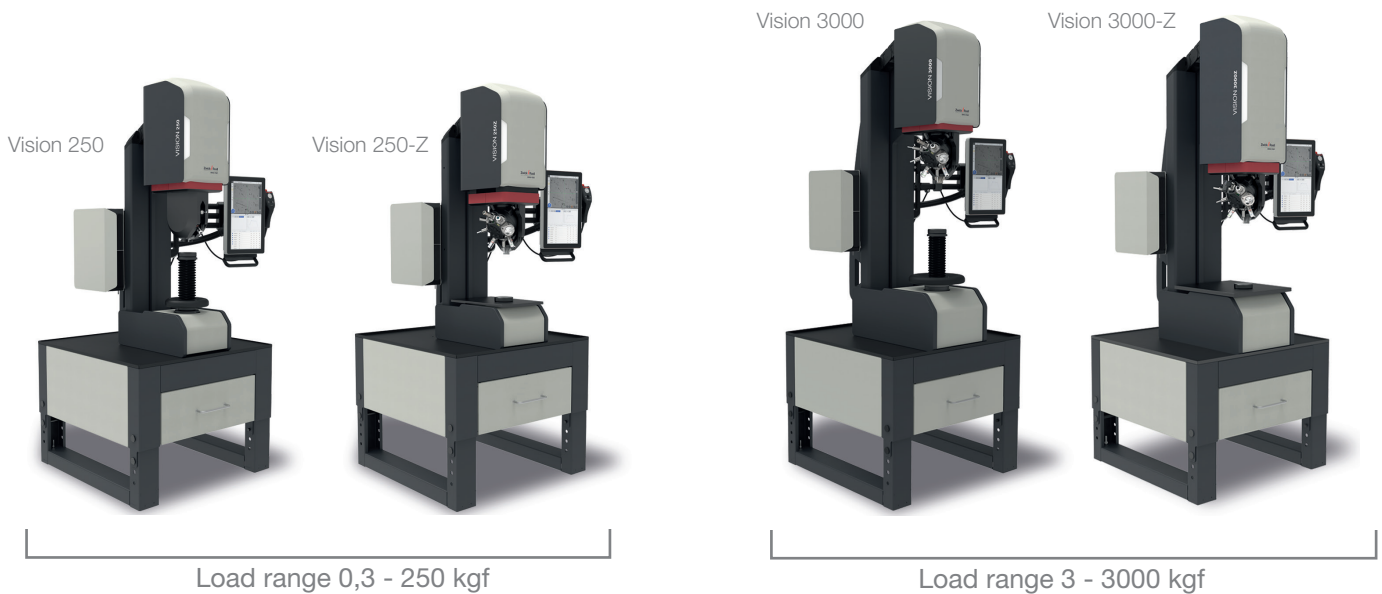


Product information

Hardness testing machine with handwheel or motorized test head in the load range of 0.3 - 250kgf or 3 - 3000 kgf.



Areas of application

The VisionLine offers a selection of hardness testers that vary in size, load range and degree of automation. Specially optimized for industrial use, they are also suitable for laboratory applications. With test load ranges of 0.3-250 kgf and 3-3000 kgf, the VisionLine covers all relevant standard-compliant test methods, including:

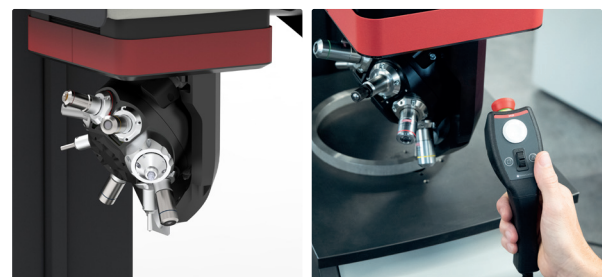
- Brinell ISO 6506, ASTM E10
- Vickers ISO 6507, ASTM E384, ASTM E92
- Rockwell ISO 6508, ASTM E18
- Carbon test according to DIN 51917
- Knoop ISO 4545, ASTM E384, ASTM E92
- Plastics test ISO 2039

