

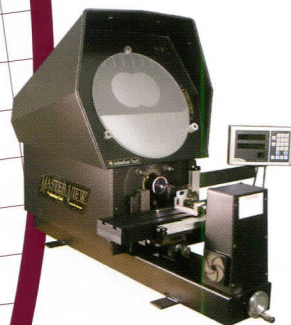
Suburban Tool, Inc.

Taft-Peirce Metrology

Master-View™ 14" OPTICAL COMPARATORS



TM



SCAN TO SEE
COMPARATORS
ON OUR WEBSITE



MVB201410

MV-140-QRE WITH ERECT IMAGE

- Heidenhain Quadra-Chek® ND1200 series 3-axis digital readout with:

- 5.7" LCD screen.
- Direct measurement of points, lines, circles, distance and angles.
- Graphic display of measurement results.
- Automatic recognition of geometries (Measure Magic).
- Programming of features and parts.
- Entry of tolerances.
- 360° digital protractor.
- Multiple languages.
- RS-232 and USB data interface.
- Metric / inch conversion.
- Skew capability.

- 1 micron glass scales.
- Display reads to 0.0001".
- Two long-life tungsten-halogen light sources.
- Extra bright surface illumination through duplex fiber optics.
- Individual switches select profile, surface or combination surface and profile illumination modes.
- High capacity 4-1/2" X 19" stage with 8" horizontal and 4" vertical travel.
- Ball way construction handles loads to 100 pounds.
- Heavy-duty monorail type welded steel frame.
- Rotating frosted glass screen with 90° crosslines and 360° protractor markings.
- Vernier readings to 5 arc minutes.
- 10 power lens system (20 & 50X optional).
- Edge detection is standard on the MV-140-QRE.
- Screen mounted overlay chart clips.
- Weighs 275 pounds.
- Measures 46-1/2" long x 22-1/2" wide x 35-1/2" high.



MV-140-QRE

Additional MV-140 Models:

MV-140-H	Similar to above with Heidenhain ND120 series 2-axis digital readout without edge detection.
MV-140-M	Similar to above with Mitutoyo QM-Data200 2-axis digital readout without edge detection.
MV-140-Q	Similar to above with Heidenhain ND1200 series 2-axis digital readout without edge detection.
MV-140-QE	Similar to above with Heidenhain ND1200 series 2-axis digital readout and fiber optic edge detection.
MV-140-QR	Similar to above with Heidenhain ND1200 series 3-axis digital readout without edge detection.



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MV-14

- Digital LCD scales on X and Y axes provide readings to 0.0005".
- Output from scales that is compatible with most SPC systems.
- High capacity 4-1/2" X 19" stage with 8" horizontal and 4" vertical travel.
- Ball way construction handles loads to 100 pounds.
- Two long-life tungsten-halogen light sources.
- Extra bright surface illumination through duplex fiber optics.
- Individual switches select profile, surface or combination surface-profile illumination modes.
- Heavy-duty monorail type welded steel frame.
- Rotating frosted glass screen with 90° crosslines and 360° protractor markings.
- Vernier readings to 5 arc minutes.
- 10 power lens system (20 & 50X optional).
- Clip-on overlay chart clips.
- Weighs 188 pounds.
- Measures 48-1/2" long x 22-1/2" wide x 34" high.



MV-14

MV-14-P

Includes MV-14 features plus:

- Fagor NV-20 2-axis digital readout with:
 - Linear compensation.
 - Inch / mm conversion.
 - Absolute / incremental switch.
- 5 micron glass scales.
- Display reads to 0.0005".



MV-14-P

MV-14-M

Includes MV-14 features plus:

- Mitutoyo QM-Data200 2-axis digital readout with:
 - Large LCD screen.
 - Direct measurement of points, lines, circles & slots.
 - Printer interface.
 - Output to spreadsheet through RS232 port.
 - Inch-mm conversion.
- 5 micron glass scales.
- Display reads to 0.0001".



MV-14-M

MV-14-H

Includes MV-14 features plus:

- Heidenhain Quadra-Chek® ND120 series 3-axis digital readout with:
 - Large LCD screen.
 - Direct measurement of points, lines, circles & slots.
 - TypeB USB data interface.
 - Graphic display of measurement results.
 - Entry of tolerances.
- 1 micron glass scales.
- Display reads to 0.0001".



MV-14-H

MV-14-Q

Includes MV-14 features plus:

- Heidenhain Quadra-Chek® ND1200 series readout with geometric functions.
- Easily calculate distance, angle, intersection, radius, diameter, part skew, etc.
- Output to printer or PC.
- 1 micron glass scales.
- Display reads to 0.0001".

Additional MV-14-Q Models:

MV-14-QE	MV-14-Q with fiber optic edge detection.
MV-14-QR	MV-14-Q with digital protractor.
MV-14-QRE	MV-14-Q with fiber optic edge detection and digital protractor.



