

TSS Corporate Profile & Logistics Container Solutions

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Executive Summary

Company Overview

Shanghai Xinfan Industrial Corporation (TSS) is a leading manufacturer specializing in **logistics containers, security seals, RFID solutions and insulated packaging** for global supply chains. For more than 42 years, TSS has supported customers across logistics, retail, manufacturing, pharmaceutical, food processing and warehouse automation industries with high-performance products designed for operational efficiency.

Integrated Manufacturing Capability



Product Engineering



Mold Design



Injection Molding



Automation Assembly



Quality Assurance



OEM / ODM Development

Global Reach

Today TSS products are **exported worldwide** and trusted by international retailers, logistics providers, shipping lines and system integrators.



Global Distribution Network



01

Manufacturing Excellence



In-house Mold Development

Mold Design

-  Mold Flow Analysis
-  CNC Machining
-  EDM
-  Mold Maintenance

Injection Molding

-  400T–1300T machines
-  Automated robotic handling
-  PP or HDPE
-  Food-grade materials
-  Recycled materials available

End-to-End Manufacturing Control

Our in-house mold development capabilities ensure complete control over quality, timeline, and cost. From advanced mold flow analysis that optimizes part design for manufacturability, to precision CNC machining and EDM processes, we deliver tooling that meets the most demanding specifications.

Our injection molding operation spans 400T to 1300T machines with automated robotic handling, supporting a comprehensive range of materials including PP, HDPE, food-grade options, and recycled materials - enabling sustainable manufacturing without compromising performance or compliance.

Quality Control

Rigorous Inspection & Testing Ensures Product Excellence

Incoming Inspection

- ✓ Incoming inspection
- |||| Barcode verification
- 📏 Dimension inspection

Process Control

- 🔄 Process inspection
- ⚖️ Load testing
- ↓ Drop testing
- 🔨 Impact testing

Final Validation

- 🚩 Final inspection
- 🌡️ Temperature testing
- 🔍 Comprehensive validation



02

Industry Solutions



Solutions by Industry



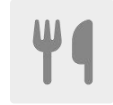
AGV / AMR



Retail



Supermarket



Food Processing



Cold Chain



Pharmaceutical



Manufacturing



Airport



Automotive



Warehouse Automation



Express Logistics



3PL



03

Product Portfolio



TSS Logistics Containers



AS/RS Foldable/Wall Straight Crates

600x400x300/400mm/280/350/300mm



Collapsible Crates

600x400x115/225/300mm/220mm



Nested and Stackable Crates

600x400x128/160/200/230/300/310mm



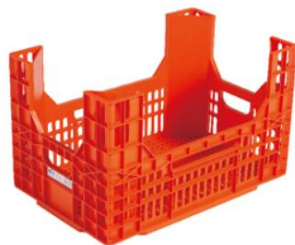
Stackable Totes and Dollies

600x400x260/320/355/365mm



Stackable Bin

604x398x208mm



Picking Crate

560x360x360mm



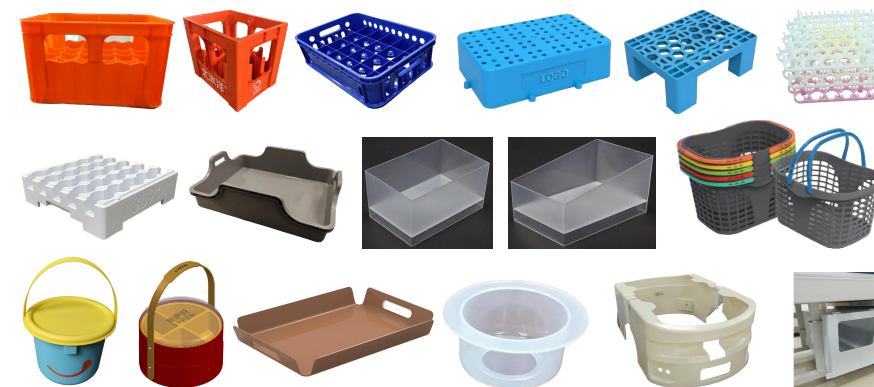
Baggage Tray

820x500x180mm



Insulated Boxes

15L/30L/50L



Tailored Products

Storage Trays / Shopping Baskets / Snack Display Racks...

