

Test load range:	1 – 30 kgf (option 1 – 60 kgf)
Optics:	Digital zoom with 1 objective 3 magnification steps: 1x / 2x and 4x
Indentors:	Vickers 136° Brinell 1,0mm
Testing length:	60mm (max length of a hardness pattern)
Dimensions:	Hardness Tester: L x W x H: ca. 380 x 135 x 360mm (with mounted magnet clamping block)
Weight:	Hardness Testing unit: approx. 6,5 kgs Magnet clamping block: approx. 4,8 kgs
Fastening:	via magnet clamping block for flat samples activated manually via removable hexagon key 90° switching path only  Holding power: - 5 kN on flat, horizontal surfaces - 1 kN on perpendicular, sloping or head-over surfaces <b>(at a minimum thickness of 10mm)</b>  with dovetail joint for the hardness tester unit  Optional fastening types are available upon request
Electronic control unit:	moveable separate housing PLC electronics Removeable cable house to the hardness tester and PC
PC / Laptop:	Laptop included in scope of delivery Operation system Win 11

Software: Control of hardness tester with setting of indentations and automatic evaluation

Software KB HardWinXL (XS)

Including:

- Create and program one-line pattern
- Create coordinate structures
- Full automatic test procedure
- Hardness pattern to measure Chd or Shd
- Welding tests

- Automatic optical readings of indentations
- Auto focus
- Auto light

- Data export
- Report generator

-very easy to use

Operation conditions: recommended temperature range: 10 – 45°C  
Humidity: 10 – 90%  
Designed to be used outdoor. Make sure you have a kind of a rain protection

Power supply: 230V or suitable power generator

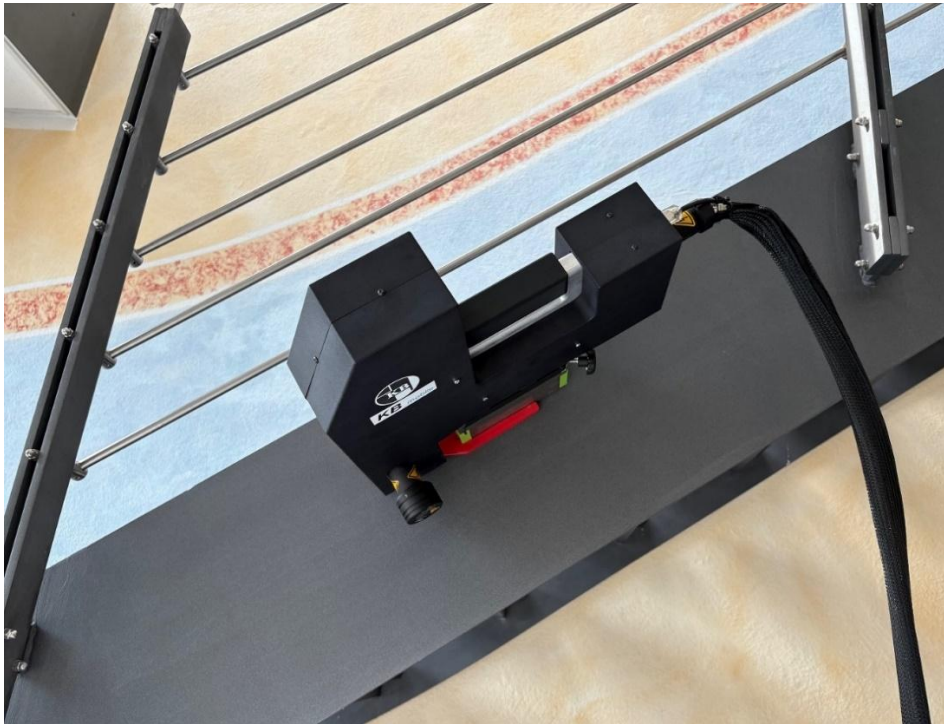
Transport: Standard:  
The unit will be delivered in 3 suitcases:  
1 suitcase for the hardness tester  
1 suitcase for the electronics unit  
1 suitcase for the magnetic clamping block, Laptop and set of cables

Option:  
Trolley for easy transport of all elements to the construction site  
- available from the 4th quarter 2025

