



Stereo Microscopes

1100SP Series

- Intermediate Level
- Dual-Magnification
- Precision Optics

VanGuard 1100SP Series Stereo Microscopes feature models with 4 different dual-magnification configurations. The precision stereo optics produce high-resolution, three-dimensional images. Optional eyepieces are available to customize any model for specific magnification requirements.

Viewing Head. Binocular heads rotate 360° and are inclined at 45°. All models feature interpupillary and dioptic adjustment, a large field of view, and a 102mm working distance.

Eyepieces. 10X Widefield (DIN) with a field number of 20.

Stereo Optics. Dual-Magnification (1X & 2X, 1X & 3X, 2X & 4X, and 1X & 4X models available), revolving turret objectives, parfocal and parcentered.

Focusing Movement. Large, knurled knobs drive rack & pinion mechanism for easy, controlled focusing. Also features a slip clutch mechanism to protect the gears, tension control, and 65mm of total vertical travel.

Stage Plate. Black/white reversible stage plates come standard with all models.

Stage Clips. Locked-on, stainless-steel, spring-loaded stage clips.

Base. Stable 220x165mm base fitted with anti-skid rubber feet.

Body. Cast-metal, ergonomic body with stain-resistant enamel finish.

Dimensions. 220mm (L) x 165mm (W) x 360mm (H); 4.5kg.



Model 1122SP

Specifications

Viewing Head:	Binocular
Head Rotation:	360°
Head Inclination:	45°
Interpupillary Adjustment:	51-77mm
Dioptric Adjustment:	-5 to +5
Eyepiece Magnification:	10X Widefield
Eyepiece Field Diameter:	20mm
Optional Eyepieces:	15X (Field Diameter: 15mm) 20X (Field Diameter: 12mm)
Stereo Objectives:	1X & 2X [Model 1122SP] 1X & 3X [Model 1123SP] 2X & 4X [Model 1124SP] 1X & 4X [Model 1125SP]
Working Distance:	102mm
Stage Plate:	Black/White Reversible
Stage Clips:	Stainless Steel, Spring-Loaded, Locked-On
Focusing Movement:	Dual Knobs; Rack & Pinion Assembly; Tension Control; Slip-Clutch Mechanism
Vertical Travel:	65mm
Vertical Clearance:	65mm to 175mm
Upper Illumination:	None
Lower Illumination:	None
Base Dimensions:	230mm x 150mm
Overall Dimensions:	230mm (L) x 150mm (W) x 390mm (H)
Weight:	2.9kg
Supplied With:	Eyecup (2), Dust Cover, Operation Manual



Model 1123SP



Model 1124SP

Magnification Configurations

Eyepieces	Objective	Total Magnification	Field of View (mm)	Working Distance (mm)
10X	1X	10X	20.0	102
10X	2X	20X	10.0	102
10X	3X	30X	6.6	102
10X	4X	40X	5.0	102
15X	1X	15X	15.0	102
15X	2X	30X	7.5	102
15X	3X	45X	5.0	102
15X	4X	60X	3.8	102
20X	1X	20X	12.0	102
20X	2X	40X	6.0	102
20X	3X	60X	4.0	102
20X	4X	80X	3.0	102

Ordering Information

Parts & Accessories listed on pages 36-39

Model	Head	Objectives	Upper Illumination	Lower Illumination
1122SP	Binocular	1X & 2X	None	None
1123SP	Binocular	1X & 3X	None	None
1124SP	Binocular	2X & 4X	None	None
1125SP	Binocular	1X & 4X	None	None