



Your Best Finish Starts With Us!







**TTX**  
ENVIRONMENTAL



# THERMA-TRON-X, INC.

## HISTORY:

Therma-Tron-X Inc., a family owned and operated company, was founded in 1971 as a manufacturer of custom-built industrial ovens. Today TTX is a leading, internationally renowned supplier of complete finishing systems. From pretreatment to cure, TTX will automate every step and integrate the right finishing system with your facility.

At Therma-Tron-X, innovation is the driving force for continued improvement. TTX's experienced, committed team is qualified to meet your specialized needs. The TTX staff is made up of talented individuals that consistently bring fresh ideas and well honed skills to the table. The TTX engineering department employs a diverse group of people, each uniquely suited to meet the requirements you set forth. At TTX, dedication and pride ensure quality, reliability

and knowledgeable customer service.

## FACILITIES:

Cutting edge technology and modern facilities allow TTX to fabricate the equipment needed for a system in house. Design and manufacturing facilities are located on-site to ensure seamless communication through all project phases. In addition, TTX has multiple aircraft and a hanger nearby, making it easy for installation crews, technical service personnel and clients to travel to and from our northeastern Wisconsin location.

## PRODUCTS AND SERVICES:

TTX builds E-Coat, autodeposition, powder and liquid paint systems for hundreds of dedicated product manufacturers and contract shop coaters. TTX's product line includes many proprietary technologies like our patented Slide-

Rail Square Transfer® system, which have revolutionized the industry.

TTX is a global company with small town values. When you purchase a TTX system, you get complete engineering support, evaluation, testing, design, fabrication, installation, start-up and field service with the continued support from our in house service group. TTX is a turn-key equipment supplier.

TTX has built more than 2800 systems of every type. Among them are:

- More than 200 SST® electro-coat/powder machines both with and without additional topcoat capability
- More than 400 continuous and power and free monorail finishing systems for both liquid and powder application
- More than 100 tank and hoist systems using both programmed controls and manual operation.



## TTX E-COAT SYSTEMS





# TTX ENVIRONMENTAL

## TTX ENVIRONMENTAL:

TTX Environmental, a division of Therma-Tron-X, Inc., has been working since 1985 to develop waste-water treatment systems that minimize the operational costs and environmental impact of industrial processes. TTX Environmental uses waste-water minimization technologies and process bath reclamation to help bring your plant into compliance with federal, state and local discharge standards. TTX Environmental specializes in chemical precipitation, metal sorption, ion exchange and membrane separation.

TTX Environmental waste-water treatment systems recycle acids, neutralize waste streams, remove metals, detackify paints, clarify output water and de-water solids for disposal.

TTX Environmental systems can be operated on a batch or continu-

ous basis, depending on the needs of the end user. More than 300 water and waste treatment systems have been installed for both finishing system support and in stand-alone applications

TTX Environmental focuses exclusively on water and waste-water treatment products, paying close attention to changing regulations and new environmental concerns. Engineers from TTX Environmental evaluate your water source and waste-water stream before recommending the best water conditioning and waste-water system for you.

TTX Environmental waste-water treatment systems reduce water use and sewer costs and require minimal manpower to operate. A wide variety of modular system components are easy to install and provide flexibility for future expansion.



## WATER AND WASTE-WATER SYSTEMS:

Reverse Osmosis Units  
Filter Presses  
Clarifiers  
Mixers  
Pump Skids  
Iron Removal Units  
De-ionization Units  
Water Reclamation Units Using TrueBlue™ Technology

TTX's Finishing Systems and TTX Environmental serve a variety of industries such as:

- Automotive Industry
- Appliance Industry
- Construction Industry
- Agriculture Equipment Industry
- Military Industry
- Hardware Industry
- General Industry



REVERSE OSMOSIS



WASTE TREATMENT



WATER RECLAMATION



# TTX STEPS 1

## EVALUATION

TTX's sales engineers are always looking for new and innovative ways to apply advanced surface treatments and finishes to metal products. They search for solutions to make your finishing process more productive and cost effective while reducing labor costs and environmental impact. They consider your paint process, space requirements, part size and production goals when putting together the most efficient design for your finishing system.

