



*Optical Laboratory Equipment  
Development and Manufacturing*

**PRODUCT PORTFOLIO**



AL SYSTEMS  
STACKER/DE-STACKERS

On the production floor at one of FEA INDUSTRIES' Optical Manufacturing Facilities

## STANDARD STACKER DE-STACKER

Highly reliable and high capacity system capable of processing **50 trays**. Intended for placement in-line with a lens processing equipment's internal conveyor. Capable of processing all types of trays as well as those with and without a paper travel ticket. Can be used as a pair or used individually, based on the laboratory needs. System requires minimum service and is intended for the long service life.



## COMPACT STACKER DE-STACKER

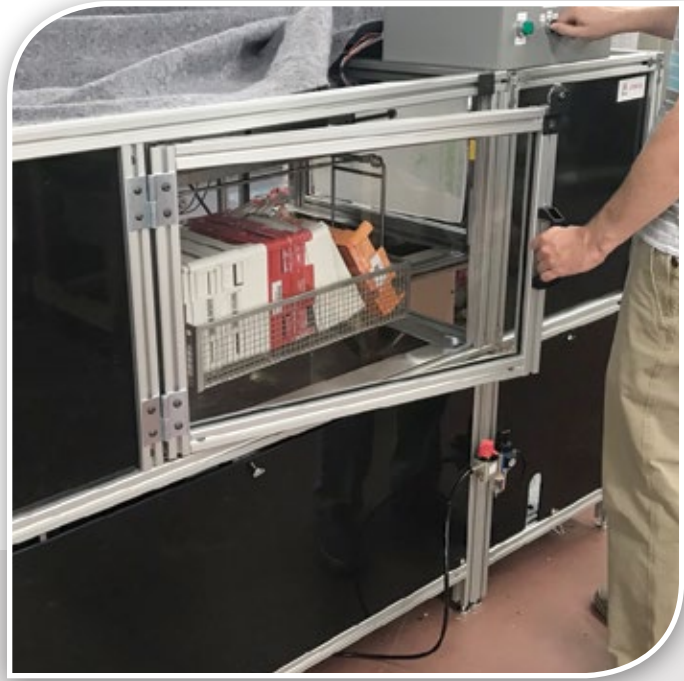
Pair of units with common parts and design philosophy which can flank your lens processing equipment such as a surface generator (shown) or polisher or laser marker, etc.

While being more complicated due to additional mechanisms, those system offer significant space saving and with their small foot print of 2 by 5 feet, they can fit into the smaller spaces.

## TRAY / BLOCK WASHER

The **AL SYSTEMS TRAY/BLOCK WASHER** provides a proprietary washing technology which uses a proprietary soap for cleaning (*available only through AL SYSTEMS*).

The cleaning technology utilizes an electro-chemical method for cleaning, so there is no direct contact with the trays. That means no tumbling, no scrubbing, and no brushing of the actual tray so it will be free from scratches.



## UV LASER MARKER

UV based, low power, and human safe, laser system. Clean marks without burns or residue to lens material. Fast & clear or barely visible marking as needed. Can be equipped with optional vision system for additional marking.

Fully compatible with DVI systems or OMA files. Air cooled, long service life laser, which works on any optical material. Automated lens handling, where lenses are processed in pairs or one at the time. System intended for in-line integration or can be used as standalone module.



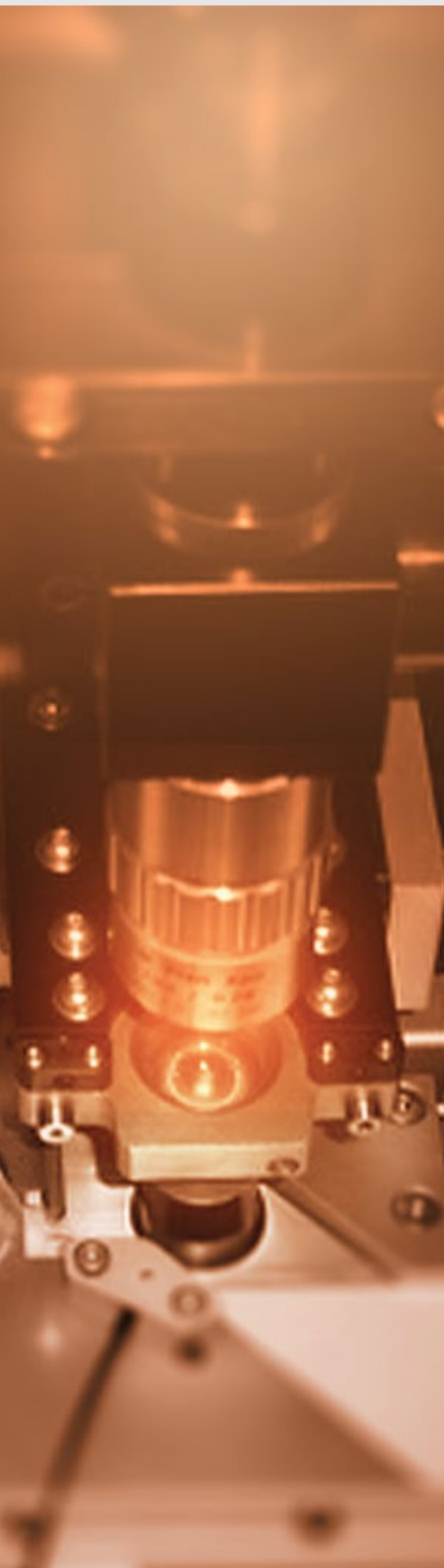
## ROBOTIC TRAY HANDLER

A compact alternative to tray logistics where space is a premium. Can be used with automated blank stock systems (RAX) or other compatible equipment. Fully automated front end of the lens processing where blanks to job disposing is fully automated.

Capacity of the 50 trays in stacks of 10 trays. No human intervention once queuing is complete. Small footprint, fully automated operation, and long service life. Can be configured to meet individual customer needs.







## WHAT IS **AL SYSTEMS**?

**AL Systems** is the company with vast experience in the laboratory automation and equipment areas. Our Mission is to provide excellent quality durable systems with short payback and significant labor saving.

We are fast growing company with strong multi-engineering basis and US based production facilities. Bring us your challenge and we will offer you our solution. No project is too small or too large for our team!

## ABOUT **AL SYSTEMS**

**AL Systems** was created by people with vast experience in the Ophthalmic Lab industry. Doing custom projects for Ocular Producers and Contact Lens Industries, **AL Systems** developed unique and vast engineering knowledge and experience in various areas such as **Automation, Machine Vision, Laser Markers, Lens Inspection Systems**, and many others.

We have been servicing industry needs for decades and have many installations throughout several lens-related industries around the world. Our customers include Essilor, Hoya, Analog Devices, Gentex and many others. We would love to see you and your company join our customers list.

## **AL SYSTEMS VISION / MISSION**

**AL Systems** wants to be your one stop solution for your laboratory automation needs. Whether it is complicated robotics system or simple tray handler we want your business and promise our equipment quality and durability like no other.

Our vision is from the small addition to the existing equipment to completely automated laboratory where hundreds of jobs a day can be ran by few qualified operators. Our systems means saving on real estate, labor and other business expenses. We want you to grow your business with our support.



**AL SYSTEMS Inc.**

217 YALE AVE.  
MORTON, PA 19070

[www.alsysllc.com](http://www.alsysllc.com)

TEL- 1 • 215 • 431 • 8935

