

---

## Executive Summary:

Omek Manufactures and Markets High-End OEM Industrial microscopes:

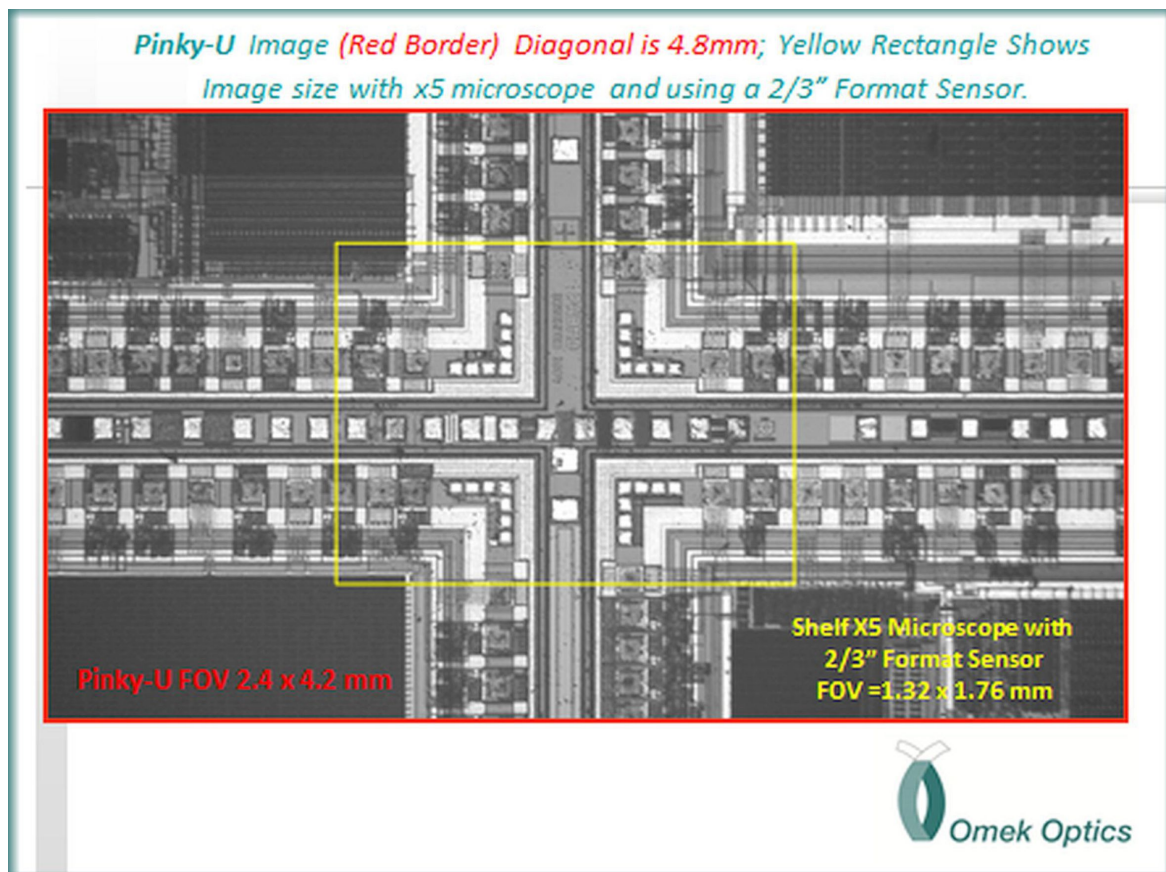
- The **Mic301** series is a Modular and Versatile design. Using a basic Main Body concept, Channels are easily changed and replaced (such as Tube Lenses and illuminations). Spectral Bands include VIS, NIR & **SWIR** (i.e. from 400-1700nm). Add-on Options Include: Laser Port, Spectrometer, Vibrometer, Fast Autofocus Sensor, Motorized 2-position Turret and more.
- The **Mic 401** Series does Not have all these modular options yet it is much more compact and lightweight.
- The New miniature **"Pinky"** (260 grams) with dimensions comparable to a Microsoft Mouse, yet with performance compatible to stand alone industrial microscopes and in some respects even better. Covers Object area **four times larger** compared to the competition at the same resolutions. **Includes all Add-on features of the Mic301.** The **Pinky** is fully telecentric and has null distortion. **Attractive for Metrology, Alignment and Navigation.**
- All Omek OEM industrial microscopes are integrated with Bright Field Kohler Illumination superior to all Illumination Channels designed by others in **Homogeneity, Symmetry and Power Yield** (i.e. enable reduced exposure time).



Figure 1: **Pinky-U**, The smallest Industrial microscope in existence. **Field of View four times** Larger than competitors. Delivered with LED source and CMOS Camera. Includes unique features.

1. The **Pinky** design is the smallest microscope in the world in this performance class. The highlights:
  - 1.1. Incredibly small and Light-weight (size comparable to a Laptop Mouse)
  - 1.2. Resolution equivalent to x5 microscope (NA 0.12).
  - 1.3. Enormous Field of View (Covers an area 4 times larger than standard x5 microscopes with 2/3" Format Sensors).
  - 1.4. Zero Distortion within the whole FoV.
  - 1.5. Telecentric on both ends.
  - 1.6. Includes an Aux. Port Option (for Auto-Focus, Laser-Port, Spectrometer or Vibrometer).
  - 1.7. Delivered with CMOS Camera and Bright-LED Kohler Illumination. (Option for ring Dark Field Illumination).
  - 1.8. Delivered with Polarizer/Analyzer/Filter Slots.

**Demonstrates Pinky Extremely Large Field of View Compared to Shelf Products.**



**Figure 2:** Image grabbed with Pinky Miniature microscope. Covers area four times larger than Shelf Microscopes with similar resolution.