

# EXCEL Precision Measurement Systems

501, 502, 1051, 1052, 1054, 1601, 1602, 1604

	Excel 501 HM/HC	Excel 502 HM/HC	Excel 501 UM/UC	Excel 502 UM/UC		
<b>Scale Resolution</b>	0.4 µm	0.4 µm	0.1 µm	0.1 µm		
<b>XY Accuracy, E<sub>2</sub></b>	2.8+L/200	3.1+L/200	2.5+L/200	2.8+L/200		
<b>Z Accuracy, E<sub>1</sub></b>	2.8+L/100	3.3+L/100	2.5+L/100	3.0+L/100		
<b>Zoom Ratio (Optical , Digital)</b>	19.5x (6.5x, 3x)	19.5x (6.5x, 3x)	36x (12x, 3x)	36x (12x, 3x)		
<b>On-Screen Zoom Range</b>	20x - 370x to 40x - 740x	20x - 370x to 40x - 740x	15x - 540x to 30x - 1080x	15x - 540x to 30x - 1080x		
<b>Capacity mm (inches)</b>	500x400x160 (19.7x15.7x6.3)	500x400x250 (19.7x15.7x9.8)	500x400x160 (19.7x15.7x6.3)	500x400x250 (19.7x15.7x9.8)		
<b>Machine Size mm (inches) Weight</b>	1200x1100x1550 (47x43x61) 860kg (1900lbs)	1200x1100x1650 (47x43x65) 900kg (1980lbs)	1200x1100x1550 (47x43x61) 860kg (1900lbs)	1200x1100x1650 (47x43x65) 900kg (1980lbs)		
<b>Shipping Size mm (inches) Weight</b>	1420x1320x1880 (56x52x74) 1060kg (2330lbs)	1420x1320x1880 (56x52x74) 1100kg (2420lbs)	1420x1320x1880 (56x52x74) 1060kg (2330lbs)	1420x1320x1880 (56x52x74) 1100kg (2420lbs)		
	Excel 1051 UM/UC	Excel 1052 UM/UC	Excel 1054 UM/UC	Excel 1601 UM/UC	Excel 1602 UM/UC	Excel 1604 UM/UC
<b>Scale Resolution</b>	0.1 µm	0.1 µm	0.1 µm	0.1 µm	0.1 µm	0.1 µm
<b>XY Accuracy, E<sub>2</sub></b>	4.2+L/200	4.5+L/200	5.2+L/150	4.2+L/200	4.5+L/200	5.2+L/150
<b>Z Accuracy, E<sub>1</sub></b>	2.8+L/100	3.3+L/100	3.8+L/100	2.8+L/100	3.3+L/100	3.8+L/100
<b>Zoom Ratio (Optical , Digital)</b>	36x (12x, 3x)	36x (12x, 3x)	36x (12x, 3x)	36x (12x, 3x)	36x (12x, 3x)	36x (12x, 3x)
<b>On-Screen Zoom Range</b>	15x - 540x to 30x - 1080x	15x - 540x to 30x - 1080x	15x - 540x to 30x - 1080x	15x - 540x to 30x - 1080x	15x - 540x to 30x - 1080x	15x - 540x to 30x - 1080x
<b>Capacity mm (inches)</b>	1050x1050x160 (41.3x41.3x6.3)	1050x1050x250 (41.3x41.3x9.8)	1050x1050x400 (41.3x41.3x15.7)	1650x1050x160 (65.0x41.3x6.3)	1650x1050x250 (65.0x41.3x9.8)	1650x1050x400 (65.0x41.3x15.7)
<b>Machine Size mm (inches) Weight</b>	2000x1720x1650 (79x68x65) 2700kg (5940lbs)	2000x1720x1850 (79x68x73) 2750kg (6050lbs)	2000x1720x2000 (79x68x79) 2850kg (6270lbs)	2600x1720x1650 (103x68x65) 3450kg (7590lbs)	2600x1720x1850 (103x68x73) 3500kg (7700lbs)	2600x1720x2000 (103x68x79) 3600kg (7920lbs)
<b>Shipping Size mm (inches) Weight</b>	2250x1970x1900 (89x78x75) 3350kg (7370lbs)	2250x1970x2275 (89x78x90) 3450kg (7590lbs)	2250x1970x2275 (89x78x90) 3550kg (7810lbs)	2900x1970x1900 (115x78x75) 4300kg (9460lbs)	2900x1970x2275 (115x78x90) 4400kg (9680lbs)	2900x1970x2275 (115x78x90) 4500kg (9900lbs)

Preliminary specifications, subject to change without notice.

Z Accuracy is mechanical accuracy; focus accuracy depends on the part surface.

On-Screen zoom range depends on monitor size and resolution.

We reserve the right to change product specifications without notice.



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REV.A

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501, 502, 1051, 1052, 1054, 1601, 1602, 1604



**EXCEL 1052UC**



**EXCEL 501HC**



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