

## Novelty: Light Load – hardness testing machine Type: **V-Test**



The modern light load hardness testing machine V-Test was particularly developed for the increasing requirements to the documentation obligation and fast, rational examination on work pieces.

The V-Test is already delivered with a video measuring system in its basic version.

The high precision and flexible zoom optics with a basic optics of 20-times and 7 resting steps allows a big figurative representation at the PC-monitor and replaces the time-consuming change of different objectives.

The new concept of the V-Test is singularly:  
The test object is driven on a manual or automatic precision sledge between the loading unit and the measuring system.

Thus, the moved mass is reduced for about 90%.  
Thus, the application of the V-Test is simplified essentially and reduces the wear to a minimum.

The light load hardness testing machine V-Test is characterised by a convincing price performance ratio.

***The V-Test fulfills the standards:***

***EN ISO 6507-1***

***EN ISO 6507-2***



## Characteristics of the equipment of the light-load-hardness testing machine

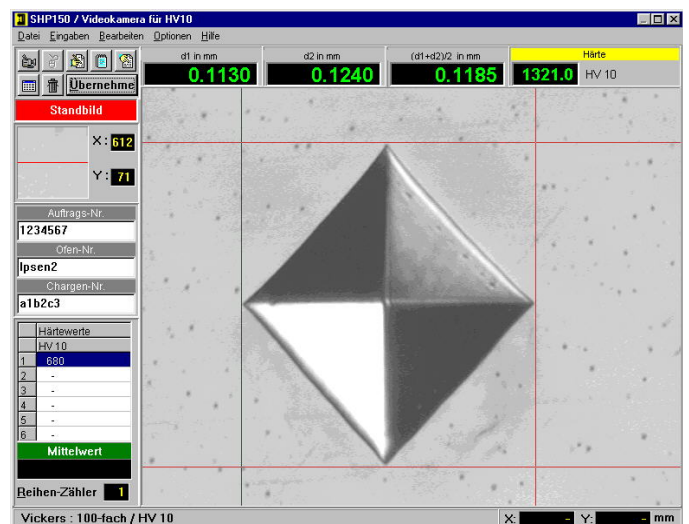
### V-Test:


- The instrument can be delivered with **two different loading devices**:
  - "light load" HV 0,1 + 0,2 + 0,3 + 0,5 + 1 + 2 + 3 + 5 + 10 (kp)    **or / and**
  - "micro" HV 0,01 + 0,02 + 0,050 + 0,1 + 0,2 + 0,3 + 0,5 + 1 + 2 (kp)
- electro motor driven loading device (dead loads) for the automatic lowering and lifting of the weights, with a working period of 10 seconds....
- very comfortable video measuring device SHP-V with video camera 1/2" and grabber card (without or with PC) and two software modules
  - SHP150: statistics, SPC, histograms... **and**
  - SHP-V: Hardness process measurements Eht, Nht, Rht
- very stabile machine body with selectable loading sets "light load" or / and "micro"
- 19"- table casting for the electronic motor control, voltage supply, etc.
- optical unit with 20 – times zoom optics
- Vickers indenter with DKD-calibration certificate
- manual or automatic positioning sledge between the measuring microscope and the loading device with magnetic table
- Technical data:
 

<b>Testing room height (without / with XY-table)</b>	: 195 / 165 mm
<b>extension</b>	: 150 mm
<b>dimensions (H/W/D mm)</b>	: 600 / 330 / 350
<b>weight</b>	: ca. 45 kg

### Options / Service:

- XY-cross table and digital micro-meters
- with PC-connection
- DKD – calibration in our company
- various clamping devices, clamping sticks etc. on demand



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