

# PH-3515F Horizontal Optical Comparator

Shown with optional  
QM-Data 200  
2D Data Processing Unit

Bulletin No. 1737-172

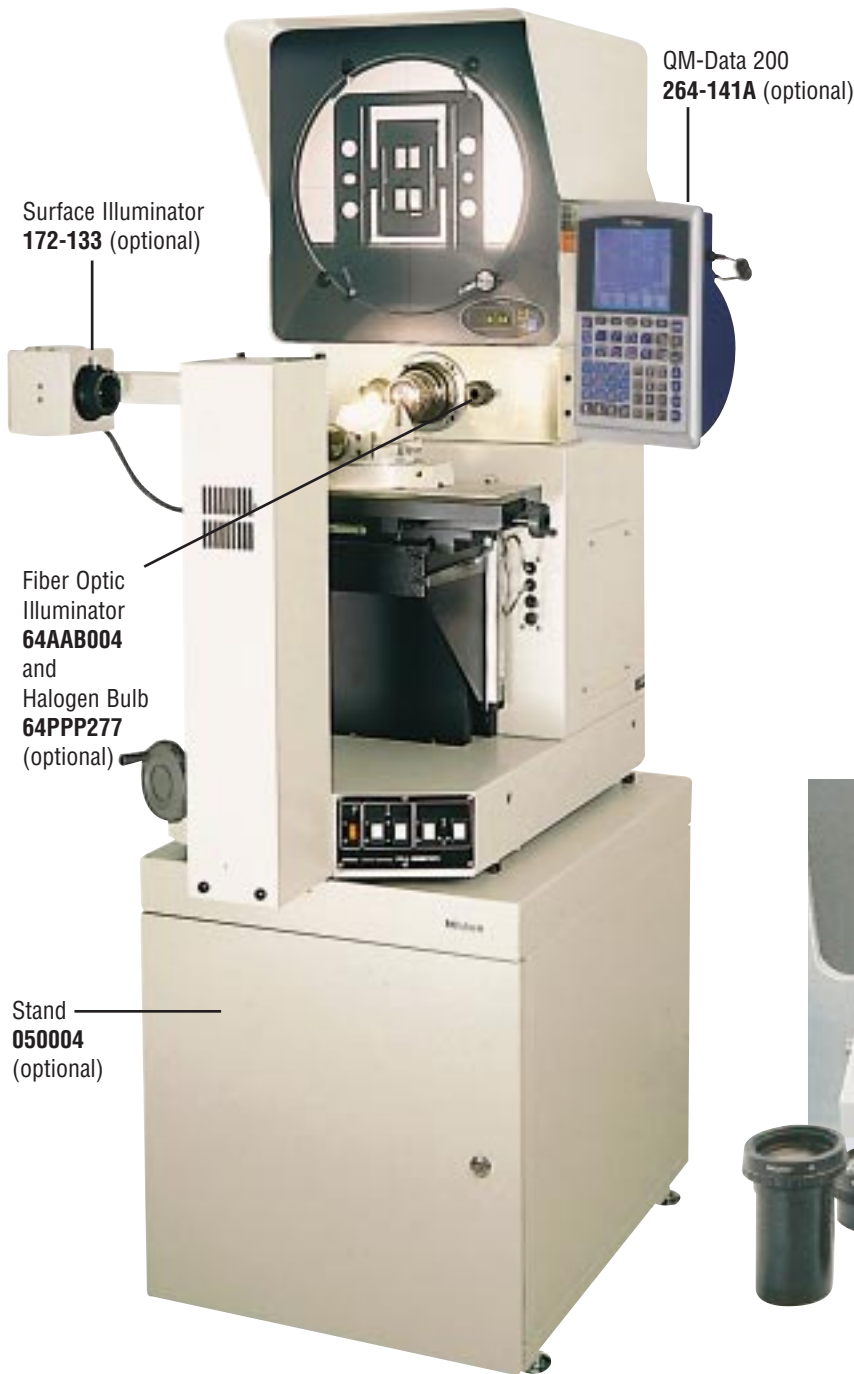


**Excellent, All-Purpose  
Horizontal-Beam  
Profile Projector**

**Mitutoyo**

# PH-3515F Profile Projector

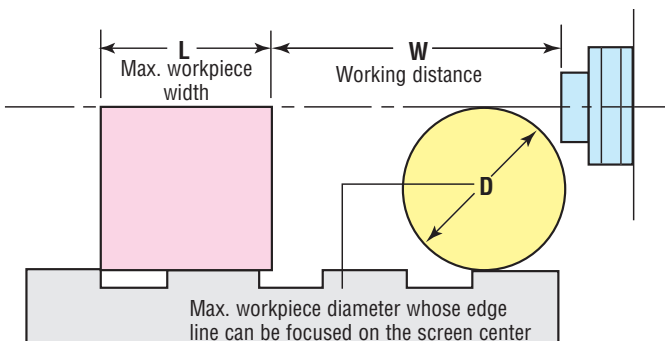
## Series 172



### Features

- Heavy-Duty, bench-top model with horizontal optical system.
- Erect image on Day-bright screen.
- 14" (356mm) dia. protractor screen with crosshair line for easy alignment.
- Digital angle measurement to 1' or 0.01°.
- Floating-type workstage incorporates linear scales for fast, accurate measurement.
- Contour illumination with halogen bulb. Surface illumination with halogen bulb.
- Suitable for thread pitch measurements — free from blurred or distorted images when the workpiece is angled.
- Wide range of accessories for various applications.

### Projection Lenses



PH-3515F Unit: *inch*

Illumination	Contour					Surface				
	5X	10X	20X	50X	100X	5X	10X	20X	50X	100X
Magnification	5X	10X	20X	50X	100X	5X	10X	20X	50X	100X
View field dia.	2.80	1.40	.70	.28	.13	2.80	1.40	.70	.28	.13
W	6.30	3.66	1.57	.57	.37	2.52	1.61	1.57	.57	.37
L	6.89	9.25	9.25	3.15	4.29	6.89	9.25	9.25	3.15	4.29
D	6	6	4.57	1.20	.75	6	6	4.56	1.19	.75



## Optional Display Units



QM Data 200

### QM-Data200 (2D Data Processing Unit)

<b>Order No.</b>	<b>264-141A</b> (Arm-mount model)
<b>Resolution</b>	.00002"/.00005"/.0001" (0.0005mm/0.001mm)
<b>Software</b>	Standard geometric element Geometry combination pattern Memory: 1000 elements (max)
<b>Dimension</b>	7.87" (W) x 11.02" (H) x 3.54" (D)

- The QM-Data 200 supports direct X/Y-axis scale signal input for instrument interfaces.
- For edge sensing capabilities, order the Optoeye-200, part number **332-151** and mounting plate number **12AAE671**



KA Counter

### KA Counter

<b>Order No.</b>	<b>174-173A</b>
<b>Resolution</b>	.0005"/.0002"/.0001"/.00005" (0.0005mm/0.002mm/0.001mm)
<b>Dimension</b>	10.2" (W) x 6.61" (H) x 3.2" (D)

\*Need Counter Tray **64AAB003**

Coordinate Measuring Machines	_____
Vision Measuring Systems	_____
Surface Roughness, Form and Contour Measurement	_____
Digital Scale and DRO Systems	_____
Optical Measuring Machines	_____
Sensor Systems	_____
Hardness Measuring Machines	_____
Small Tool Instruments and Data Management	_____

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