IN this phase, TTX engineers design each component of the sys-

## DESIGN

tem. Per your specification, each project is systematically developed with every detail accounted considered. TTX specialist work closely with your facilities team to ensure that the equipment is built to meet your every need. TTX's years of experience, commitment to problem solving, innovated thinking and excellent work ethic incorporate to create a package that is going to maximize you pro-

TTX's state of the art facilities allow for seamless communication between the design phase and fabrication phase. TTX fabricators are skilled craftsmen that pride themselves on creating products

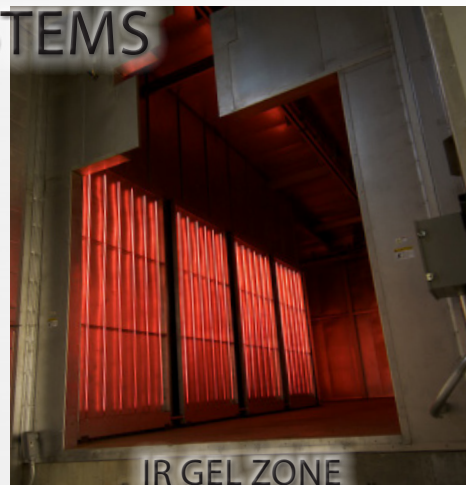
## FABRICATION

that stand out in our industry and are known for reliability, durability and efficiency. Therma-Tron-X is equipped with the latest fabrication tools, enabling precise and superior workmanship.

## TTX POWDER COAT SYSTEMS



ENVIRONMENTAL ROOM



IR GEL ZONE



# TO SUCCESS

**AN** experienced project engineer oversees your job from design to installation. These engineers work closely with the designers, fabricators and the dedicated installation crew that brings your system to completion. TTX teams bring the expertise needed to every step of the operation and you can be assured that they will pull it all

## INSTALLATION

together meeting your delivery requirements. TTX customers can take great pride in the ownership of a new state of the art system.

**AFTER** your system is installed, TTX is there to help you get up and running smoothly, making adjustments to ensure that all system components will perform efficiently. Therma-Tron-X project engineers also train your personnel, giving them the ability to better troubleshoot and maintain your equipment. TTX works closely with paint and chemical suppliers to ensure a smooth start-up.

## START UP & TESTING

**TTX** ensures the highest productivity rates for their customers. The Therma-Tron-X service department is quick to help with any problem that comes up. Rapid response from TTX's highly trained in-house service staff gives our clients the security and support they need. Most spare parts are readily available and can be shipped at a moment's notice. Trouble shooting specialists are available by phone to walk you through a situation. TTX is your trusted supplier.

## FIELD SERVICE



## TTX LIQUID COAT SYSTEMS

## **FINISHING SYSTEM**

### **PRODUCTS**

- Pretreatment Systems
- Process Ovens
- Environmental Rooms
- Liquid Spray Booths
- Electrocoat Systems
- Powder-coating Systems
- Liquid-coating Systems
- Autodeposition Systems

## **MATERIAL HANDLING**

### **PRODUCTS**

- Programmed Hoist Systems
- SlideRail Square Transfer® Systems
- Econ-E-Coat®
- Custom E-Coat Systems
- Monorail Conveyors
- Power and Free Conveyors
- Floor Conveyor Systems
- Custom Combinations

## **WATER AND WASTEWATER**

### **TREATMENT PRODUCTS**

- Wastewater Treatment
- Reverse Osmosis
- Water Polishing
- Iron Removal
- Process Mixing
- Fluid Transfer
- De-ionization
- System Components

# **THERMA-TRON-X INC.**

1155 South Neenah Ave.

Sturgeon Bay, WI 54235

P: (920) 743.6568

F: (920) 743.5486

[www.ttxinc.com](http://www.ttxinc.com)  
[sales@ttxinc.com](mailto:sales@ttxinc.com)



In the years since TTX has started, thousands of systems of every type have been produced. Many manufacturers seeking to process their products through state of the art finishing facilities have come to TTX for complete systems. Among those customers are:

Phoenix Coaters (MEC) • Yamaha Motor Manufacturing of America • Kawasaki Motors Manufacturing Corporation • Martinrea International Inc. • Yorozu Automotive North America • Cummins Power Generation • Magna International, Inc. • The Toro Company • Nissan Forklift Corporation • Toyota • Volvo Construction Equipment • Federal Mogul Corporation • ABB Power • Bombardier Inc. • Caterpillar • Crenlo, LLC • Delphi Chassis • Gestamp • Freightliner Corporation • General Electric • Graco, Inc. • Metalsa • Ingersoll-Rand Company • Kohler Corporation • Schneider Electric • Mercury Marine • Modine Manufacturing • Trek Bicycle Corporation • Kubota Industrial Equipment Corporation • Oshkosh Corporation • Tramontina USA