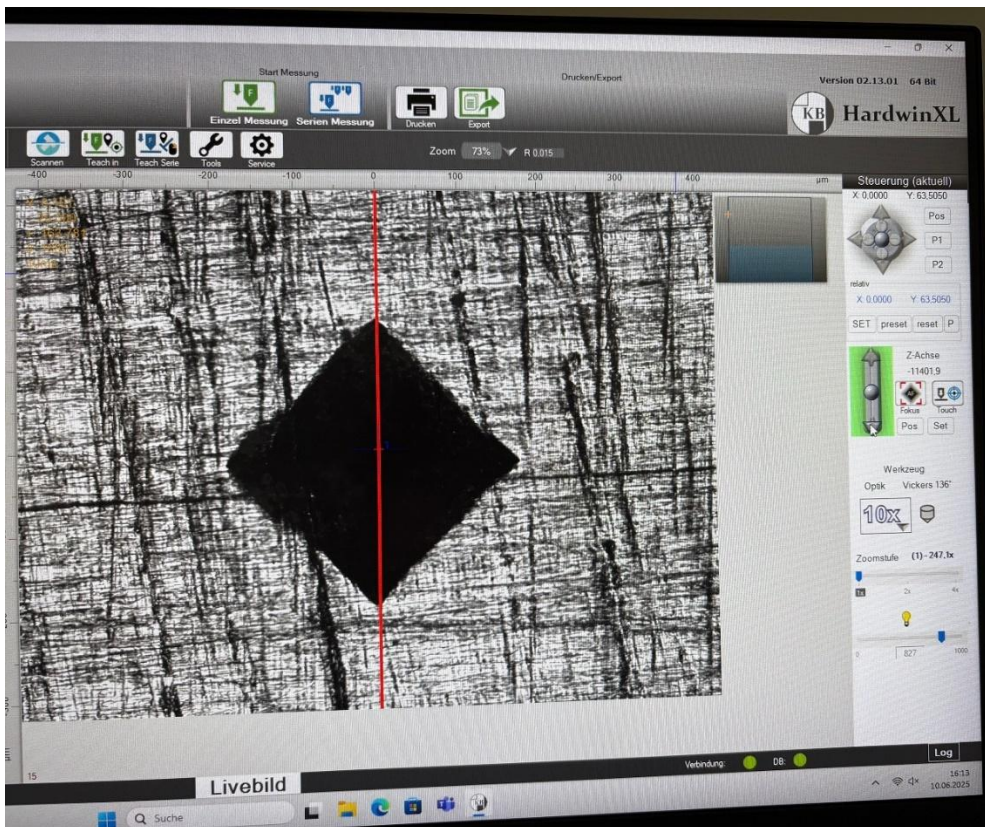


Magnet an Stahltreppe,  
mit Schablone für  
Härteverlauf

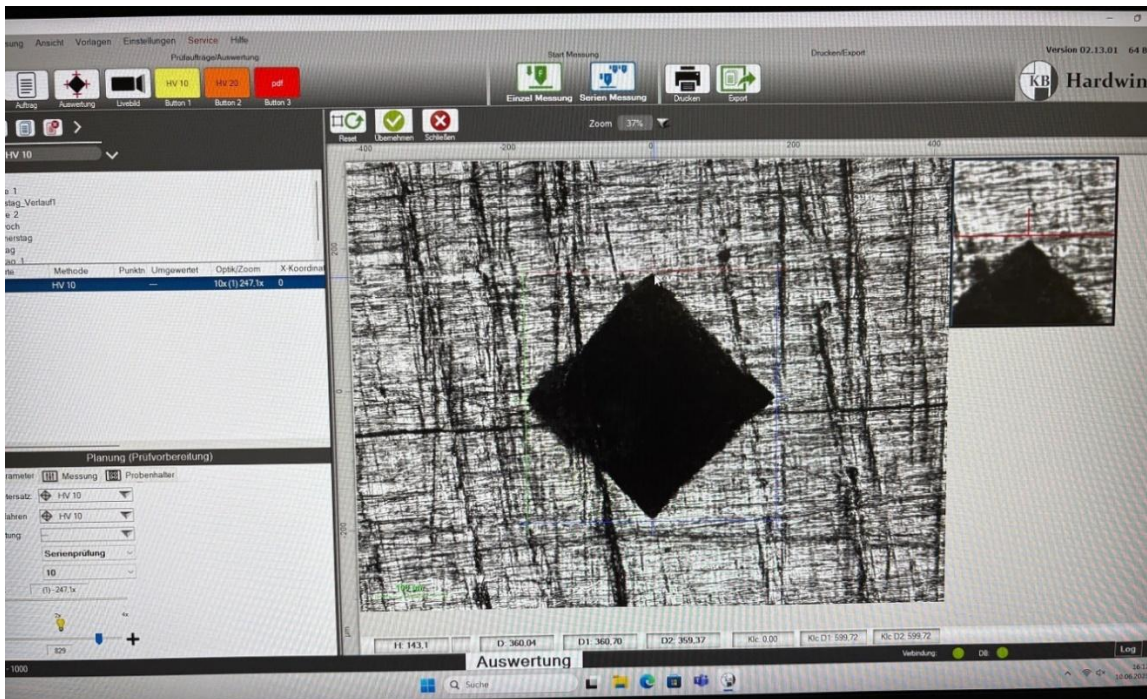
Magnet on steel stairs with template for  
defining hardness pattern



Live image







Automatic reading

Electronics unit



## GENERAL

Delivery time: Sales start: July 1st, 2025  
From this date: approx. 3 months

Scope of delivery:

- Hardness testing unit (1 - 31,25 kgf)
- Digital zoom + objective 10x
- HV pyramide (art-no. 387 - >HV5)
- Test template
  
- Magnet clamping block
  
- Electronics unit
- Set of cables
- Laptop
- Software KB HardWinXL (XS)  
(for mobile units)

Standard set of suitcases: 3 pcs

Warranty: 12 months – with proper operation

Subject of technical changes.

as of June 2025