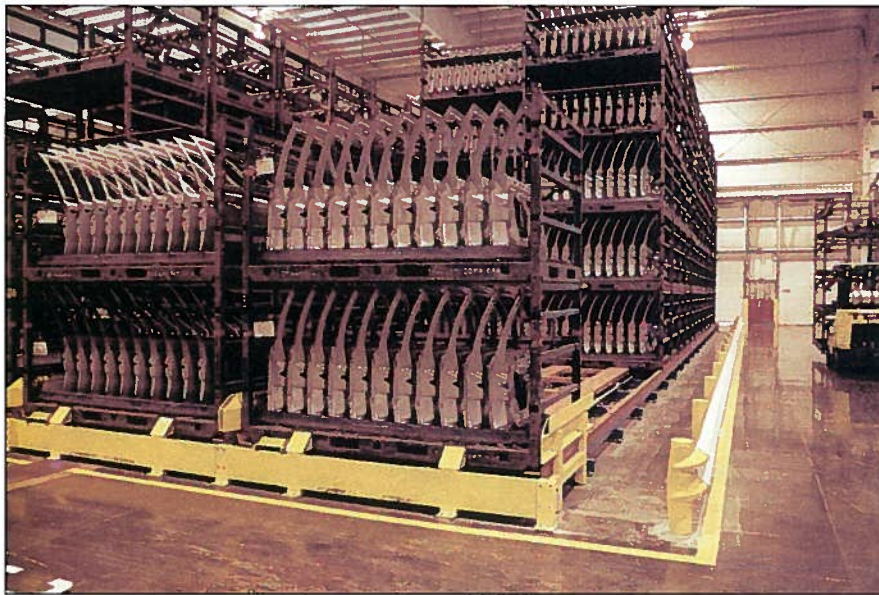


# INDEXAIR LINEAR CONVEYOR



**AUTOMATED SYSTEMS INC.**

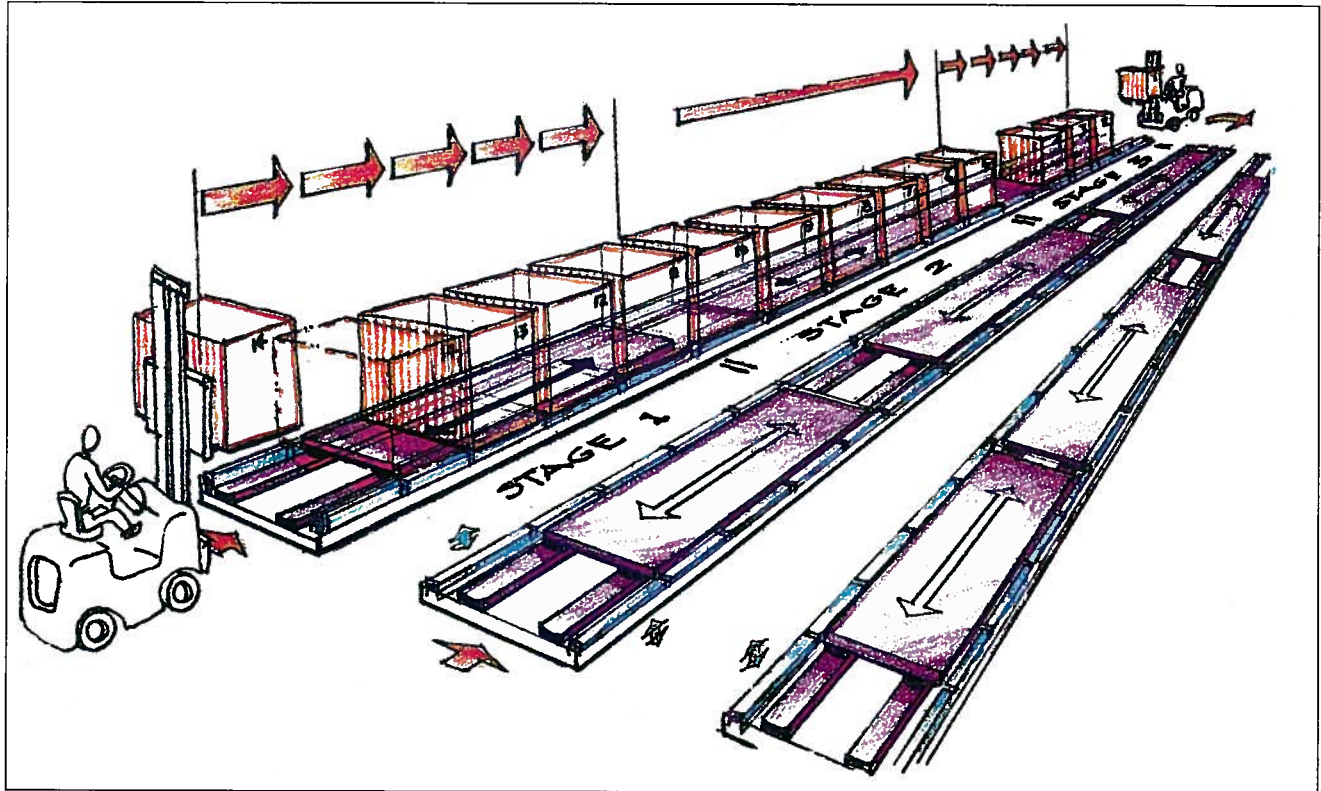
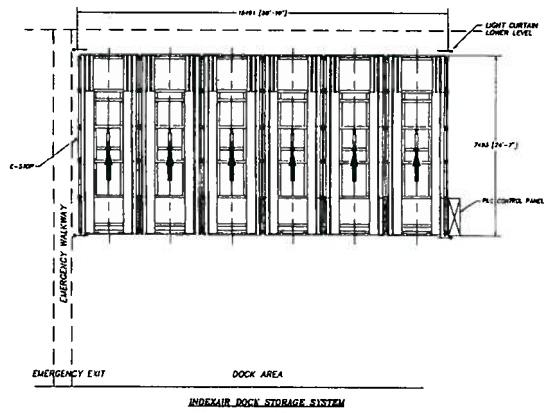
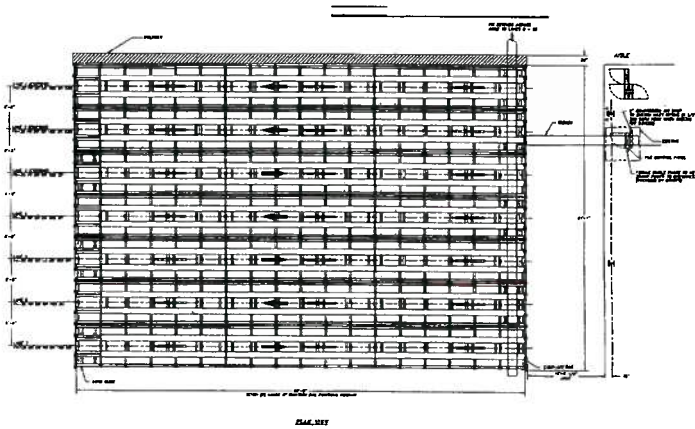
SAILRAIL AUTOMATED SYSTEMS INC. 6-3200 14th Avenue, Markham, Ontario L3R 0H8 Phone (905) 948-1500 Fax (905) 948-1501



