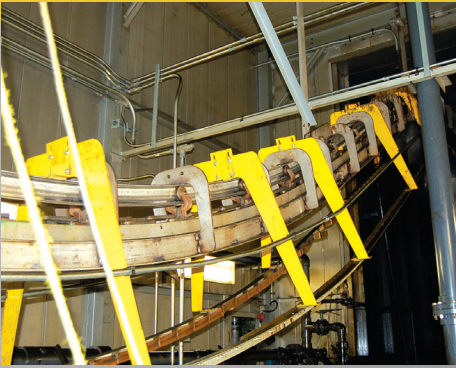


# POWER AND FREE

THE FLEXIBLE SOLUTION FOR FINISHING OPERATIONS



## POWER AND FREE SYSTEMS:

Therma-Tron-X designs, builds and installs power and free conveyor systems of any size and complexity. A power and free conveyor fully automates your manufacturing process and efficiently transfers product between manufacturing, finishing, and final assembly/shipping areas. It can allow the load/unload to be stationary while the rest of the products that travel in the free track remain in motion. If used with SlideRail Square Transfer® technology, loads are grouped for high density through E-coat primer, then ungrouped to expose parts for subsequent applications.

The power and free conveyor consists of interconnected power track and free track channels. A constantly moving drive chain propels product carriers through the system. When stopped, the carrier idles in the free rail beneath the chain. When the load is released, the chain re-engages with the carrier and pulls it to its destination. Switches can also direct carriers onto different conveyor lines, making power and free conveyors extremely versatile.

TTX's hydraulic or electrical lowerators are available to assist in the loading/unloading of parts. They are equipped with double lifting straps for safety.

Contact a TTX sales engineer to learn more.

## BENEFITS:

Monitored and managed by programmable logic controllers, power and free conveyors allow for on-line accumulation and optimal processing flexibility. Diagonal banking minimizes oven, cooling station and staging sizes by accumulating multiple loads in smaller spaces. Variable speed capability allows for high speed transfer and low speed processing.

## ADVANTAGES:

- Diagonal banking minimizes floor space
- Can be inverted to sit on the floor, minimizing part contamination
- Conveyor switching allows for multiple process decision capability
- Variable speed capacity allows for high-speed transfer
- Stops for loading and unloading
- Part tracking and data management

Power and Free systems offer versatility and flexibility.





### PRACTICAL APPLICATIONS:

Power and free conveyor systems are ideally suited for industrial applications that require maximum versatility and efficiency. They provide direct control for each and every load and are best suited for lines where products need to be routed through multiple spray booths. They are also used when non-synchronous movement is required.

### COST EFFECTIVENESS:

Every TTX material handling system is unique in configuration, load, and process requirements. Because power and free systems stop for loading, unloading, and processing, less manpower is needed, making it a more efficient system.

### YOUR BEST FINISH STARTS WITH US

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