Advantages/features

- More efficient testing processes and reduced setup times—thanks to the 8-fold tool changer: The new tool changer enables automatic switching between test methods, making the testing process faster and more efficient while eliminating manual setup times.
- clamping: stable and secure positioning of the test part throughout the entire test process prevents incorrect measurements and component damage, reduces costs and optimizes production times
- Ergonomic operation with versatile control options - The new MotionControl improves user-friendliness and enables precise specimen positioning, resulting in more efficient testing.
- Increased flexibility for changing requirements

with load extension down to 10gf: cost-efficient adaptation to changing test requirements, saving costs and increasing application flexibility.

- User-friendly interface and efficient data management with ecos™ III Touch software: Intuitive operation, structured data management data management, combined with AI-based image evaluation, delivers reliable inspection results and minimizes training requirements.
- Simple maintenance, maximum availability - for maximum productivity: The new modular design of the control system and the accessibility significantly reduce downtime, maximize uptime, reduce unexpected costs and ensure investment security.



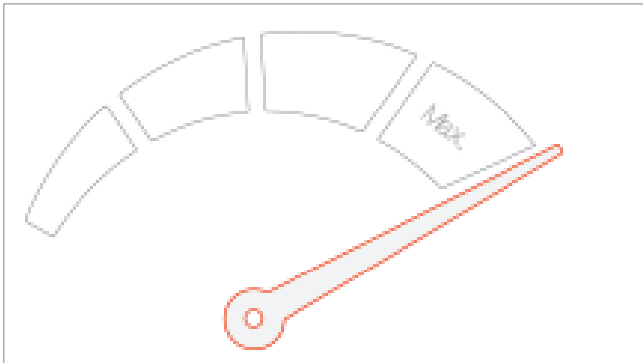
Product information

Hardness testing machine with handwheel or motorized test head in the load range of 0.3 - 250kgf or 3 - 3000 kgf.

ecos™ III – Efficient hardness testing software

Hardness testing software that exceeds standards

The new ecos™ III software sets new standards with its simple operation, clear overview and high efficiency. Developed on the basis of years of experience, ecos III offers a completely new and improved user experience. For semi-automatic hardness testing, the touch version offers a clear display of essential information as well as the option to customize diagrams and lists.



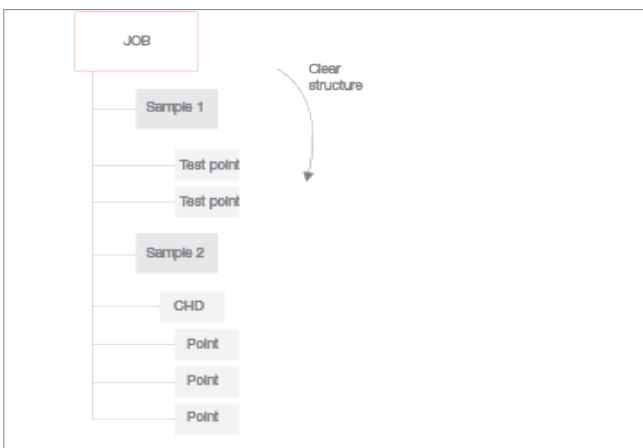
Efficient

With ecos™ III you benefit from a well thought-out operating concept in which all the routines have been optimised. This cuts the operating time by up to 65%, as well as the number of staff required for the test.



Simple

Thanks to an intuitive operating structure with simple rules, quick familiarisation is no problem. Even complex and extensive test patterns can be defined and placed on the sample with just a few clicks.



