# **Mitutoyo**



# PROFILE PROJECTORS PROMO

PH-3515F, PJ-PLUS, PV-5110 & PJ-H30 Series

Effective through December 13, 2024



# **Profile Projectors**

#### **PH-3515F Profile Projector and 2D Processor Packages**

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

- >ø14" screen, Horizontal Projector
- > 10" x 6" Travel T Slot table for accessories
- > Linear Glass Scales for accurate measurement
- > Profile and Fiber Optic Surface Illumination
- > Digital built-in angle counter
- > Maximum Load 45 kg / 100lb
- > Available with M2 or QM Data 2D Processors

| Order No.   | Description  | List        | Promo       |  |  |  |
|---|--|-------------|-------------|--|--|--|
| PH-3515 Main Unit & Digital Readout Packages 5% Off |  |             |             |  |  |  |
| 172-868-11A-KA                                      | PH-3515F Profile Projector with KA counter & Tray  | \$13,300.00 | \$12,635.00 |  |  |  |
| 172-868-11A-QM                                      | PH-3515F Profile Projector with<br>QM Data & Arm Mount   | \$15,400.00 | \$14,630.00 |  |  |  |
| 172-868-11A-M2                                      | PH-3515F Profile Projector with Touchscreen<br>PC & M2 Software/Hardware                         | \$16,600.00 | \$15,770.00 |  |  |  |
| 172-868-11A-<br>QM-OPT                              | PH-3515F Profile Projector with QM Data,<br>Arm Mount & Optoeye Edge Detection                   | \$17,900.00 | \$17,005.00 |  |  |  |
| 172-868-11A-M2-<br>EDGE                             | PH-3515F Profile Projector with Optical Edge<br>Detection, Touchscreen PC & M2 Software/Hardware | \$18,200.00 | \$17,290.00 |  |  |  |
| Machine Stand (Optional)                            |  |             |             |  |  |  |
| 64PMI308  | Machine Stand for PH Series  | \$850.00    | -           |  |  |  |

(Includes installation and A2LA accredited calibration)

### Compatible Digital-Read-Out (DRO) Devices

#### M2 Software & Hardware: PH-3515 & PJ-PLUS





M2 is a universal 2D coordinate measurement software which has become the preferred software for many optical comparator users due to its intuitive user interface and data collection procedures.

- > Software & All-In-One Touch Screen PC Included
- > Full Integration and A2LA Calibration conducted



KA-200 Counter: PH-3515 & PV-5110





- Display unit for X & Y Linear Scales
- > ABSOLUTE and incremental modes (10 presets each)
- >0.05-.0001mm / .02" .000005" in resolution
- > Calculator functionality

#### **Automatic Edge Detection**



Fiber Optic Edge Detection system integrated into M2 software via M2 Communication Unit.

Intuitive Edge Teach Functionality built into software.

Allows for continuous measurement of features, while storing data for post process analysis

#### **PJ-Plus with M2 2D Processor Packages**

The PJ-Plus is a new series of profile projector offered by Mitutoyo. This system utilizes LED lighting and a fan-less design making it ideal for harsh manufacturing facilities or job shop.

