MarVision MM 420

Workshop measuring microscope with M3 software

FEATURES

- Integrated color camera
- Zoom lens (0.7x –4.5x), optionally motorized
- LED ring light: 1 ring and 4 segments, individually switchable and dimmable
- Dimmable LED transmitted light
- Laser pointer for position finding
- Solid granite base
- Sturdy steel XY table, precision-mounted
- Quick and fine adjustment of axes
- Optical incremental measuring system for outstanding accuracy and reliability

Control and display unit with M3 software and touchscreen PC

- 23" touchscreen with keyboard and mouse
- Windows 10 Pro operating system, additional software can be installed
- Operation via the multi-touch screen or with a mouse/keyboard
- Large video screen
- Reference/actual evaluation with tolerances
- Record output with company logo
- Graphical display with dimensioning
- Automatic edge detection, even on low contrast parts
- Stitching
- Statistics

Application:
- Measurement or determination of geometric elements (point, straight line, circle, distance, intersection point, etc.) by automatic edge detection, e.g. on punched and bent components, plastic components, and circuit boards

TECHNICAL DATA

Order no.		4247600	4247601	4247602	4247603
Type		MM 420			
Measuring range X/Y	mm	100 / 100	200 / 100	250 / 170	400 / 250
Size of table	mm	270 x 210	370 x 210	420 x 280	600 x 480
Maximum table load	kg	20			
Measuring system		Built-in incremental scale			
Measuring system - resolution	mm	0,001			
Measuring system - E1 X/Y in µm	µm	1.9 + (L/100)		1.9 + (L/100)	3.9 + (L/100)
Measuring system - E2 XY in µm	µm	2.9 + (L/100)			4.9 + (L/100)
Magnification		35 –225x			
Max. height of test piece	mm	115			290
Max. height of test piece / 0.5-fold	mm	20			200
Max. height of test piece with coax.	mm	115			260
200 extension in Z	mm	315			
200 extension in Z / 0.5-fold	mm	220			
Illumination		LED back and front illumination, adjustable			
Energy supply:		230 V / 50 Hz			
H x W x D	mm	700 x 480 x 430	700 x 650 x 550	700 x 700 x 600	800 x 1000 x 900