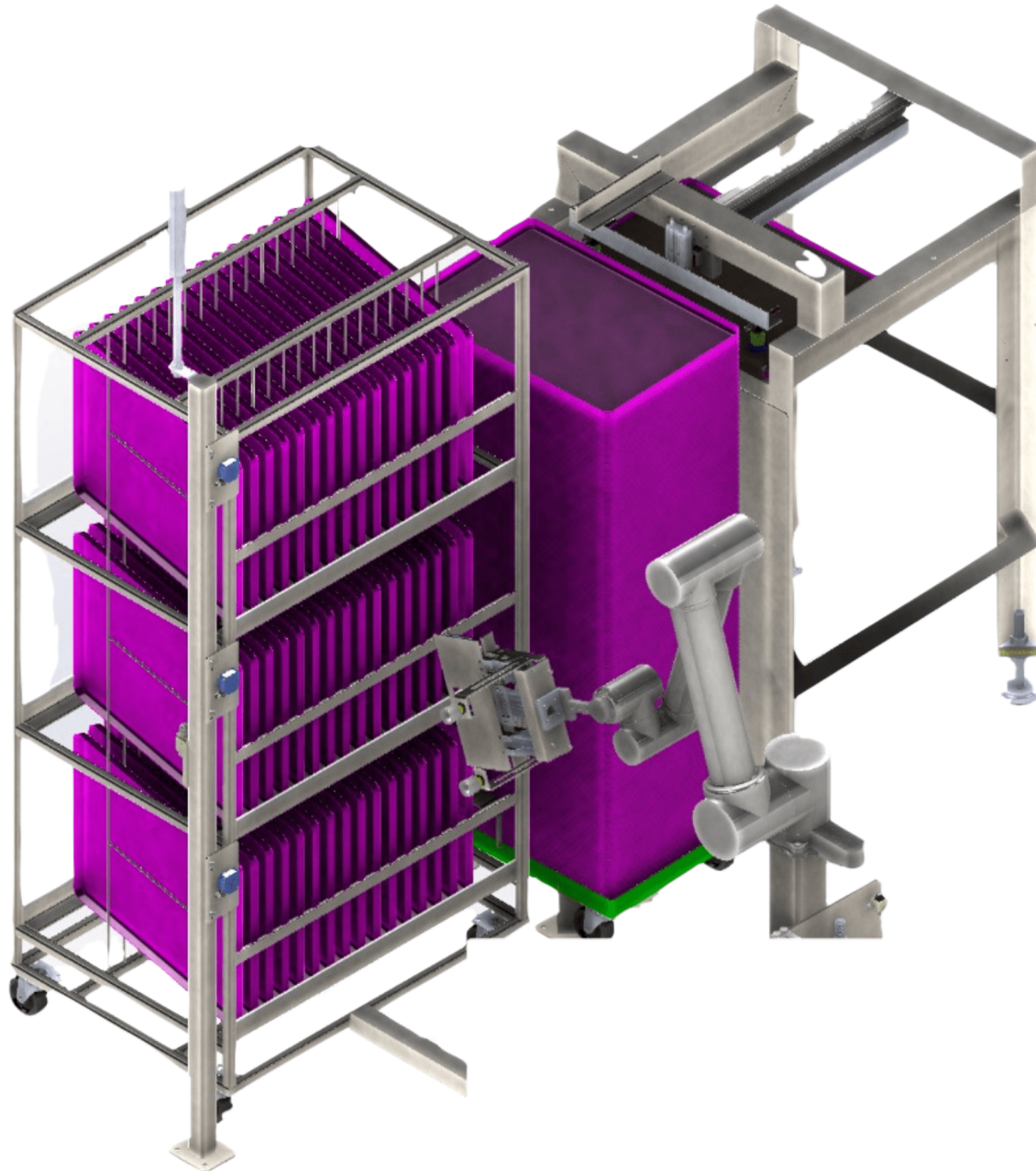


# COLLABORATIVE

## OPERATE NEXT TO EMPLOYEES



### **COLLABORATIVE:**

Robotray® Collaborative are robotic arms designed to operate next to employees and assist in repetitive manual tasks including sheet pan unstacking/stacking, rack unloading/loading, carton filling and box palletizing. Additional tasks include product depanning, decorating and pick-n-place manipulation.

Custom-made individual tooling with mechanical grippers and/or vacuum cups allow for precise and secure holding, fast retrieval and repeatably accurate movements. Interchangeable tooling allows for quick change-overs and efficient cleaning.

Machine mounted, Stainless Steel NEMA12 control enclosure with disconnect is standard. Controls include Omron PLC (if applicable), AC inverters and color touch screen OIT. Stack style flashing lights and annunciation alert attendant to change of operational status, such as when a rack is ready for removal.

# COLLABORATIVE

## OPERATE NEXT TO EMPLOYEES

### SPECIFICATIONS:

- 3D Laser Scanning for position and height
- Individual tooling with mechanical grippers and/or vacuum cups
- Interchangeable tooling for quick change-overs
- Stainless Steel and anodized aluminum construction
- Fastening directly to the floor or on pallet
- Stainless Steel NEMA12 control
- PLC control choices: AB or Omron or Siemens.
- Continuous recording of cycling performance with self-diagnostics
- AC inverters and color touch screen OIT
- Stack style flashing lights and annunciation alert
  
- **BASE SYSTEM MEASUREMENTS:**
  - **WIDTH:** 272.52cm/107.29in
  - **LENGTH:** 237.19cm/93.38in
  - **HEIGHT:** 266.121cm/104.77in
  
- **ELECTRICAL SPECIFICATIONS:** 208-240 Volts / 50-60 Hz / 3-Phase
  
- **BASE SYSTEM WEIGHT:** 492 Kg /1085.07lbs

### BENEFITS:

- Eliminate Labor
- Reduce workmans' comp costs
- Prevent employee litigation expenses
- Increase production. Higher run rates
- Compact. Space saving designs
- Flexible. Expandable capabilities
- Open Frame. Easy to clean & maintain
- Fast Payback. ROI of less than 18 months

### FUNCTIONS:

- Paper placer
- Tray Unstacking/Stacking
- Rack Unloading/Loading
- Carton filling and box palletizing
- Dough scoring
- Product Depanning
- Cake + Cupcake Decorating
- Pick-n-place manipulation
- ... & much more



*Check the Video!!*