

V3 - AOI DUO Loader Unloader

The Techno System V3 AOI DUO is a versatile, high-efficiency peripheral designed for seamless loading and unloading with any AOI system on the market. Equipped with two advanced 6-axis robots, it completes each cycle in under 10 seconds (excluding panel exchange), maximizing productivity and throughput.

- **Precision Alignment:** The V3 AOI DUO utilizes on-the-fly CCD camera recognition, ensuring precise panel alignment on the AOI table and minimizing alignment issues. This advanced recognition technology significantly reduces error rates, rates, increasing inspection production.
- **Optimized Inspection Process:** A horizontal vacuum table integrated with a roller cleaner minimizes false alarms during AOI inspections, enabling smooth and uninterrupted processing. The system's seamless integration protocol also allows real-time defect data to place the defective panels on different L racks or boxes, making them easily identifiable for operators.
- **Smart Defect Sorting:** The V3 AOI DUO provides full traceability, recording defect counts on both panel sides.

After completing the optical inspection, panels are sorted into two different L racks or boxes based on inspection results:

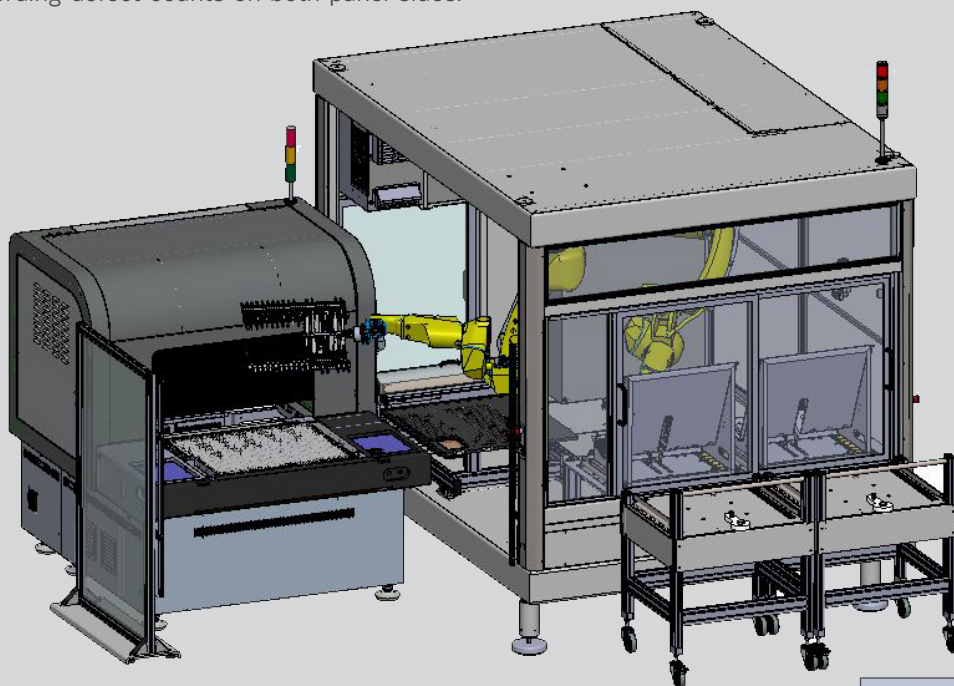
- o **L Rack/Box 1:** Holds panels with no defects, ready for the next production stage.
- o **L Rack/Box 2:** Stores panels with detected defects, flagged for the repair station.

This intuitive sorting streamlines workflows, helping operators quickly distinguish which panels require further attention.

- **Flexible Job Handling:** Capable of handling both inner and outer layers, the V3 AOI DUO accommodates multiple jobs within a single L rack. Operators can place separator sheets between different jobs, which the automation system recognizes and removes automatically, advancing smoothly to the next queued job.

- **Optional QR Code Identification:** An optional CCD camera enables QR code scanning, automating job identification and eliminating the need for manual job list generation. This feature ensures consistent QR code or Data Matrix application on inner layers, facilitating reliable traceability across all processed panels.

The Techno System V3 AOI DUO sets a new standard for efficiency, precision, and flexibility in AOI loading and unloading solutions, enhancing production line accuracy and ease of operation.



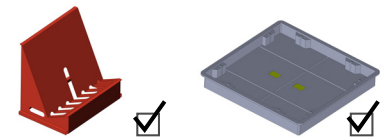
	Length	Width	Thickness
Max. Panel Size	610mm	530mm	3,2 mm
Min. Panel Size	450mm	350mm	0,5 mm

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Technical features

Main features	Loader / Unloader
Minimum panel size	450 x 350 mm
Maximum Panel size	510 x 610 mm (optional 610x610)
Minimum thickness	0,05 mm
Maximum thickness	3,2 mm
Nº of Cycles per minute	5
Stack Height on L Rack	165 mm
Stack Height on box	50 mm
Multiple Jobs	Yes
Automatic Exchange of L Rack	No
Use of Slotted Rack	O
Use of Horizontal Box	O
Use of L Rack	✓
Plastic Interleaves	✓

✓ = Included
O = Opcional
N = Not available



Dimensions

