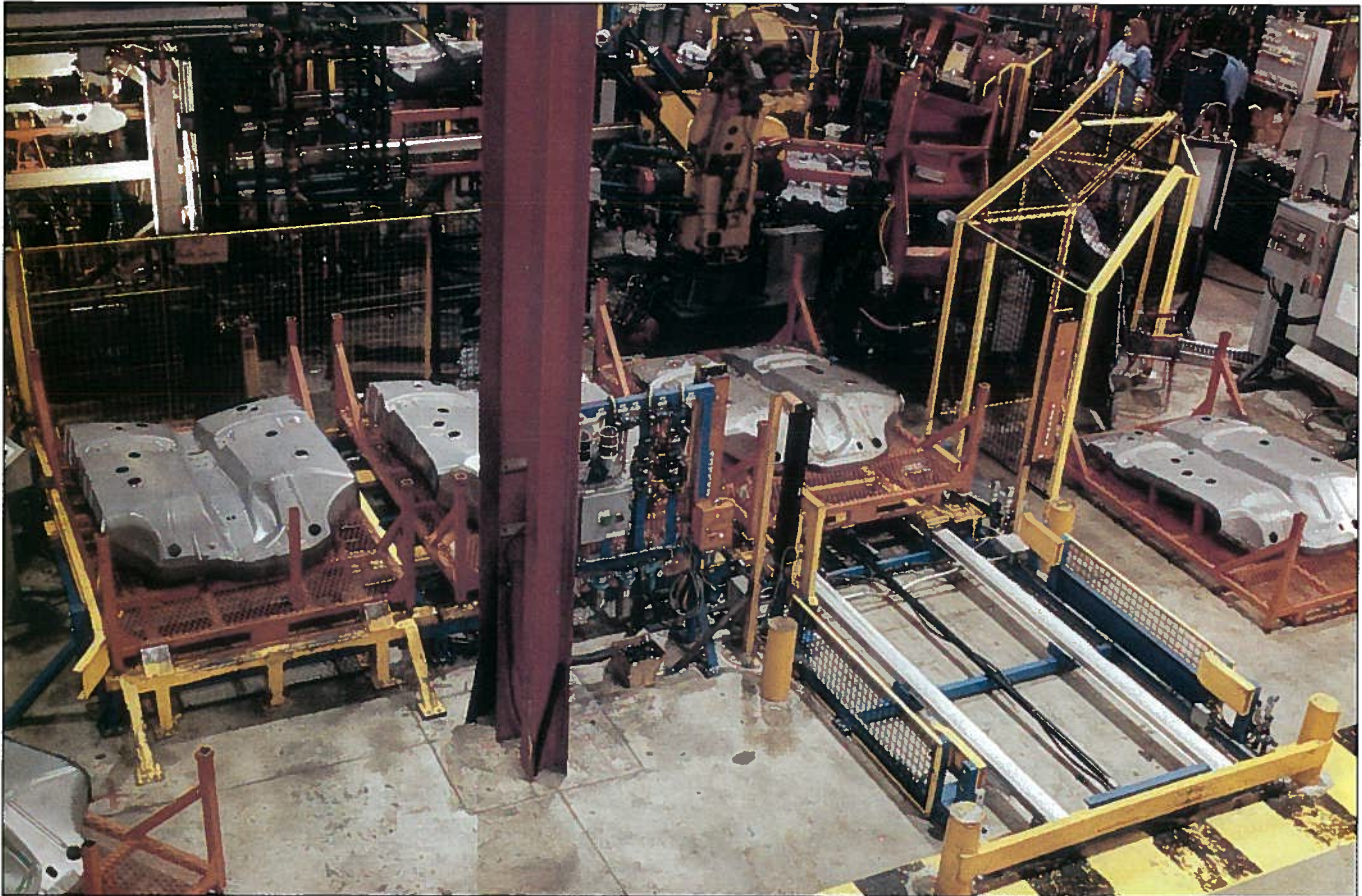


# INDEXAIR L-SHAPE

# SAILRAIL®

**AUTOMATED SYSTEMS INC.**

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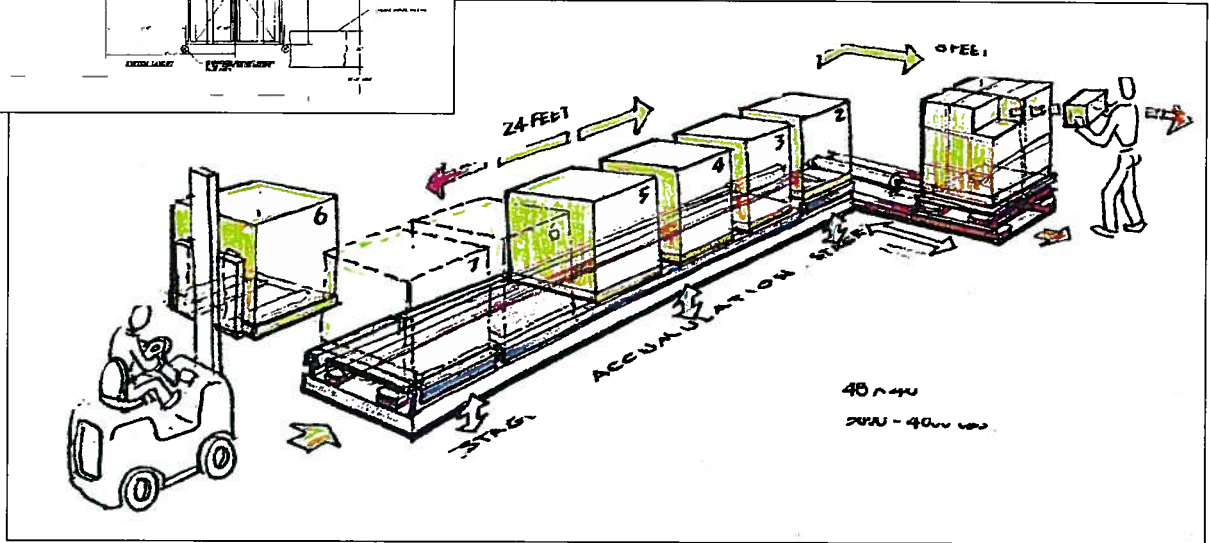
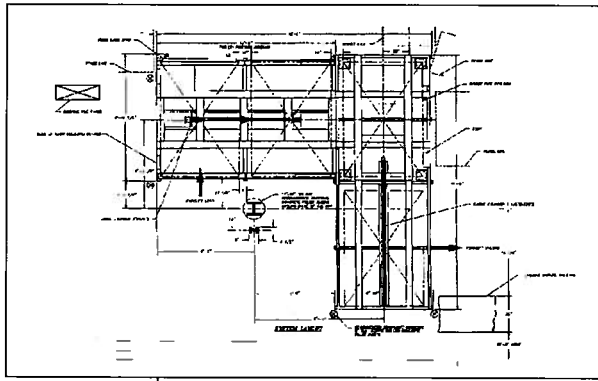


IndexAir L-Shape machines consist of two lanes with one 90° transfer. These L-shape rack handling systems utilize the SailRail patented air-film technology to provide safe, quiet, clean and controlled movement of racks with few moving parts.

An air film “floats” a horizontal pneumatically powered reciprocating transportation bed, which is capable of indexing groups of racks simultaneously. The L-shape is an excellent choice in areas of limited available linefeed or machine/robotic feed space.

IndexAir L-Shape machines automatically provide lower and carry rack linefeeding with zero line pressure zone accumulation and complete footprint support. Applications include: assembly linefeeding, machine/robotic feeding and manufacturing cell supply. L-Shape machines automatically present full racks to the workstation and remove empties while providing the operator or robot with a buffer of racks.

L-Shape machines provide rack location accuracy necessary for robotic interface and are available with optional lifts, jogs, tilts and turntables.



## INDEXAIR L-SHAPE FEATURES AND BENEFITS

- **Maintains assembly line up-time** - reduces requirement for demand service by providing a container buffer accumulation at point of linefeed.
- **Assembly operator efficiency is increased** by reducing waiting time and by having loads travel to operator instead of operator travelling to loads.
- Accurate and reliable load positioning facilitates **interfacing with robotics and dedicated automation.**
