

ATLAS TECHNOLOGIES

Atlas End of Line Part Handling Systems are a proven high speed conveyance device. Deployed after the last press, it reliably serves multiple racking stations simultaneously.

End of Line Part Racking Systems



In this typical three station application, a two-position reciprocating shuttle always has an empty side standing ready at the run-out conveyor to pick up the next part while the other side of the shuttle delivers a part to an unload station. Parts can be passed through to a center station without being shuttled.

Benefits

- Increase press line productivity
- Improve part flow and traffic at the end of the press line
- Improve part quality
- Reduce dependency on fork trucks
- Improve the ergonomics of loading part containers
- Reduce material handling manpower





Features & Specifications

FEATURES

- Modular design
- Runout conveyor, shuttle conveyor and packout trays are included
- Double unattached part capability
- Runout conveyor can be adjustable for height and width
- Indexing is controlled by motion controllers and PLC's
- Part sensors on conveyors
- Part rack turntables are available
- Fluorescent lights over each pack-out tray for better visual inspection
- Optional center station adds flexibility for low and high speed operations
- Robotic racking of finished parts available
- A more compact design incorporating a shuttle that rotates slightly at the end of its travel, permits rack turntables on the floor with a reasonable footprint
- Vision systems for use with robotic applications
- Robot reach and simulation studies



Transfer press cell application. The fast shuttle system gives operators two to three times more time to do an initial online inspection of each part, without compromising cycle rates.

SPECIFICATIONS

Transfer press manual load EOL system is capable of handling 16 parts per minute (32 double unattached).

Tandem press manual load EOL System is capable of handling 12 parts per minute (24 double unattached).

Actual production capacity is dependent upon press speed, dies and part sizes.

Custom applications from standard designs

Low profile turntables with flush decking eliminate operator hazards from fork truck traffic and allow 2 racks to be pre-staged, thereby increasing productivity.



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