

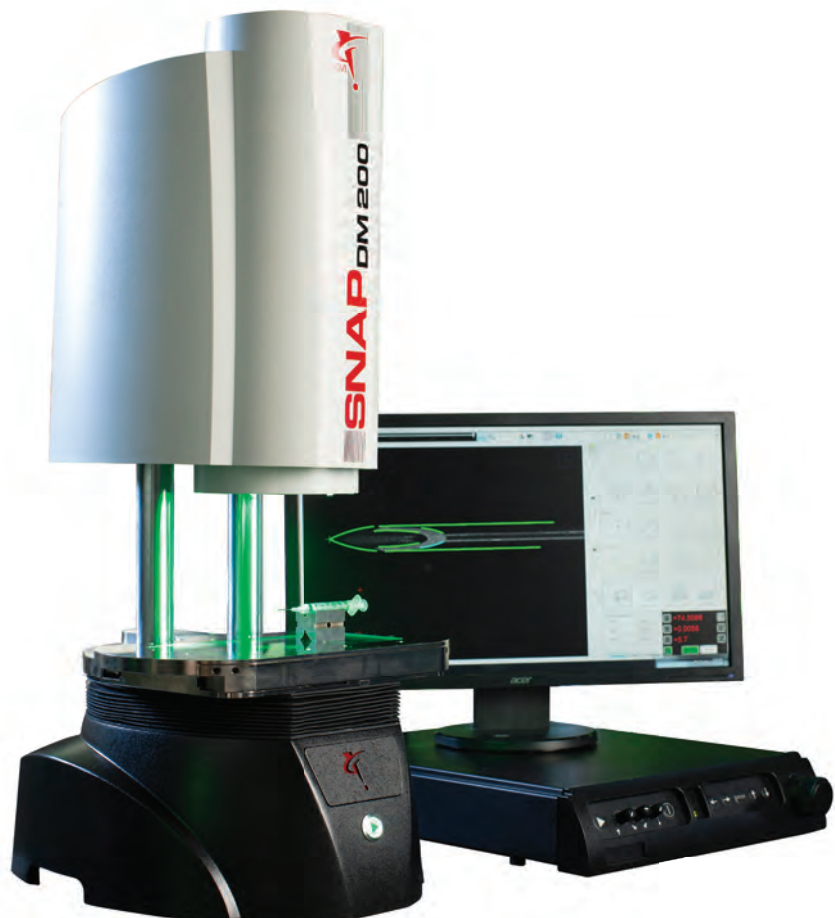


QVI® SNAP™ DM200

Full Function Digital Measuring Machine


SNAP DM200 offers extended measuring range and dual optical magnification for large *and* small feature measurement.

- 250 x 100 mm measuring range with moving stage for larger parts
- Auto-ID recognizes all parts within its viewing area even multiple different parts
- Exclusive Zoom Anywhere™ technology lets you zoom in and measure details anywhere in the viewing area
- SNAP DM200 enables fast automatic measurement regardless of part orientation

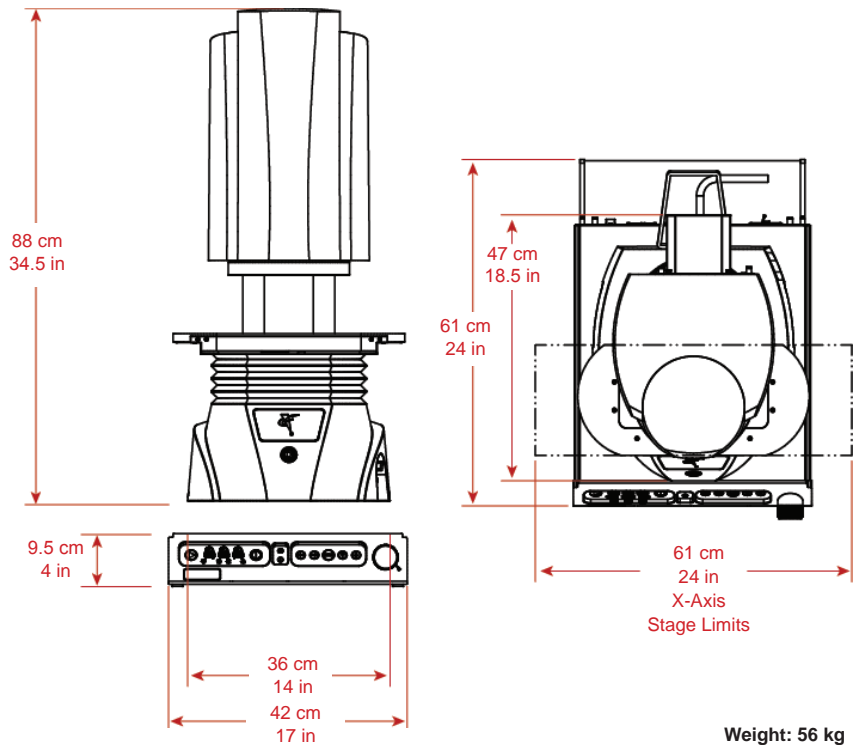
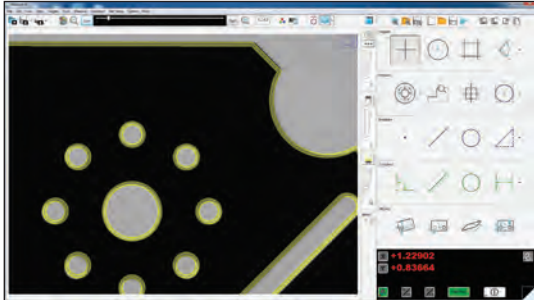