TSS AS/RS Totes for Warehouse Automation (AGV/AMR)



 **RFID Ready**

 **Barcode Ready**

 **Custom Colors**

 **Food-grade Materials**

 **Reinforced Bottom**

 **Conveyor Compatible**

Applications

 **Automated Warehouses**

 **Distribution Centers**

 **Retail Fulfillment**

 **E-commerce**

 **Manufacturing**

 **Cold Chain**

TSS Collapsible Crate with / without handles for Retails

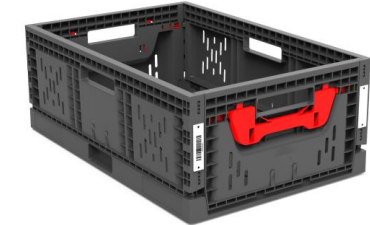


Collapsible Plastic Crates

Model: TSS-SFD 2.0
Size: 600x400x**115mm**
Handles: Separate



Model: TSS-SFD 2.0
Size: 600x400x**225mm**
Handles: Separate



Model: TSS-SFD 2.0
Size: 600x400x**300mm**
Handles: Separate



Model: TSS-SFD 3.0
Size: 600x400x**225mm**
Handles: One Piece



Model: TSS-SFD 2.0
Size: 600x400x**220mm**
Handles: One Piece



Weight: 1.39-2.92kg / Each loading Capacity: 10-25kg / Stacking Loading Capacity: 100-250kg

TSS Collapsible Crate with / without handles for Retails

TSS-RBTB600*400*128
Bottom: Ventilated



TSS-RBTB600*400*160
Bottom: Ventilated / Solid



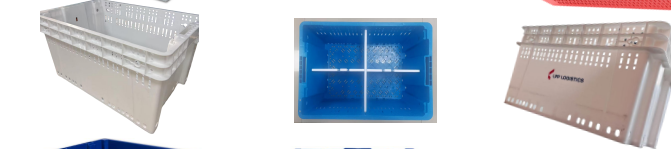
TSS-RBTB600*400*230
Bottom: Ventilated / Solid



TSS-RBTB600*400*300
Bottom: Ventilated / Solid



TSS-RBTB-01 600*400*300
Bottom: Ventilated



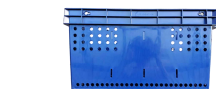
TSS-RBTB-SN600*400*200
Bottom: Ventilated



TSS-RBTB-SN600*400*300
Bottom: Ventilated



TSS-RBTB-02 600*400*300
Bottom: Ventilated



TSS-RBTB600*400*310
Bottom: Ventilated



TSS-RBTB600*400*27
TSS-RBTB598*398*27



TSS-RBTB595*390*110
Bottom: Ventilated



TSS-RBTB600*450*150
Bottom: Solid



TSS-RBTB650*420*170
Bottom: Solid



MORE TAILORED CRATES...

TSS-RBTB360*130*3.7

TSS-RBTB-03 410*315*120

TSS-RBTB420*340*130

TSS-RBTB456*384*160

Weight: 1.5-2.1kg / Each loading Capacity: 25-35kg / Stacking Loading Capacity: 200kg

TSS Hinged Attached Lid Totes for Transportation



Plastic Totes with Lid



Model: TSS-TBX
Size: **560x380x320mm**
Body: Solid
Optional: Dividers / Panels / Seals / Dollies



Model: TSS-TBX
Size: **600x400x260mm**
Body: Solid / **Ventilated**
Optional: Dividers / Panels / Seals / Dollies



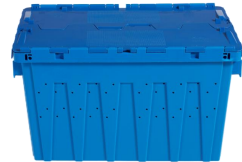
Model: TSS-TBX
Size: **600x400x315mm(SN)**
Body: Solid
Optional: Dividers / Panels / Seals / Dollies



Model: TSS-TBX
Size: **600x400x320mm**
Body: Solid
Optional: Dividers / Panels / Seals / Dollies



Model: TSS-TBX
Size: **600x400x355mm**
Body: Solid / **Ventilated**
Optional: Dividers / Panels / Seals / Dollies



Model: TSS-TBX
Size: **600x400x365mm (Horizontal)**
Body: Solid
Optional: Dividers / Panels / Seals / Dollies



Weight: 2.6-3.4kg/Each loading Capacity: 30-40kg/Stacking Loading Capacity: 200kg

TSS Tailored Products



Stackable Bin (Deviders/Panels)
TSS-BBOX-01
604x398x208mm



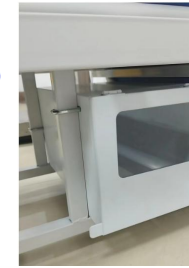
Picking Crate
TSS-ST-01
560x360x360mm



24/12 Soda Bottle Crate
TSS-ST-02/TSS-ST-04
430x285x260mm(248ML)/347x260x309mm(500ML)



