

**Vickers hardness testing machine FALCON, Type: 503G2**

Order data

Order number	495084 503G2
GTIN	2050002074040
Item class	49G

Description**Version:**

Machine control and test procedure can be easily operated using the industrial 24-inch touch screen. The test procedure is performed automatically. The hardness values are determined using the high-resolution HD camera. The 6-fold revolver head permits the mounting of up to four lenses and two penetration heads (2nd. position optional). The motorised height adjustment of the Z-axis permits ultra-fast auto-focus. The modular machine concept permits subsequent expansion to a fully automatic system at any time. iSMART manual XY table with travel 50 × 50 mm, UN-TESTPAT/02 software for free sample configuration with UN-MCHD for hardness progression measurements, lenses of 10x and 50x magnification.

Standard:

EN ISO 6507, EN ISO 6506, ISO 4545 und ASTM E384,E92.

Supplied with:

Ready-to-use equipment: diamond pyramid 136° including ASTM and ISO test certificate and transport packaging.

Note:

Delivery charged separately. ISO/ASTM or DAkkS calibration can optionally be performed on site. Depending on the test force and expected hardness, further lenses may be required. Further accessories such as motorised XY tables available on request.

Technical description

Main load test force	0.01 - 10 kg
Width	351 mm
Display	27-inch industrial touch screen
Height	775 mm
Power supply	220-240 V / 50 Hz
Interface	USB
Scale divisions	0.1 HV
Weight	101 kg
Operation	motorised
Test procedure	Micro/Macro Vickers / Knoop
Length	528 mm
Power supply	Mains-powered
Inspection room height	180 mm
Data format	XML, CSV, certified for Q-DAS (optional)
Inspection room depth	170 mm
System	Embedded control panel with an i7 processor, mSSD 120 GB, MS Windows® 10 based
Camera resolution	11000000 px
integral electronic measuring microscope	yes
Magnification up to (times)	50
Calibration	Price on request
Type of product	Hardness tester