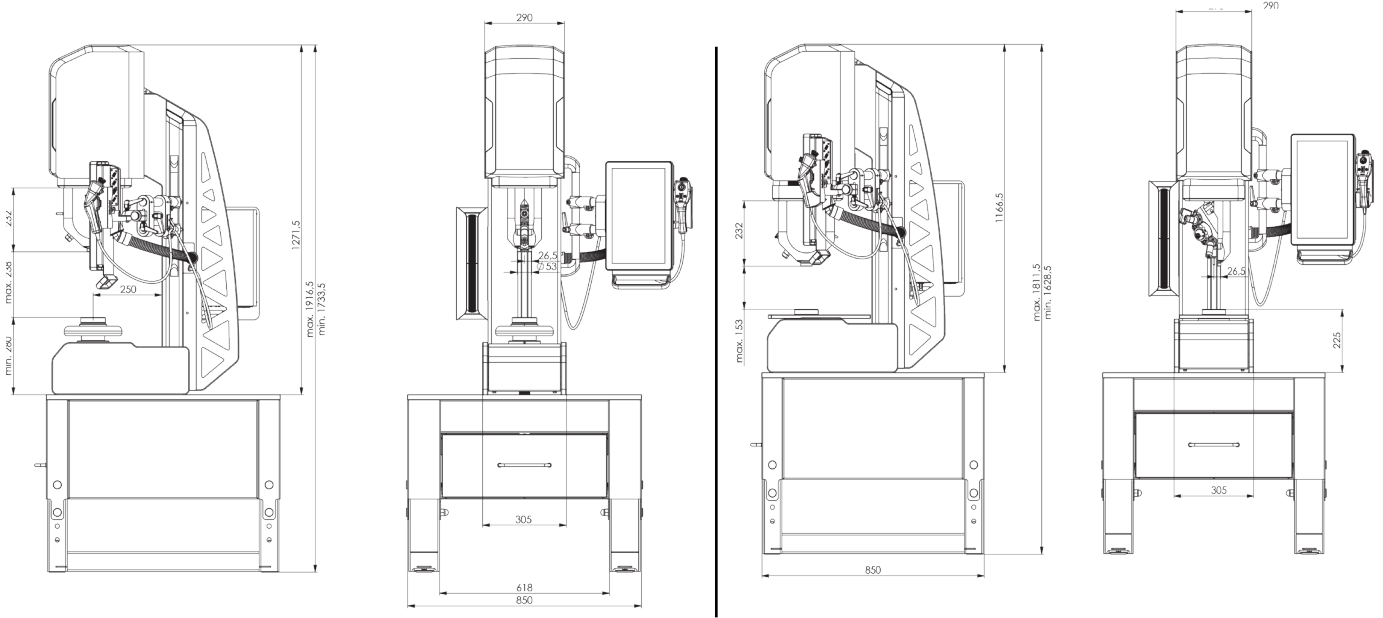
Clear

With ecos™ III, clarity comes first. All test elements are distinctly divided into jobs and specimens. This keeps everything clear, even with large amounts of data, and allows test reports to be created for multiple specimens and trend analyses.

Product information

Hardness testing machine with handwheel or motorized test head in the load range of 0.3 - 250kgf or 3 - 3000 kgf.

Typ	Vision 250	Vision 250-Z
Load range	0,3-250 kgf (2,942 - 2452 N)	0,3-250 kgf (2,942 - 2452 N)
Dimensions (width x height x depth)	300x1270x755	300x1170x755
Weight	240kg	240kg
Max. Test height	240mm	150mm
Electrical connection (adjustable)	110...230 V (PH, N, PE)	110...230 V (PH, N, PE)
Mains frequency	50/60 HZ	50/60 HZ
Power consumption	120 W	120 W
Test table (WxD)	Ø 90mm	Ø 90 mm + 447 x 370 mm
Resolution of evaluation camera	12 Mpix with CMOS sensor	12 Mpix with CMOS sensor
Room temperature (according to ISO/ASTM)	+5°C to +40°C	+5°C to +40°C
Air humidity	max. 70% (non-condensing)	max. 70% (non-condensing)
Max. Workpiece weight	200kg	200kg
Protection class EN 60529	IP 20	IP 20
Integrated memory (SSD)	256GB	256GB
Max. Z-axis speed	-	up to 25 mm/s



