



## ELECTROCOATING SYSTEMS:

Therma-Tron-X's is the world leading manufacture of E-coat equipment. TTX's patented designs and technological advancements in electrocoating have revolutionized the industry. From the footprint to the material handling; from tank construction to the chemical feed, TTX designs systems to specification.

TTX customers choose electrocoating because of its versatility and durability. Immersion ensures 100 percent coverage of complex parts, as well as uniform thick-ness with no runs or sags. This in turn ensures superior corrosion protection. Consistent, controlled application nearly eliminates the need for manual touchups.

Approximately 98 percent of automobiles produced worldwide are primed with electrocoat and there are thousands of electrocoat tanks installed around the world.

Contact a TTX sales engineer to learn more.

## BENEFITS:

TTX engineers think outside the box to uniquely design a system. Electrocoating is one of the least expensive finishes available, and is an economical way to paint high volume parts. Electrocoating utilizes 95-99 percent of the coating, making it a green technology.

## TTX E-COAT SYSTEMS:

- SlideRail Square Transfer®
- Econ-E-Coat
- Custom E-Coat Solutions
- Monorail
- Programmable Hoist
- Power And Free Conveyor
- All Other Conveyor
- Custom Combinations





**PRACTICAL APPLICATIONS:**

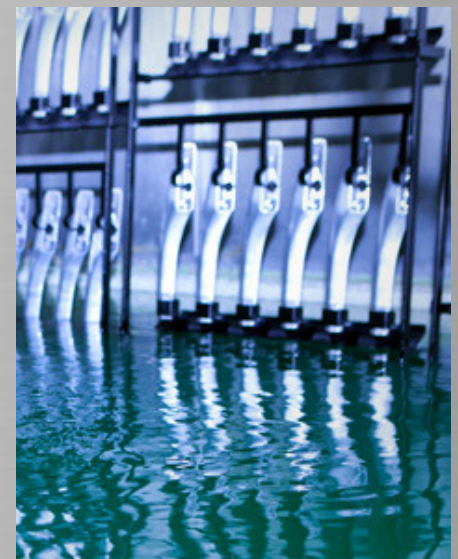
Due to its ability to coat complex parts, electrocoating is used as a way to coat a variety of products like transformers, metal office furniture, fixtures, screws, automotive parts and marine components. High density racking and sophisticated material handling for small to very large part packages sets TTX E-coat systems apart from its competitors.

**COST EFFECTIVENESS:**

TTX E-coating systems are equipped with an array of energy conserving features. They are designed to enhance paint circulation without clumping, settling or foaming. TTX systems allow users to maximize through-put while still achieving an even coat. TTX engineers evaluate your system and standardize components, reducing spare parts requirements and streamlining upkeep.

**YOUR BEST FINISH STARTS WITH US**

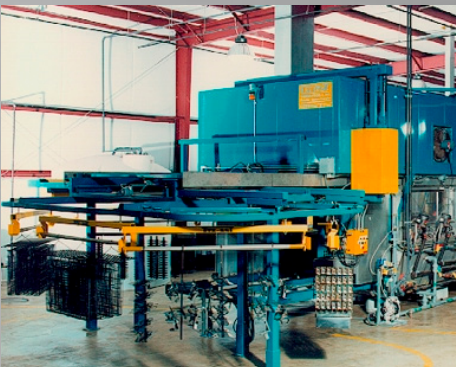
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# ECON-E-COAT

FOR SMALL FOOTPRINT ELECTROCOATING



## ECON-E-COAT SYSTEMS:

Introduced in 1990, the Therma-Tron-X Econ-E-Coat system offers high density throughput and has similar features to the TTX SlideRail Square Transfer® system, but in a smaller work envelope. Specifically designed to be portable, the modular unit can be relocated easily. The Econ-E-Coat system provides the same high quality and durability as the SST®, with many having accumulated more than 100,000 hours of operation.

Contact a TTX sales engineer to learn more.

## BENEFITS:

Not only does the Econ-E-Coat fit into a small space, its compact shipping size makes it easy to relocate. The Econ-E-Coat system comes complete with all the necessary components and is easy to install. In addition, design flexibility allows TTX to modify the Econ-E-Coat to suit the customers exact process requirements.

## FEATURES AND SPECIFICATIONS:

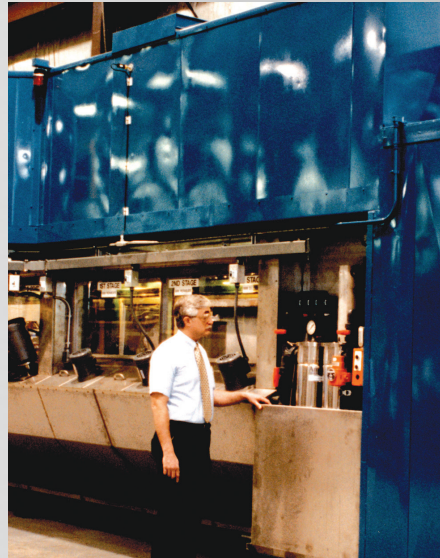
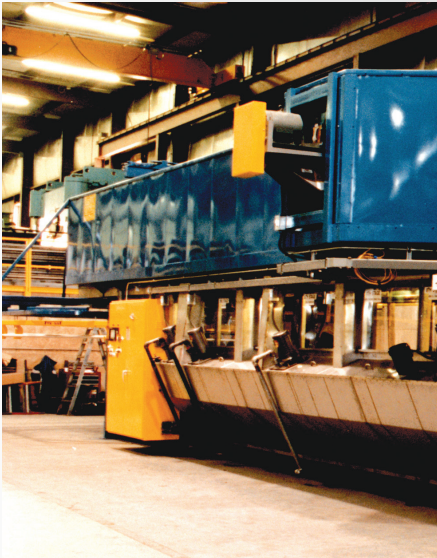
- Shipping size: semi-trailer/ocean container
- Indexing monorail carousel load/unload conveyor loop
- Automatic transfer from load/unload stations
- Automated SST® material handling system
- Coating capacity: 50-150 square feet per load, up to 3,000 square feet per hour, 6 million square feet per year per shift
- Multi-stage phosphate or conversion coating pretreatment system
- Immersion anodic or cathodic E-coat paint application with ultra-filtration, temperature control and rectifier
- Automatic paint feed based on square feet of surface processed
- 3 stage recirculated immersion post rinse
- Glass-enclosed pretreatment, E-coat and post rinse section provides improved safety and better plant environment
- Bottom entry/exit dehydration/cure oven is mounted above the tank section
- Forced-air cooling tunnel
- Integrated utility area for hydraulic unit
- PLC controlled with color HMI touch screen.

Available support equipment can include:

- Batch or continuous-flow wastewater treatment system
- Reverse osmosis water generation unit
- Automatic chemical feed for the pretreatment section
- Process data management system







### PRACTICAL APPLICATIONS:

A flexible machine with a small footprint, the Econ-E-Coat is all-inclusive and utilizes the patented SlideRail Square Transfer® material handling system. The Econ-E-Coat handles high density electrocoating, autodeposition coating, pretreatment and heat treating operations with ease.

### COST EFFECTIVENESS:

Electrocoating itself provides total coverage and is ideal for high productivity, uniform coating and low rejection rate. Due to the Econ-E-Coat's small footprint, ease of maintenance and overall system reliability, TTX's proven technology has enabled many shops to do their own finishing work. This reduces supply chain time and logistics costs.

### YOUR BEST FINISH STARTS WITH US

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