

# SPECIFICATIONS AND OPTIONS

Model	MV300	MV350	MVR200	MVR300	AV300	AV350	AVR200
Bench-Top System	X	X	X	X	X	–	X
Floor-Standing System	–	–	–	–	–	X	–
Part View Orientation	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
X-Y-Z Travel (in)	12" x 6" x 5.5"	14" x 14" x 8"	8" x 4" x 8"	12" x 8" x 8"	12" x 6" x 5.5"	14" x 14" x 8"	8" x 4" x 8"
X-Y-Z Travel (mm)	300 x 150 x 135mm	350 x 350 x 200mm	200 x 100 x 200mm	300 x 200 x 200mm	300 x 150 x 135mm	350 x 350 x 200mm	200 x 100 x 200mm
Z Axis Measuring	Optional	Optional	Optional	Optional	Standard	Standard	Standard
CNC	–	–	–	–	Standard	Standard	Standard
X-Y Accuracy (µm)	E2 = 2.5µm + 5L/1000	E2 = 2.5µm + 5L/1000	E2 = 2.5µm + 5L/1000	E2 = 2.5µm + 5L/1000	E2 = 1.9µm + 5L/1000	E2 = 2.5µm + 5L/1000	E2 = 1.9µm + 5L/1000
Z Accuracy (µm)	E1 = 2.5µm + 5L/1000	E1 = 2.5µm + 5L/1000	E1 = 2.5µm + 5L/1000	E1 = 2.5µm + 5L/1000	E1 = 2.5µm + 5L/1000	E1 = 2.5µm + 5L/1000	E1 = 2.5µm + 5L/1000
Scale Resolution	0.5µm	0.5µm	0.5µm	0.5µm	0.1µm	0.1µm	0.1µm
Multi-Sensor Compatible	–	–	–	–	–	–	–
Base	Cast Aluminum	Granite	Granite	Granite	Cast Aluminum	Granite	Granite
Control System/Software	M3	M3	M3	M3	M3 or QC5300	M3	M3
Display	21" Touchscreen PC	21" Touchscreen PC	21" Touchscreen PC	21" Touchscreen PC	21" Touchscreen PC or 24" Monitor	21" Touchscreen PC	21" Touchscreen PC
Zoom Optics - Standard	6.5:1	6.5:1	6.5:1	6.5:1	6.5:1	12:1	6.5:1 – 2 LED 12:1 – 3 LED
Zoom Optics - Optional	–	–	–	–	–	–	–
Optics	–	–	–	–	–	–	–
Microscope Optics	–	–	–	–	–	–	–
Digital Video Camera	1.3 MP Color	1.3 MP Color	1.3 or 2.0 MP Color with Telecentric	1.3 or 2.0 MP Color with Telecentric	1.3 MP Color	1.3 MP Color	1.3 MP Color Standard; 2 MP with Telecentric
Surface Ring Illumination	LED or FO	LED or FO	LED	LED	LED or FO	LED or FO	LED
Transmitted Illumination	LED or FO	LED or FO	LED	LED	LED or FO	LED or FO	LED
Coaxial Illumination - Optional	LED or FO	LED or FO	LED	LED	LED or FO	LED or FO	LED



AVR300	AV300+	AV350+	AV300+ MICRO	LF Premier	HDV300	HDV400
X	–	–	–	–	X	X
–	X	X	X	–	–	–
Vertical	Vertical	Vertical	Vertical	–	Horizontal	Horizontal
12" x 8" x 8"	12" x 6" x 8"	14" x 14" x 8"	12" x 6" x 4"	12" x 12" x 8" 18" x 12" x 8" 28" x 24" x 8" 38" x 30" x 8" 50" x 36" x 8"	12" x 6"	16" x 6"
300 x 200 x 200mm	300 x 150 x 200mm	350 x 350 x 200mm	300 x 150 x 100mm	305 x 305 x 200mm 460 x 305 x 200mm 711 x 610 x 200mm 965 x 760 x 200mm 1270 x 915 x 200mm	300 x 150mm	400 x 150mm
Standard	Standard	Standard	Standard	–	–	–
Standard	Standard	Standard	Standard	–	–	–
E2 = 1.9µm + 5L/1000	E2 = 1.9µm + 5L/1000	E2 = 2.5µm + 5L/1000	E2 = 1.5µm + 5L/1000	E2 = 1.5 + 5L/1000	E1 = 3.0µm + L33	E1 = 3.0µm + L/33
E1 = 2.5µm + 5L/1000	E1 = 2.5µm + 5L/1000	E1 = 2.5µm + 5L/1000	E1 = 2.0µm + 5L/1000	E1 = 1.9 + 5L/1000 (Z)	–	–
0.1µm	0.1µm	0.1µm	5nm	0.1µm	0.5µm	0.5µm
–	Yes	Yes	–	–	–	–
Granite	Granite	Granite	Granite	–	Steel	Steel
M3	QC5300	QC5300	QC5300 or PAX–it	QC5300 or M3	M3	M3
21" Touchscreen PC	24" Monitor	24" Monitor	24" Monitor	24" Monitor or 21.5" Touchscreen	24" Touchscreen Monitor	24" Touchscreen Monitor
6.5:1 – 2 LED 12:1 – 3 LED	12:1	12:1	–	12:1	–	–
–	–	–	–	–	6.5:1	6.5:1
–	–	–	–	–	Choice of 4.0x, 2.0x, 1.0x, 0.80x, 0.50x and 0.30x interchangeable Telecentric Lenses Optional- 0.14X fixed	Choice of 4.0x, 2.0x, 1.0x, 0.80x, 0.50x and 0.30x interchangeable Telecentric Lenses Optional- 0.14X Fixed
–	–	–	Standard	Optional	–	–
1.3 MP Color Standard; 2 MP with Telecentric	1.3 MP Color	1.3 MP Color	1.3 MP Color	1.3 MP Color	5 MP Color	5 MP Color
LED or FO	LED or FO	LED or FO	–	–	LED	LED
LED or FO	LED or FO	LED or FO	LED or FO	–	LED	LED
LED or FO	LED or FO	LED or FO	LED or FO	–	–	–