MV-14-Q

OPTIONAL LENSES

<u>MODEL #</u>	<u>DESCRIPTION</u>
MV-14-20X	20 Power Lens
MV-14-50X	50 Power Lens



MV-14-50X



MV-14-20X

OPTIONAL ACCESSORIES

MODEL#

DESCRIPTION

MV-14-BASE

Cabinet base with inside shelf and casters

MV-14-CTR

Stage centers with 14" long x 3" diameter capacity

MV-14-COVER1

Coated nylon protective cover fits basic MV-14 model

MV-14-COVER2

Coated nylon protective cover fits all MV-14-M, -P, -Q & -S models

MV-140-COVER

Coated nylon protective cover fits all MV-140 models

MV-14-HOOD

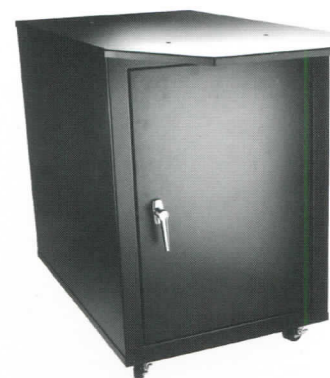
Housing hood reduces shadows and glare

MV-14-VB

V-block fixture with 1-3/8" capacity

RRV-473

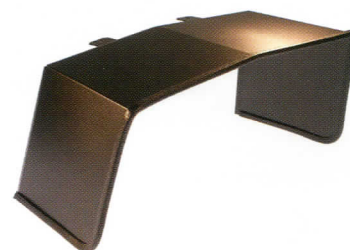
Rotary base vise graduated 360° in 1° increments



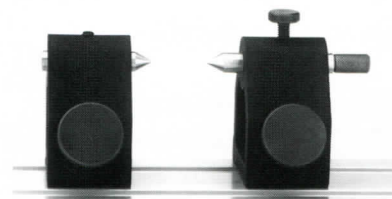
MV-14-BASE



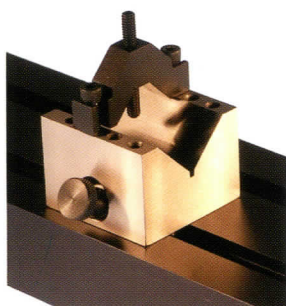
MV-14-COVER1



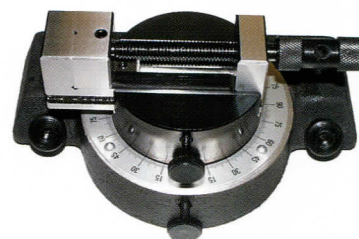
MV-14-HOOD



MV-14-CTR



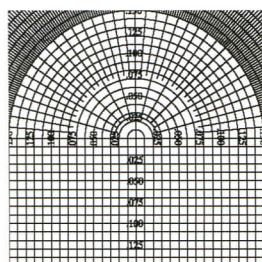
MV-14-VB



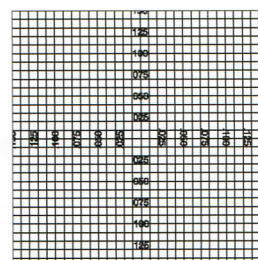
RRV-473

OPTIONAL OVERLAY CHARTS

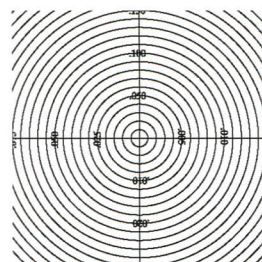
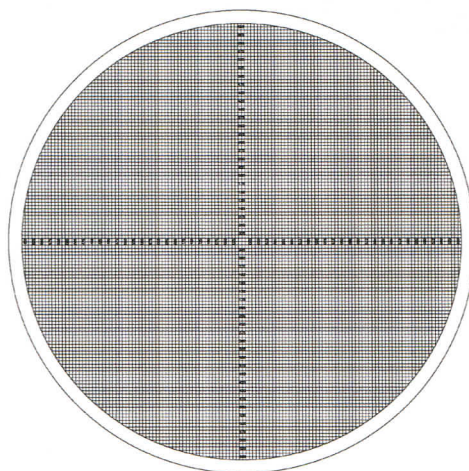
<u>MODEL #</u>	<u>DESCRIPTION</u>
OC-1-10X	Combination Grid / Radius Chart for 10X
OC-1-20X	Combination Grid / Radius Chart for 20X
OC-1-50X	Combination Grid / Radius Chart for 50X
OC-2-10X	Grid Chart for 10X
OC-2-20X	Grid Chart for 20X
OC-2-50X	Grid Chart for 50X
OC-6	Radius Chart for 10X, 20X & 50X
OC-10-10X	Radius / Angle Chart for 10X
OC-10-20X	Radius / Angle Chart for 20X
OC-10-50X	Radius / Angle Chart for 50X
OC-29-10X	American National Basic Thread Chart for 10X
OC-29-20X	American National Basic Thread Chart for 20X
OC-29-50X	American National Basic Thread Chart for 50X



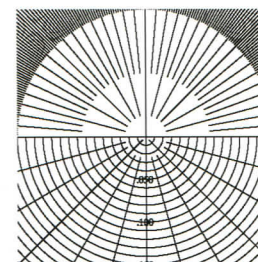
OC-1 Style



OC-2 Style



OC-6



OC-10 Style

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