

VAN GUARD

1200MM Series

- Intermediate Level
- Reflected & Transmitted Light Models
- Precision Optics

VanGuard 1200MM Series Industrial Microscopes featuring reflected illumination, as well as long working distance objectives, are perfect for the inspection of integrated circuits, wafers, electronic components, metals, polymers, paint, textiles, and essentially any other opaque sample.

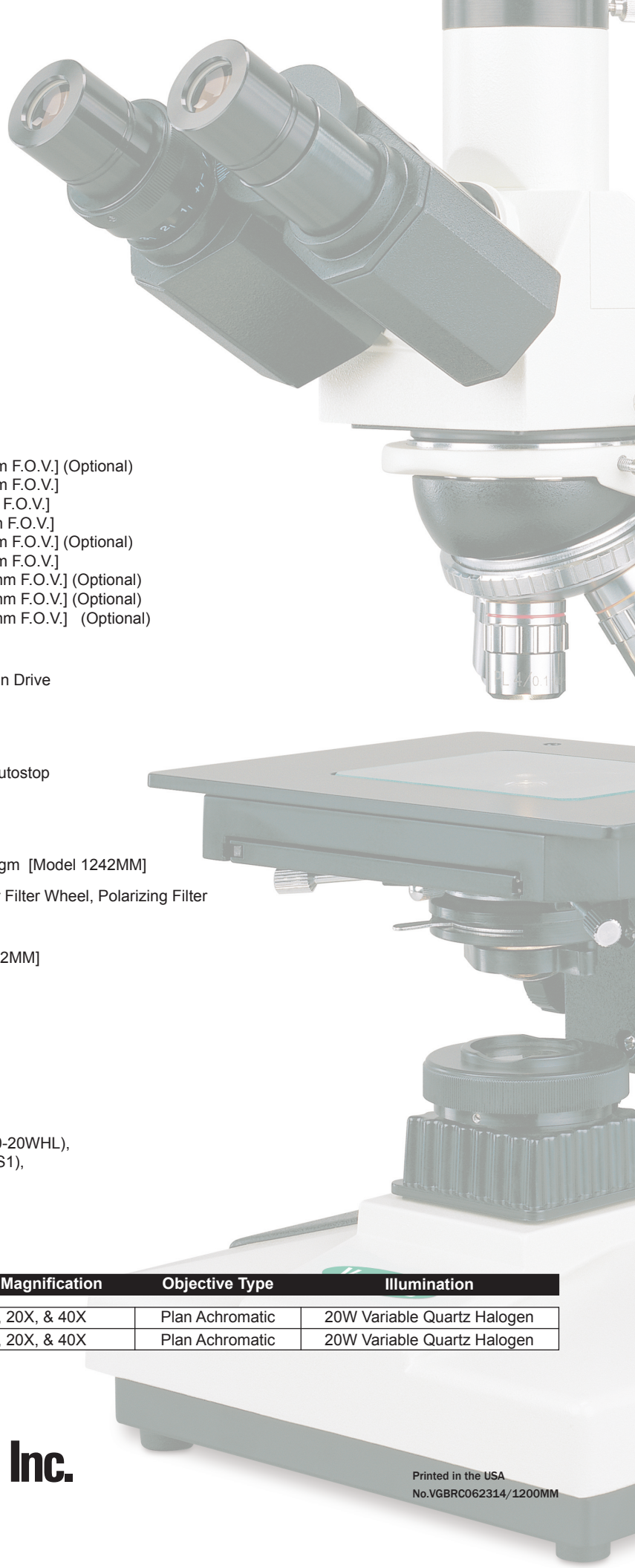


Specifications

Viewing Head:	Trinocular	
Viewing Head Type:	Seidentopf	
Head Rotation:	360°	
Head Inclination:	30°	
Sliding Prism:	100 / 100 Split	
Interpupillary Adjustment:	55-75mm	
Dioptric Adjustment:	-5 to +5	
Eyepiece Magnification:	10X Widefield	
Eyepiece Field Diameter:	18mm	
Optional Eyepieces:	15X (Field Diameter: 11mm) 20X (Field Diameter: 11mm)	
Nosepiece:	Quadruple / Reversed	
Brightfield Objectives: <i>(Plan Achromatic)</i>	4X	[0.10 N.A., 17.0mm W.D., 4.5mm F.O.V.] (Optional)
	5X	[0.12 N.A., 18.3mm W.D., 3.6mm F.O.V.]
	10X	[0.25 N.A., 8.0mm W.D., 1.8mm F.O.V.]
	20X	[0.40 N.A., 8.7mm W.D., 0.9 mm F.O.V.]
	25X	[0.40 N.A., 4.8mm W.D., 0.72mm F.O.V.] (Optional)
	40X	[0.65 N.A., 3.3mm W.D., 0.45mm F.O.V.]
	60X	[0.75 N.A., 1.34mm W.D., 0.30mm F.O.V.] (Optional)
	80X	[0.80 N.A., 0.96mm W.D., 0.23mm F.O.V.] (Optional)
	100X	[1.25 N.A., 0.25mm W.D., 0.18mm F.O.V.] (Optional)
Stage Dimensions:	140mm x 185mm	
Stage Motion:	Right-Hand Coaxial Control / Rack & Pinion Drive	
Stage Movement Range:	30x70mm	
Stage Inserts:	Glass Insert [Model 1242MM]	
Focusing Movement:	Coaxial Coarse & Fine Controls / Safety Autostop	
Focusing Range:	40mm	
Focusing Graduation:	2 Microns Per Division	
Brightfield Condenser:	1.25 N.A. Abbe Condenser w/ Iris Diaphragm [Model 1242MM]	
Upper Illumination System:	Condenser, Iris Diaphragm (2), Four-Color Filter Wheel, Polarizing Filter	
Upper Illumination:	20W Variable Quartz Halogen	
Lower Illumination:	20W Variable Quartz Halogen [Model 1242MM]	
Fuse:	0.5A, 250V	
Voltage:	110V [Standard]; 220V [Special Order]	
Base Dimensions:	250mm x 200mm	
Overall Dimensions:	250mm (L) x 200mm (W) x 400mm (H)	
Weight:	8.6kg	
Supplied With:	20W Halogen Lamp (Spare) (cat. no. 1200-20WHL), 0.5A, 250V Fuse (Spare) (cat. no. 1200-FS1), Dust Cover, Operation Manual	

Ordering Information

Model	Head	Type	Objective Magnification	Objective Type	Illumination
1241MM	Trinocular	Reflected	5X, 10X, 20X, & 40X	Plan Achromatic	20W Variable Quartz Halogen
1242MM	Trinocular	Reflected/Transmitted	5X, 10X, 20X, & 40X	Plan Achromatic	20W Variable Quartz Halogen



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