OVERVIEW

The Lanco Standard Tray Stacking Module is a modular device to vertically queue parts in tray format entering or exiting automation. The system is an alternative to bowl feeding and is ideal for tray accumulation to reduce operator tending. Parts handled by this method range from metal stock or machining blanks to delicate plastic parts and other high-production components.

MODULAR APPROACH

The Lanco Standard Tray Stacking Module is composed of standard modules, which combine to allow the unit to be used in a variety of automation environments. Join a pair of modules together for a completely automated stacking and de-stacking process. The open module top allows continuous replenishment and removal of trays during operation.

Tray Size Flexibility:
- Built to fit your tray size and matrix
- Components specified for your application parameters:
  ✓ Tray size and material
  ✓ Product weight
  ✓ Stack height / Tray autonomy

Stroke / Actuation: the core element of the system allows component trays to stack to a specified pitch.
- Engineered to fit your tray pitch
- Pneumatically actuated
- Tray capacity sensors included
- Operation sequence is gentle to trays during de-stacking and up-stacking

Modular Frame: Rigid extruded aluminum framing with guarding.
- Pre engineered frame
- Fully guarded
- Maintenance friendly accessibility
- Sized for your application

Lanco Transport: allows trays to travel between stacker modules and automation stations.
- Fully adjustable in width
- Floor or table mounted
- Tray location features available
  ✓ Pre-stops
  ✓ Edge reference
  ✓ Lift & locate
  ✓ Tray orientation verification

Control Module includes:
- Pre-programmed for modular operation
- Touch screen MMI with alpha/numeric display
- PFC with expandable I/O
- Device Net or Ethernet capability
- Remote-mounted for easy access
VERSATILITY
The Lanco Standard Tray Handling System can be combined with these automation elements.

Robotic Pick & Place Units
Lanco Handlers
Dial Tables
Lanco Pallet Transfer System

CONCEPTUAL SYSTEM

TECHNICAL SPECIFICATIONS

Tray Specifications
Min*: (WxLxH): 125 x 125 x 12mm (4.9” x 4.9” x 0.5”)
Max*: 610 x 915 x 100mm (24” x 36” x 4”)
Weight: 125 lb per stack (full capacity)
Edge-supportable and stackable
* Including but not limited to

Typical Footprint (Relative to Tray Size)
(WxLxH): 595 x 800 x 1250mm (23” x 31” x 49”)

Options:
• Ergonomic single point loading area
• Operator alert functions

PFC Control Unit (Remote-mounted)
Wago PFC Controller
8 inputs / 8 outputs; expandable

Operator Interface
Aromat GT-01 Touch Screen mounted in control enclosure

Utilities
Electrical: 110 VAC 60 Hz, 4 amp; others available
Air: 85 psig; clean, dry

Lanco: A Systematic Approach to Assembly

Learn more and get downloads by visiting our website:

www.lanco.us