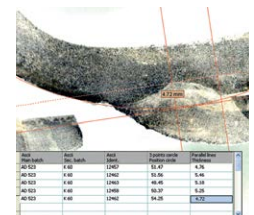




TRINOCULAR STEREO ZOOM MICROSCOPE

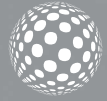
PST 901-S







PST 901-S



PST 901-S is Greenough type Stereozoom microscope. The V-shape optical path of Greenough allows us to design a very compact and a slim unit, highly versatile and appreciated for the 3D viewing. Samples with significant depth can be quickly inspected. PST 901-S has Trinocular head which is 45° inclined to ensure comfortable posture to the user even after several hours of operation.

PST 901-S has 0.67x–4.5x zoom range and 6.72:1 zoom ratio, being purposely designed for routine and advanced inspections. This zoom ratio enables most samples to be observed at the appropriate magnifications. When combined with proper accessories (2x additional lens and 20x eyepieces), PST 901-S delivers excellent image quality up to 180x.

SPECIFICATIONS

Optical System: Greenough

Head: Trinocular 45° inclined, 360° rotatable

Stand: Large stand, pillar type, coaxial macro & micro focusing knobs

Eyeieces: WF10x/22mm, high-point

Objective: Zoom 0,67x ...4,5x

Working Distance: 100 mm.

Photo/Video Beam Splitter: 1 port

Illumination: Ring light LED illuminator, with continuous and external brightness control. Complete with dust cover

Automatic voltage sensing, 100/240 Vac, 50/60 Hz.



Pillar type large plain stand



Coarse and fine focusing knobs

FEATURES & BENEFITS

Large, Pillar Type Stand

Modern, large plain stand. It comes complete of head holder and coaxial coarse and fine focusing system. Extremely stable, ultra-slim and modern stand to be matched with a focusing system and stereozoom head. The 25 mm height makes this stand very effective in preventing fatigue during operation, increasing the ergonomics and the performance as a result. Achieve 360° rotation and smooth movement with no limits, as the mechanism can be tilted from right to left, backward to forward. Base size Width: 210 mm, Length: 270 mm, Thickness: 25 mm, Pillar diameter: 32 mm, Pillar height: 275 mm



Good Optical Performance With Plan Achromatic High Quality Objectives And Parfocal Achromatic Zoom

PST 901-S has 1x Plan Achromatic standard objective along with WF10x/24 mm eyepiece. 0.3x, 0.5x, 2x Plan Achromatic objectives and WF15x/16 mm, WF20x/12 mm eyepieces are optionally available to view specimen with different magnifications. Parfocal Achromatic Zoom with 6,72:1 zoom factor provides 0.67-4.5 stereo zoom.

Eyepiece	10 x	15 x	20 x			
Field Number (mm)	22	16	12			
Objective	Total Magnification	Field of view (mm)	Total Magnification	Field of view (mm)	Total Magnification	Field of view (mm)
0.3x 241mm	2.01x-13.5x	109.45-16.30	79.60-11.85	62.50-7.81	4.02x-27x	59.70-8.89
0.5x 160mm	3.35x-22.5x	65.67-9.78	47.76-7.11	37.50-4.69	6.7x-45x	35.82-5.33
1x 100mm	6.7x-45x	32.84-4.89	23.88-3.56	18.75-2.34	13.4x-90x	17.91-2.67
2x 26mm	13.4x-90.0x	16.42-2.44	11.94-1.78	9.38-1.17	26.8x-180x	8.96-1.33

Good Eyesight For Good Image Analysis

WF10x/24 standard eyepiece for large specimen view with high working distance. Comfortable rubber cup to get rid of annoying external light. High eye-point for glasses wearers, dioptic adjustment (left eyepiece) to compensate for differences between two eyes. 52-75mm interpupillary adjustment to compensate distance difference between two eyes.



Large Working Distance And Field Of View Size

If you need to operate under the microscope, you will need a large working distance.

PST 901-S series ensures an extended working distance of 100 mm. Keep in mind your application, always: if you are soldering a printed circuit board, it may be more important to have a long working distance; if you are counting items, then a large field of view will be of great help.

Coarse And Fine Focusing

Coaxial coarse (adjustable tension) and fine focusing mechanism with limit stop to prevent the contact between objective and specimen.



Monitoring The Image Instantly

Trinocular port with beam splitter for most light-demanding needs to be always updated with the latest technology cameras.

Order no: 60 08

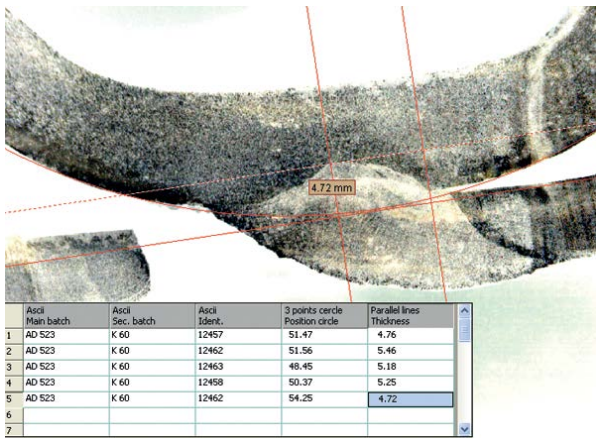
- 62 75** — Eyepiece [pair] WF15x/16 mm, with dioptic adjustment & rubber cup
- 62 76** — Eyepiece [pair] WF20x/12 mm, with dioptic adjustment & rubber cup
- 62 77** — Micrometric eyepiece WF10x/22 mm, with dioptic adjustment & rubber cup
- 61 74** — Additional Lens 0,3x
- 61 75** — Additional Lens 0,5x
- 61 76** — Additional Lens 2x
- 60 77** — Photo adapter for IMAGINE HARDWARE SET, 0.5x focusable
- 60 70** — Special protective glass, PST 901-S
- 60 66** — Cleaning kit

IMAGE ANALYSIS

MESURA 200

IMAGIN MESURA 200 allows you to view the live microscope image, compare it with stored images and if necessary save it to the system. Several databases can be created according to the customers, projects, materials or specimens.

IMAGIN MESURA 200 has several measurement tools for performing manual measurements of lines, curves, angles, areas etc. after which they can be saved and archived. Many application areas exist like "Weld Assessments, Macro analysis, PCB component measurements etc.



With 'Annotation' facility, it is possible to add comments, graphics, arrows etc. directly on the image allowing you to label specific areas of interest.

IMAGIN MESURA 200 allows you to design your own template or select one of METKON's standard templates for "Report Generation" where the text and images are automatically placed. When required, it is also possible to transfer data directly to Excel for further processing.

IMAGIN Hardware Set

CMOS Color Camera, Resolution 5.0 M. Pixels with Interpole Mod USB2 - PC Interface, C Mount - Microscope Interface. Including DUROLINE, IMM or PST adapter according to application.

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IMAGIN MESURA 200

Image capture, Image archiving, Image enhancement, Calibration, measure Length, thickness, width, angle, radius, curve perimeter, area. Multi Image Alignment, Multi Focus Function. Phase content analysis, Add Text & Marker Arrow and Calibration Scale, Image annotation, Image report generator, Automatically measurements and threshold function, Direct transfer to Excel.

Order No: 66 02

IMAGIN GRANO 200

Image capture, save and calibration, Grain sizing software in compliance with ASTM E1382 / E112 and EN ISO 643, Horizontal, vertical, diagonal or circles interception methods. Instant detection of Grain Boundaries, Powerful report generator, Direct transfer to Excel.

Order No: 66 04