Accessories

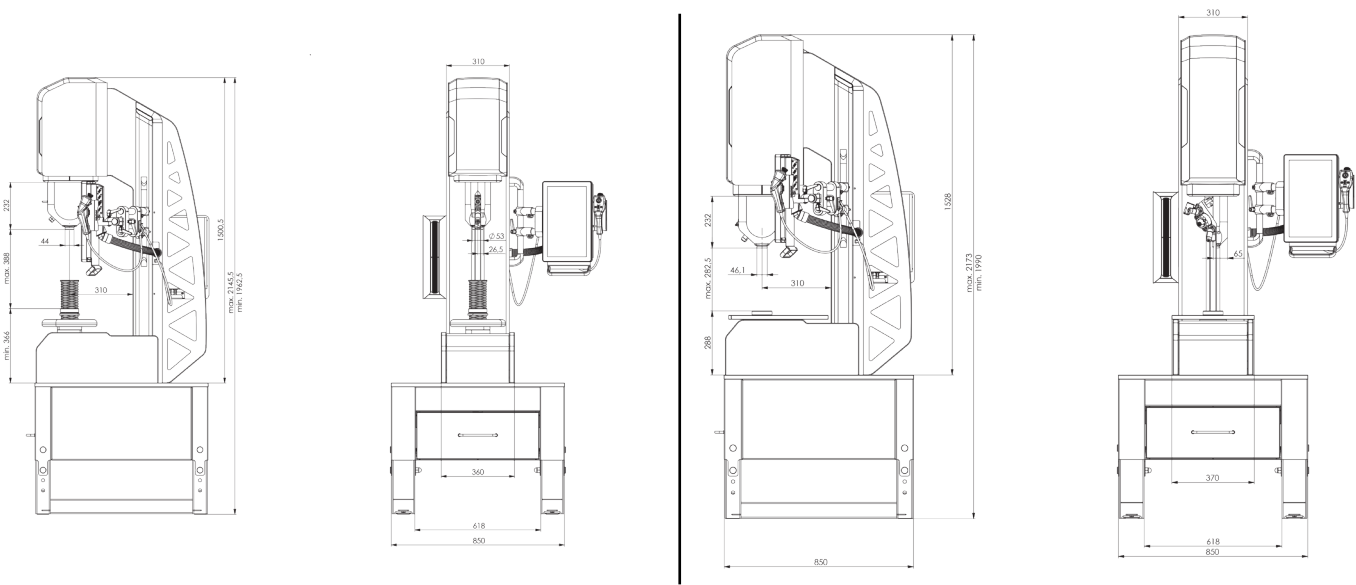
Description

- Base for stability and ergonomics
- Laser for easier test point positioning
- Hand scanner for scanning QR codes
- Indenter
- Brinell SmartLight
- Indenter adapter from 10g

Product information

Hardness testing machine with handwheel or motorized test head in the load range of 0.3 - 250kgf or 3 - 3000 kgf.

Typ	Vision 3000	Vision 3000-Z
Load range	3-3000 kgf (29,42-29420 N)	3-3000 kgf (29,42-29420 N)
Dimensions (width x height x depth)	360x1500x840	370x1545x840
Weight	420 kg	425 kg
Max. Test height	390mm	300mm
Electrical connection (adjustable)	110...230 V (PH, N, PE)	110...230 V (PH, N, PE)
Mains frequency	50/60 HZ	50/60 HZ
Power consumption	120 W	120 W
Test table (WxD)	Ø 90 mm + 447 x 370 mm	Ø 90 mm + 447 x 370 mm
Resolution evaluation camera	12 Mpix with CMOS sensor	12 Mpix with CMOS sensor
Room temperature (according to ISO/ASTM)	+5°C to +40°C	+5°C to +40°C
Air humidity	max. 70% (non-condensing)	max. 70% (non-condensing)
Max. Workpiece weight	200kg	200kg
Protection class EN 60529	IP 20	IP 20
Integrated memory (SSD)	256GB	256GB
Max. Z-axis speed	-	up to 25 mm/s



Accessories

Description
Base for stability and ergonomics
Laser for easier test point positioning
Hand scanner for scanning QR codes
Indenter
Brinell SmartLight
Indenter adapter from 10g