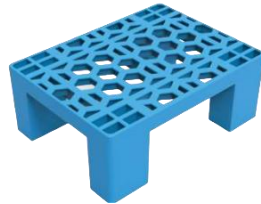
24 Paper Cup Crate
TSS-ST-03
480x345x135mm



Food Locker for Pick-up Station
TSS-SC-01



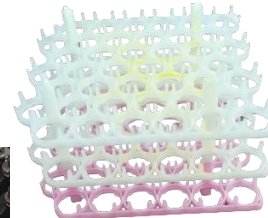
Waterproof Grid Pad
TSS-MPP-01
360x240x100mm



Heavy Product Pallet
TSS-MPP-02
400x300x150mm



Bearings Storage Tray
TSS-MPP-03
330x330x95mm



42 Egg Tray
TSS-MPP-04



Baggage Tray
TSS-MPP-05
820x500x180mm



Pallet for Footwares
TSS-MPP-06
420x340x130mm



Flat/Slant Snacker Display Rack
TSS-FOODBOX-01/02
293x195x150mm/293x195x150mm



Shopping Basket
TSS-BT
352x260x200mm



Snack Bucket
TSS-FOODBOX-03/04



Snacker Weighing Tray
TSS-FOODTRAY-01



Plastic Container for Meat
TSS-NSC-01
φ75x42



AGV Front Shell
TSS-NSC-K50
293x195x150mm

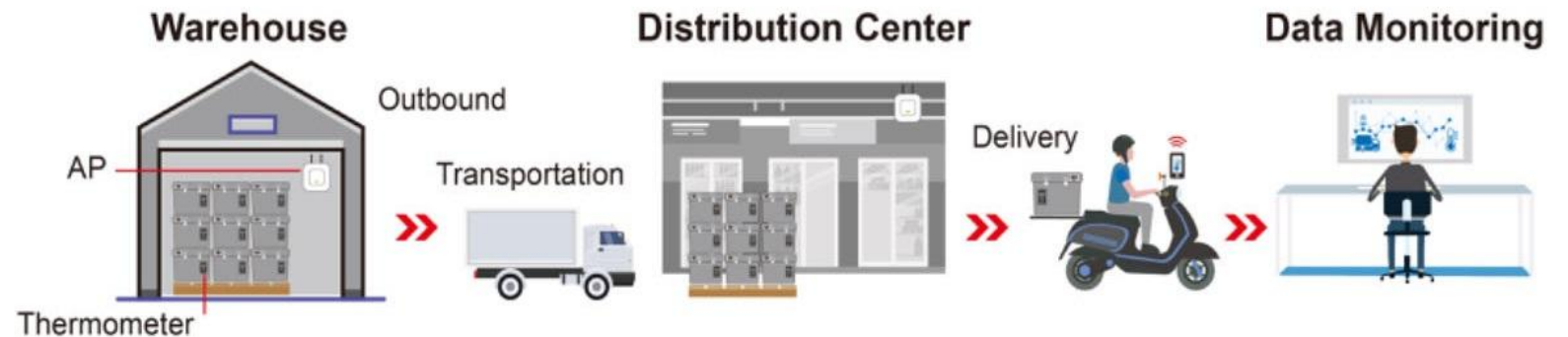
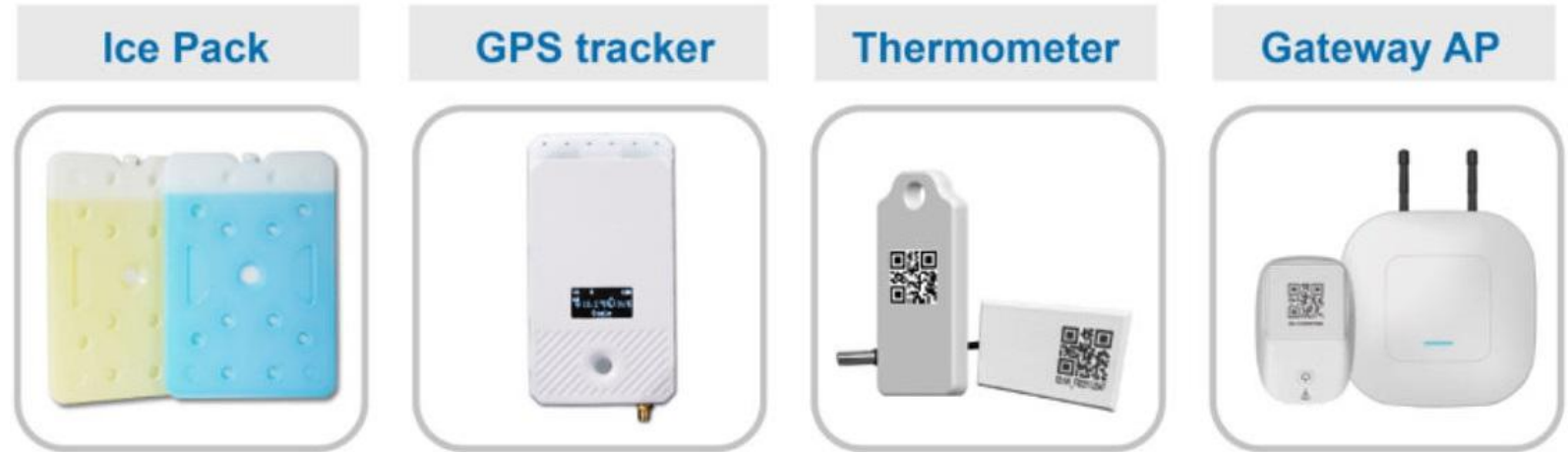
TSS Insulated Products - Customized Size



