

INDEXAIR OVER/UNDER



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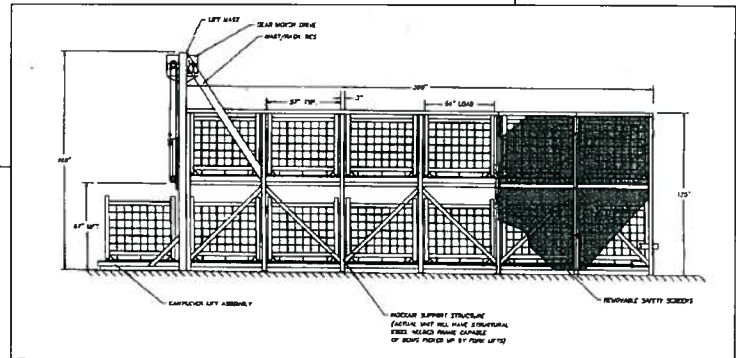
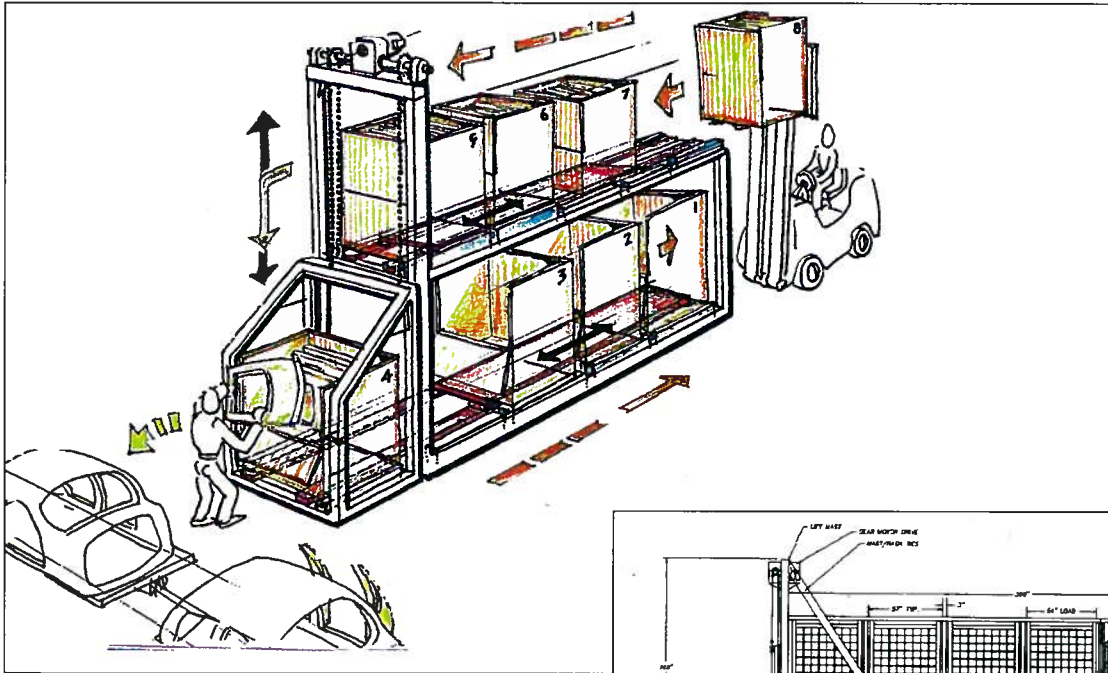


Ideal for manufacturing, production and assembly linefeed operations, IndexAir Over/Under machines provide a continuous uninterrupted supply of racks to the assembly line under operator control.

IndexAir Over/Under machines incorporate two IndexAir lanes one over the other with a vertical lift. Empty racks are indexed over top of full racks being linefed. Rack handling time is minimized through dual cycle fork lift operation. Deadheading is eliminated.

These Over/Under 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 large groups of containers simultaneously.

IndexAir Over/Under machines conserve valuable floor space adjacent to the assembly line by utilizing available air rights available with tilts and turntables, variable pick height and floor flush walk-in capabilities. Cycle times of 32 seconds are provided.



INDEXAIR OVER/UNDER FEATURES AND BENEFITS

- **Maintains assembly line up-time** - reduces requirement for demand fork lift 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, gantry robotics and AGV's.**
- **Dual direction operation is provided.**
- **Safe, quiet, clean and ergonomically designed** - fully guarded with special attention to pinch points - operates below allowable decibel levels.
- **Conserves valuable plant space** and reduces congestion.
- **Low preventative and demand 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.
- **Low profile, rugged construction** - Overall height of pick position only 12".
- **Wide weight range capability** - handles weights **up to 750 lbs/linear foot.**
- **Highest quality materials, manufacturing equipment, workmanship as well as dedicated engineering and project management teams will ensure complete turnkey project satisfaction.**
- **Employee Safety increased** by eliminating the fork lift container handling adjacent to the assembly line.
- **Reduces fork lift travel** - empty containers can automatically accumulate back to load position.
- Ensures no relative motion occurs between IndexAir transfer bed and the unit loads, thus **eliminating load jams, product damage and equipment damage.**
- **Zero pressure full accumulation** - maintains a 6" space between all racks being conveyed.
- **Modular design** incorporating the very best of functional reliability, performance and flexibility.
- **Fully automatic operation by PLC** - with manual override controls.
- **Shock absorbing carrier** - shock loading absorbed by SailRail patented compliant runners and pneumatic lift tube devices eliminating potential damage to equipment or product.