

PRETREATMENT SYSTEMS

Precision Engineering for Industrial Efficiency

TTX Pretreatment Systems are custom engineered to thoroughly clean, condition, and prepare products for exceptional coating adhesion, corrosion resistance, and long-term performance. Designed around your production requirements, each system integrates seamlessly into your finishing process while maximizing efficiency, quality, and sustainability.



INNOVATION

- Intelligent PLC controls
- Custom-engineered per each application
- Automatic chemical feed, VFD spray controls, and real-time pH and conductivity monitoring
- Advanced spray technology, spiral flow immersion tanks



QUALITY

- Mild/stainless steel
- Spray/immersion systems
- TTX mixers/nozzles
- Insulated, double-welded tanks
- Maintenance friendly features



EXPERIENCE

- Proven pretreatment technologies that maximize coating performance and efficiency.
- Engineering expertise across multiple applications
- Complete Intergration with various processes



SUSTAINABILITY

- Minimized water and chemical consumption
- Reduced energy usage while maintaining consistent process conditions
- Clean, conditioned water and precise chemical control improve overall outcome

THERMA-TRON-X, INC.
TTX



Your Best Finish Starts With Us!

ENERGY EFFICIENCY

- Water conservation
- Zero-discharge system design
- Wastewater treatment integration
- Energy-efficient heating
- Reduced chemical consumption
- Environmental compliance

CUSTOM INTEGRATION

- Process-First Engineering designing around chemistry, product geometry, throughput, and finish requirements
- Multiple pretreatment stages
- Custom-designed systems
- Quick-disconnect risers/nozzles

CUSTOMER BENEFITS

- Complete process integration
- High-quality finishes
- Cost-effective solutions
- Environmental responsibility
- Maintenance friendly

AVAILABLE CONFIGURATIONS

- Mild/stainless steel construction
- Double welded tanks
- Automatic chemical feed system
- High efficiency heating systems
- Oil coalescing separator
- pH and conductivity meters
- VFD control of spray pressure



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