| -                              |   |                |             |             |
|--------------------------------|---|----------------|-------------|-------------|
| Order No                       | Description   | XY Stage       | List        | Promo       |
| PJ-PLUS Main Units - 5% Off    |   |                |             |             |
| 302-801-10A                    | PJ-P1010A 4x4"/100x100m                                     | 4x4"/100x100m  | \$12,400.00 | \$11,780.00 |
| 302-802-10A                    | PJ-P2010A 8X4"/200x200mm                                    | 8X4"/200x200mm | \$15,500.00 | \$14,725.00 |
| PJ-PLUS & M2 Packages - 5% Off |   |                |             |             |
| 302-801-10-M2-<br>EDGE         | PJ-PLUS 4X4 - M2, Optical Edge<br>Detection and Touchscreen | 4x4"/100x100mm | \$18,700.00 | \$17,765.00 |
| 302-801-10-M2                  | PJ-PLUS 4x4 - M2 and Touchscreen<br>PC Package              | 4x4"/100x100mm | \$17,300.00 | \$16,435.00 |
| 302-802-10-M2-<br>EDGE         | PJ-PLUS 8x4 - M2, Optical Edge<br>Detection and Touchscreen | 8x4"/200x100mm | \$21,900.00 | \$20,805.00 |
| 302-802-10-M2                  | PJ-PLUS 8x4 - M2 and Touchscreen<br>PC Package              | 8x4"/200x100mm | \$20,500.00 | \$19,475.00 |
| Machine Stand (Optional)       |   |                |             |             |
| 64PMI167                       | Machine Stand for PJ S                                      | \$788.00       | -           |             |
| 64PMI167                       | Machine Stand for PJ S                                      | \$788.00       | -           |             |

Prices effective through December 13, 2024



MeasurLink® ENABLED
Data Management Software by Mitutoyo
An XY axis digital counter

is built into the PJ-Plus



## Profile Projectors

### **PV-5110 Vertical (Downward) Profile Projector (5% OFF Main Unit & 5% OFF DRO)**

The PV-5110 Profile Projector is a downward optical axis projector fitted with stable glass stage for delicate item inspection, ensuring accuracy and preventing damage. Its advanced optics and secure platform make it an optimal choice for precise applications, particularly with thin or delicate workpieces.

- >ø19.4" screen, Vertical Projector
- > Downward Optical Axis Provides improved oblique surface illumination
- > LFD illumination
- > Built-In Dual Oblique Surface Illumination for improved contrast.

| Order No.   | Description                      | List         | Promo       |  |  |
|---|----------------------------------|--------------|-------------|--|--|
| PV-5110 Main Unit & Digital Readout Interface Packages - 5% Off |                                  |              |             |  |  |
| 304-919-11A-KA  | PV-5110 with KA Counter          | \$23,200.00  | \$22,040.00 |  |  |
| 304-919-11A-QM  | PV-5110 with QM Data             | \$25,580.00  | \$24,301.00 |  |  |
| 304-919-11A-QM-OPT  | PV-5110 with QM Data and OPTOEYE | \$27, 540.00 | \$26,163.00 |  |  |

No stand or elevated surface required\*



#### Additional DRO

QM Data: PH-3515, PJ-PLUS, PV-5110 & PJ-H30

The QM-Data200 unit features the powerful QM 2D coordinate measurement software pre-loaded onto our rugged user interface. The QMData200 interface features easy-to-use key operations and allows for measurement results to be visualized on its LCD Display.



Plot Single Data Points



- Return 2-Dimensional Graphic and Calculated Values
- > Built-In Guided Measurement Tutorials
- > Programmable Measurement Procedures &
- > Data Collection and USB Output
- > Full Integration and A2LA Calibration conducted by Mitutoyo Field Service team.

MeasurLink® ENABLED

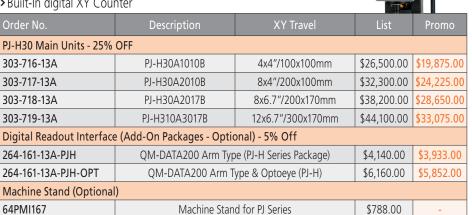


#### **PJ-H30 Vertical Profile Projector**

The Mitutoyo PJ-H30 is unique given its ability to produce an uninverted image, which improves the intuitive operation as the projected image appears in the same orientation as the workpiece.

- > Optical system with high NA lenses provides bright and high contrast images
- > The three-lens mounting turret includes a 10X lens as standard
- > Built-In digital XY Counter

303-716-13A & 264-131-13A-PJH-OPT





303-716-13A PJ-H30A3017B

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M³ Solution Centers (Showrooms): Locations (8 in total):

Total Number of Employees: Approximately 400

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