

Model TL200 Tray Loader



S P E C I F I C A T I O N S

FANUC LR Mate 200iC 6-axis robot with controller and color teach pendant
300mm square or 300mm x 350mm long tray size
Mechanical gripper and vacuum tooling included with part sensing
Machine tool quality base with sheet metal guarding and operator viewing windows
12" color touch screen operator interface
Tray conveyors with storage for 3 full/3 empty trays
Up to 20 parts per minute (no weighing)

Specifications subject to change without notice. Please contact ACE for application suitability.

O P T I O N S

- Intermittent or 100 percent part weighing with pass/fail operation includes display and part setup of weigh parameters on operator interface
- Automated Die Punch cleaning via powered mechanical brush
- Press fill compensation includes servo belt driven actuator and user selectable compensation scaling
- Auto-change tooling with tool rack. Required for automated die punch cleaning
- Servo rotary. Used for radial part orientation during placement
- Sample part disc
- Machine Riser (required for taller press installations)
- Other tray sizes available up to 300mm x 450mm
- Ethernet connection for remote factory support
- Programmable Limit Switch (required for press interface)

The ACE Model TL200 Tray Loader is a flexible small parts handling system used for palletizing delicate parts onto carbon, ceramic or graphite trays prior to firing in a furnace. This system uses the latest in 6-axis robot technology to provide years of trouble-free service.

FEATURES

- Graphical part recipe setup
- Fault/status messaging
- User-selectable intervals for manual die cleaning
- Swing-away tray conveyors
- Large easy open operator access door
- Three-mode operation
 - Pick/Place
 - Pick/Invert
 - Pick/Lay-down
- Part weighing (optional)
- Press compensation (optional)

BENEFITS

- Part recipes are easily added by graphically selecting part shape, nesting pattern, tray shape and placement voids.
- Displayed for operator use in troubleshooting and setup.
- Provide timely die cleaning, resulting in improved part yield. Countdown feature alerts operator prior to machine stoppage.
- Easy access to die set for tooling changes.
- Provides quick and easy access to robot, tray and press area
- Flexibility in part placement on tray.
- Provides quality check at the press.
- Allows automatic adjustment of press fill depth based on part weight, eliminating operator intervention.



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