Measurement Software

SNAP measurement software provides a full range of feature measurements with an unlimited number of points and measurement steps in a routine.

To run a part routine, just place the part and press 

SNAP automatically identifies the part and its orientation, eliminating the need for manual setup. Programming is simple, too. Work from a CAD drawing, sample part, or simply walk up and measure.



Weight: 56 kg
125 lb

| | Standard | | Optional |
|----------------------------|--|---------------|---|
| Measuring Unit | Cast aluminum base with nickel plated worktable and 75 mm vertical position adjustment | | |
| Maximum Measuring Range | X: 250 mm, Y: 100 mm, Z: 75 mm X: 10 in, Y: 4 in, Z: 3 in | | |
| Stage | Nickel plated with glass insert and fixturing holes. 4 kg (8.5 lb) load capacity, evenly distributed, motorized vertical position adjustment | | Rotary indexer |
| Stage Motion Range | X: 150 mm, Z: 75 mm X: 6 in, Z: 3 in | | |
| Optics | Fully telecentric, dual magnification; calibration artifact available | | |
| Field of View | Low Mag: 100 mm (4 in) High Mag: 25 mm (1 in) | | Low Mag: 78 mm (3 in) High Mag: 19.5 mm (0.75 in) |
| Depth of Field | Low Mag: 38 mm (1.5 in) High Mag: 4.75 mm (0.2 in) | | |
| Illumination | All-LED, substage profile light, coaxial surface light, programmable 8-sector ring light | | |
| Camera | QVI Digital Megapixel, black and white; pixel size 5.5 μm | | QVI High Density Digital Megapixel, black and white; pixel size 2.2 μm |
| Image Processing | SNAP advanced image analysis, 256 level grayscale, with 10:1 - 50:1 sub-pixel resolution | | |
| Controls Unit | Push button motion control for X and Z, rotary dial fine positioning for X, light controls, start/stop | | |
| System Controller | Windows™ Controller with Speed/Bus ICORE 5 Quad CPU, 4 GB RAM, 160 GB hard drive, 8 MB cache, serial ATA DVD/RW | | Single flat panel LCD monitor, or dual flat panel LCD monitors; keyboard, mouse |
| Rated Environment | 20 ± 2° C (rated), 15-30° C (max. operating range) | | |
| Power | 115 ± 10% / 230 ± 10% VAC, 50/60 Hz, 1 phase, 160 W | | |
| Accuracy (E _z) | Low Mag | High Mag | |
| | 10 μm + L/150* | 5 μm + L/150* | |

*Where L = measuring length in mm. Applies to the smallest field size at each optical magnification. QVI calibration artifact P/N 638696 for low magnification and high magnification. Calibration artifacts must be positioned in the standard measuring plane, defined as perpendicular to the optical axis within 0.5 mm or 0.02 in, and within 5 mm or 0.20 inches of best focus. Weight not to exceed 2.5 kg or 5 lbs equally distributed on the worktable. Applies to a thermally stable system calibrated and operated within the rated environment.

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