- **Safe, quiet, clean and ergonomically designed** - fully guarded with special attention to pinch points - operates well below allowable decibel levels.
- **Conserves valuable plant space** and reduces congestion.
- **Zero pressure full accumulation** - maintains a 6" space between all unit loads being conveyed.
- **Modular design** incorporates the very best of functional reliability, performance and flexibility.
- **Fully automatic operation by PLC** - with manual override controls and **Dual Direction Capability.**
- **Low preventative and demand maintenance requirements** due to no mechanical bearings or rotating parts and very few lubrication points.
- **Increases robotic and automated assembly tooling** throughput up to 20%.
- Shock absorbing carrier - shock loading absorbed by SailRail patented compliant runners and pneumatic lift tube devices **eliminating potential damage to equipment or product.**
- **Employee Safety increased** by eliminating fork lift movement and container handling adjacent to the assembly line.
- **Reduces fork lift travel** - empty racks can automatically accumulate back to aisle.
- **Unique load footprints**, which are difficult for conventional conveyors, are easily handled by IndexAir.
- **Wide weight range capability** - handles weights up to **750 lbs/linear foot.**
- **Low profile, rugged construction** - Overall height of only 13".
- Ensures no relative motion occurs between IndexAir transfer bed and the unit loads, thus **eliminating load jams, product damage and equipment damage.**
- **Highest quality materials, manufacturing equipment, workmanship as well as dedicated engineering and project management teams** will ensure complete turnkey project satisfaction.