XPS (Extruded polystyrene) Insulated Box



EPP(Expanded Polypropylene) Insulate Box



TSS Tote Dollies



Type: Nested and Stackable Dolly
Model: TSS-Trolley-5737 (570x370mm)
Features: Flexible Sizes
Totes: TSS-TBX5638, TSS-TBX6040
Weight: 3.3kg Loading
Capacity: 150kg

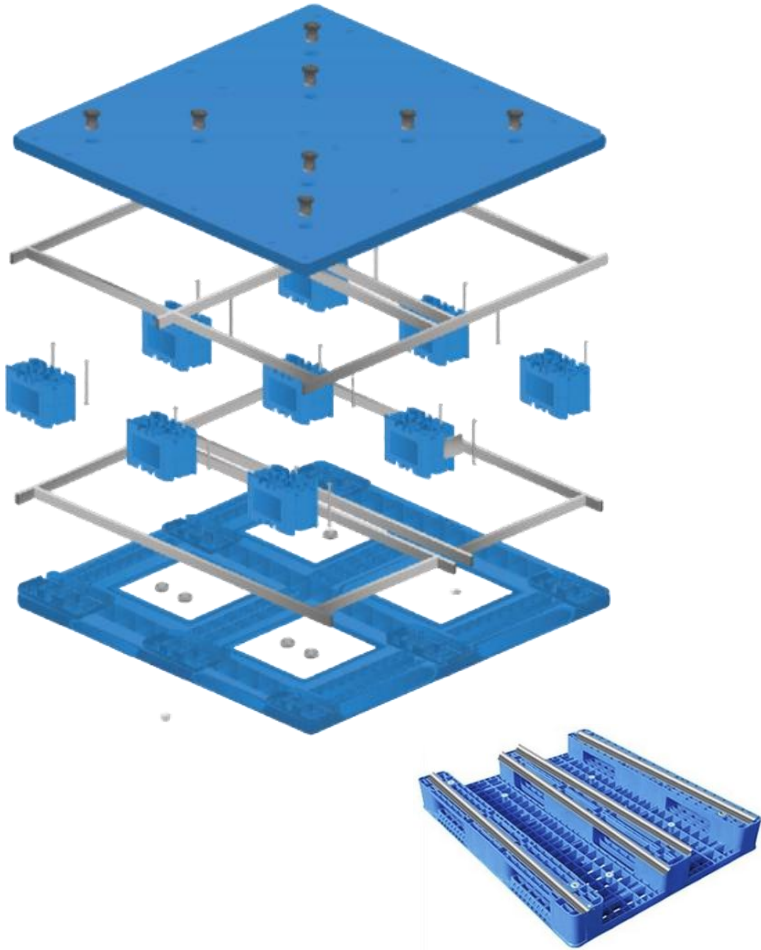


Type: Nested and Stackable
Model: TSS-Trolley-6040M(600x400mm)
Features: Multiple combination methods for various types of totes
Weight: 3.3kg
Loading Capacity: 150kg



