

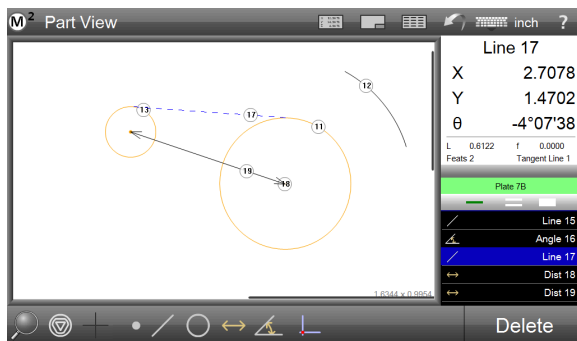
# PH-3515

## Profile Projector and 2D Processor Packages

Heavy-Duty, Bench-Top Model with Horizontal Optical System featuring touch screen M2 geometric measuring display

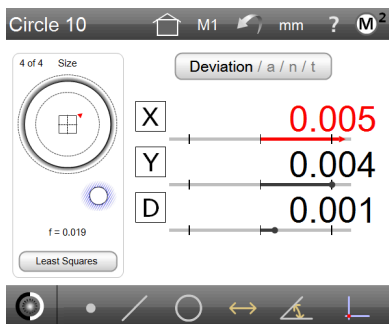


OPTICAL MEASURING



## Graphics-based "Part View" constructions

Generate popular construction types, like Distances and Tangent Lines, from within the graphical part view.



## Geometric tolerancing

Measure features, set nominals, apply tolerances and view deviation results with only a few quick clicks.

| Feature  | Tol | Actual    | Nominal | Tol- | Tol+ |
|----------|-----|-----------|---------|------|------|
| Line 1   | X   | 17.562    |         |      |      |
|          | Y   | 0.000     |         |      |      |
|          | A   | 0°00'00"  |         |      |      |
| Line 2   | X   | 1.325     |         |      |      |
|          | Y   | 12.838    |         |      |      |
|          | A   | 84°06'32" |         |      |      |
| Point 3  | X   | 0.000     |         |      |      |
|          | Y   | 0.000     |         |      |      |
| Circle 4 | X   | 8.405     |         |      |      |

**Reports** Flexibility for report contents and formatting allows for full customization of the data format, header information, and header and footer graphics.

## Features:

- ø14" Screen, Horizontal Projector
- 10" x 4" Travel T Slot table for accessories
- Linear Glass Scales for accurate movement
- Profile and Fiber Optic Surface Illumination
- Easy to use all-in-one PC Touch Screen Display
- M2 Geometric 2D Measurement Software
- Optional Edge Detection
- Digital built-in angle counter

| FULL PACKAGES     |   |             |
|-------------------|---|-------------|
| Order No.         | Description   | List        |
| 64PKA165          | PH-3515 PROFILE PROJECTOR - WITH OPTICAL EDGE DETECTION AND TOUCH SCREEN M2 GEOMETRIC DISPLAY   | \$15,900.00 |
| 64PKA166          | PH-3515 PROFILE PROJECTOR - WITH TOUCH SCREEN M2 GEOMETRIC DISPLAY  | \$14,500.00 |
| RETROFIT PACKAGES |   |             |
| 64PKA156A         | M2 2D Data Processing Unit with software and hardware including a tablet PC. Also includes installation and calibration on the customer's existing PH-3515                | \$4,250.00  |
| 64PKA157A         | M2 2D Data Processing Unit with Edge Detection software and hardware including a tablet PC. Also includes installation and calibration on the customer's existing PH-3515 | \$5,500.00  |

(Includes installation and A2LA accredited calibration)

Please see Bulletin No. 2210 for a complete listing of accessories.

## PH-3515 Specifications

|   |   |   |
|---|---|---|
| Model No.                                   | PH-3515F  |   |
| Order No.                                   | 172-868A*   |   |
| Projected Image                             | Erect image   |   |
| Protractor screen                           | Effective diameter  | 14" / 353mm   |
|   | Screen material   | Fine ground glass   |
|   | Reference line  | Cross hair line   |
|   | Screen rotation   | ±360°, fine feed and clamp  |
|   | Angle display(LED)  | Resolution: 1' or 0.01°(switchable), Range: ±370°, Functions: Absolute/incremental mode switching, Zero set |
| Projection lens                             | Standard accessory: 10x(172-184), Optional accessories: 5X, 20X, 50X, 100X  |   |
| Magnification accuracy                      | Contour illumination  | ±0.1% or less   |
|   | Surface illumination  | ±0.15% or less  |
| Contour illumination                        | light source  | Halogen bulb (24V 150W)   |
|   | Optical system  | Telecentric system  |
|   | Functions   | 2-step brightness switch, Heat-absorbing filter, Cooling fan  |
| Surface illumination (Optional accessories) | light source  | Halogen bulb(24V 150W)  |
|   | Functions   | Adjustable condenser lens, Heat-absorbing filter, Cooling fan   |
|   | Table travel (X-axis)   | 10" / 254mm   |
|   | Table size (X, Z)   | 17.7"x5.7" / 450x146mm  |
|   | Vertical travel (Y-axis)  | 6" / 152mm  |
|   | Resolution  | 0.001mm/0.0005"*  |
|   | Measuring Unit  | Built in Linear scale   |
|   | Max. workpiece width  | 235mm when using 10X Lens   |
| Power supply                                | Max. workpiece load   | 100lbs / 45kg   |
|   |   | 120V AC, 50/60Hz  |
| Mass  | 333lbs / 150kg  |   |
| Standard accessories                        | 10x projection lens set, work stage, power cord, halogen bulb, tube fuse, grounding wire, allen wrench, Vinyl cover |   |

\* Counter not included

# Mitutoyo

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