For warehousing, dock, production, and assembly operations, SailRail IndexAir Linear Conveyors automatically provide lower and carry rack linefeeding and rack indexing for a wide variety of applications including dock storage and walking floor applications. These Linear rack conveyor systems utilize the SailRail patented air-film technology to provide safe, quiet, clean and controlled movement with few moving parts.

An air-film “floats” a horizontal pneumatically powered reciprocating transportation bed, which is capable of indexing groups of containers simultaneously. IndexAir lower and carry rack linefeed systems provide total or zone accumulation with zero pressure and complete footprint support.

IndexAir Linear conveyors interface with fork trucks, automated wire guided vehicles, robotic pick or place, jogs, tilts and turntables.



## INDEXAIR LINEAR CONVEYOR FEATURES AND BENEFITS

- **Maintains assembly line up-time**
- **Conserves valuable plant space** and reduces congestion
- **Safe, quiet, clean and ergonomically designed** - fully guarded with special attention to pinch points - operates well below allowable decibel levels.
- **Low maintenance** requirements due to no mechanical bearings or rotating parts and very few lubrication points.
- **Unique load footprints**, which are difficult for conventional conveyors, are easily handled by IndexAir.
- **Zero pressure zone accumulation** - maintains a 6" space between all unit loads being conveyed.
- **Fully automatic operation by PLC** - with manual override controls.
- **Low profile, rugged construction** - no pits required - Overall height of only 13".
- **Minimizes container handling time** and fork lift travel and increases efficiency.
- **Wide weight range capability** - handles weights up to 750 lbs/linear foot.
- Ensures no relative motion occurs between IndexAir transfer bed and the unit loads, thus **eliminating load jams, product damage and equipment damage**.
- **Shock absorbing carrier** - shock largely absorbed by SailRail patented compliant runners and pneumatic lift tubes to isolate mechanical impact stresses.
- **Modular design** incorporates the very best of functional reliability, performance and flexibility.
- **Highest quality materials, manufacturing equipment and workmanship** as well as dedicated engineering and project management teams will ensure complete turnkey project satisfaction.