Type: Nested and Stackable
Model: TSS-Trolley-02 (577x377mm)
Features: Multiple combination methods and Durable
Totes: TSS-TBX5638, TSS-TBX6040
Weight: 3.3kg
Loading Capacity: 150kg

TSS Plastic Pallets



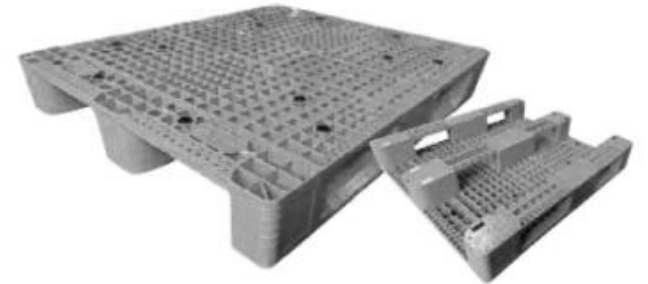
**Nestable NINE Blocks
Bottom Pallet**



**Rackable Curciform
Bottom Pallet**



**3 Runners Lengthsway
Bottom Pallet**



**Reversible Double
Faced Pallet**





05

Why Choose TSS



Why Global Customers Choose TSS



Manufacturing Excellence



42+ Years Manufacturing Experience



50+ Injection Molding Machines



In-house Mold Workshop



OEM & ODM



Fast Tooling Development



Large Production Capacity



Certifications & Compliance



ISO9001



ISO14001



C-TPAT



BSCI



Global Service



Professional Export Team

Dedicated specialists for international trade



Worldwide Delivery

Reliable logistics to 50+ countries

Trusted by global brands across continents

Customer Benefits

25%

Cost Reduction

Achieve significant operational savings through optimized logistics networks, intelligent route planning, and reduced manual intervention across the supply chain.



Inventory Optimization

Real-time stock visibility with predictive analytics to minimize carrying costs and prevent stockouts.



Warehouse Efficiency

Streamlined picking, packing, and fulfillment processes with intelligent space utilization.



Automation Compatibility

Seamless integration with automated guided vehicles, robotic systems, and IoT sensors for future-ready operations.



Supply Chain Visibility

End-to-end tracking and transparency from supplier to end customer with actionable insights dashboard.



Continuous Improvement

Data-driven performance metrics and benchmarking tools to identify optimization opportunities and drive ongoing excellence.



06

Design & Customization



Engineering Customization



Custom Dimensions & Colors

Tailored sizing and color matching to brand requirements



RFID, QR & Barcode

Full traceability with integrated identification technologies



Logo Printing & Branding

Direct printing and labeling for corporate identity



Military & ESD Materials

Anti-static and specialized material grades available



Food Grade & PP Options

Virgin or recycled polypropylene for diverse applications



Load, Stack & Automation

Optimized for weight, space and robotic systems

07

Sustainability



Sustainability



Circular Materials

GRS-certified recycled and fully recyclable PP options

Recyclable Materials

GRS Materials



Clean Production

Solar-powered facilities with energy-efficient manufacturing

Energy-efficient Production

Solar Power



Waste & Carbon Reduction

Zero-waste targets and low-carbon process optimization

Waste Reduction

Low-carbon Manufacturing



ISO14001 Certified

Full environmental compliance and third-party validation

ISO14001

Environmental Compliance

Frequently Asked Questions



Q: What industries use TSS logistics containers?

A: Automotive, electronics, pharmaceuticals, retail, and manufacturing sectors worldwide.



Q: Can TSS customize dimensions?

A: Yes, full OEM/ODM support with mold development for bespoke specifications.



Q: Can RFID be integrated?

A: Embedded RFID tags and IoT sensors available for smart tracking solutions.



Q: Do you provide mold development?

A: In-house mold design and fabrication with 42+ years engineering expertise.



Q: Are your totes compatible with AS/RS?

A: Full compatibility with automated storage and retrieval systems globally.



Q: What materials are available?

A: PP, HDPE, ABS, and conductive/anti-static compounds for specialized applications.



Q: What is the MOQ?

A: Flexible minimums starting at 500 units, scaling with customization complexity.



Q: Do you provide OEM?

A: Complete OEM services including branding, color matching, and private labeling.



Q: What certifications do you have?

A: ISO 9001, ISO 14001, and industry-specific quality standards compliance.



Q: Can your totes be used with AGV/AMR?

A: Optimized for AGV and AMR navigation with standardized bases and tracking.

THE END

Contact

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