



POWER AND PERFORMANCE

For Unit Handling Industry



ustsubaki.com



SINCE 1917, Tsubaki has consistently provided leading products tailored to meet the unique needs of industries worldwide. Tsubaki specifically has extensive knowledge and experience in the unit handling industry, helping operations move various items or unit formats that can be handled independently.

Downtime is an enormous threat to the success of a unit handling operation, as even the slightest snag can cause a bottleneck on the production line. Tsubaki offers premium solutions to help keep the production line moving. Below are the benefits of implementing Tsubaki products into your unit handling operation.

The Winning Equation For **POWERING OPERATIONAL SUCCESS**



**Significantly
Minimized Number
of Operational
Interruptions**



**Increased and
Maximized
Operational
Efficiency**



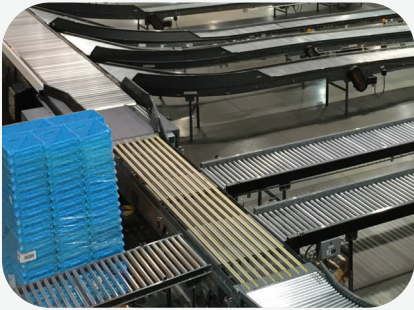
**Extended
Equipment
Lifespan Reduces
Maintenance
Costs**



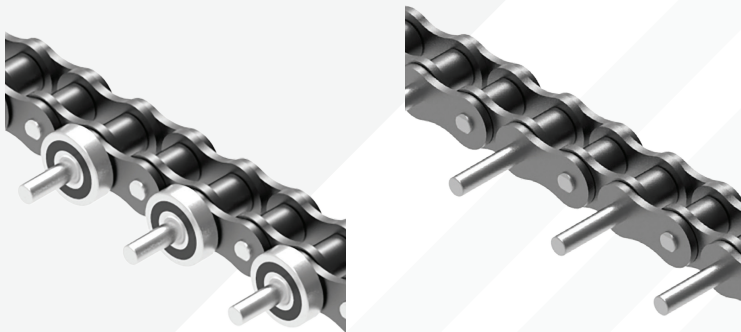
**Reliable and
Powerful
Performance**

Impactful User-Inspired Innovations BACKED BY DECADES OF EXPERTISE

SORTATION SLIDING SHOE SORTER



When it comes to the advanced sortation systems that deliver efficient automated distribution and fulfillment operations for retailers, manufacturers, and logistics providers around the globe, reliability isn't something you can compromise on. Tsubaki has decades of extensive knowledge and experience in providing premium, engineered solutions you can rely on for sortation conveyor systems, such as sliding shoe sorters, or other specific equipment you are operating.



SORTATION CHAINS

- ▲ ANSI/ASME Size 100 Chain with Extended Pin D-1 Attachments
- ▲ Available With or Without Bearings
- ▲ Available in 10-ft and 20-ft Sets
- ▲ Fast Delivery for Quick Replacement
- ▲ Highly Engineered and Developed in Holyoke, MA

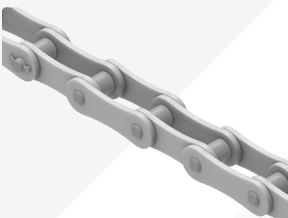
SPIRAL CONVEYOR AND FREEZER EQUIPMENT

Spiral conveyors are specifically constructed to transfer loads vertically in a quick, effective way for those who have limited operating footprints, and their spiral segments require components with extra flexibility. For this type of special application, Tsubaki offers quality components for improved efficiency and reliability, which will minimize frequency of replacement and reduce unnecessary operational downtime.



CURVED SPIRAL CONVEYOR CHAINS

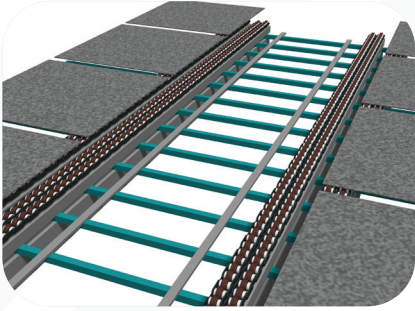
- ▲ ANSI/ASME Size 60 Chain with Extended Pin DD-3 Attachments
- ▲ Curved Feature Added for Improved Flexibility
- ▲ Easy Drop-In Replacement in OEM Equipment
- ▲ Drop-In Chain Replacement for Easy Installation of the OEM Top Conveying Plates
- ▲ Available in Custom Lengths to Fit Specific Application



SPIRAL FREEZER DRIVE CHAINS

- ▲ ISO Size 2032B (4" Pitch) Chain
- ▲ Neptune® Coat Available for Enhanced Corrosion Resistance
- ▲ KT Coat Offered for Cold Temperature Resistance
- ▲ Carbon Steel Available With Through-Hardened Pins for Boosted Chain Life
- ▲ Available in Custom Lengths to Fit Specific Application

ACCUMULATION CONVEYOR EQUIPMENT



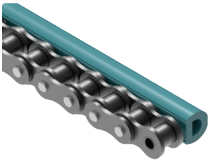
In picking and packing applications, accumulation conveyors are commonly used to gather, hold, stop, and store a wide range of products in order to keep a steady flow of products moving while preventing damage from collisions or pileups. Tsubaki developed premium chain components to help accumulation conveyors efficiently manage and transport products downstream to ensure smooth and efficient workflow. Tsubaki products are also designed to maximize the production efficiency and reduce operating costs.

DOUBLE PLUS® CHAINS



- ▲ Free-Flow Chains Made with Unique Combination of Small and Large Diameter Rollers
- ▲ Highly Engineered for High Speed and Low Noise Level
- ▲ 4 Types Available - Carbon Steel, Stainless Steel, Lambda®, and Hard-Chrome Plated
- ▲ Snap Covers Available to Prevent Debris From Falling into Frames
- ▲ Other Accessories Available - Brackets, Guard Rails, Return Guides, etc.

DRIVER PAD ACCUMULATION CHAINS



- ▲ ANSI/ASME Size 50 Chain With D-1 Extended Pin Attachments
- ▲ Driver Pads Available
- ▲ Quick and Easy Replacement in OEM Equipment

TOP ROLLER CHAINS



- ▲ Free-Flow Chains Suitable for Rugged Conveyors with Heavy Objects
- ▲ Steel and Plastic Top Rollers Available

OUTBOARD ROLLER CHAINS



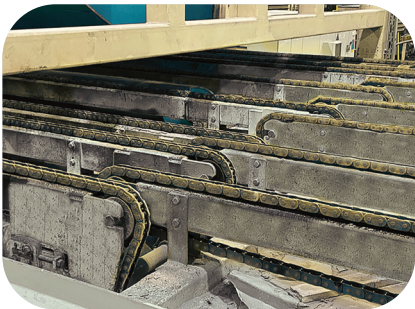
- ▲ Free-Flow Chains with Freely Rotating Top Rollers Supported by Elevated Plates on Both Sides
- ▲ Suitable for Rugged Conveyors with Heavy Objects
- ▲ Steel and Plastic Top Rollers Available

TOP PLATE CHAINS



- ▲ Free-Flow Chains with Top Plates Designed for High-Capacity Conveyors
- ▲ A Variety of Chain Types (Stainless Steel, Lambda®, and More) Available for Different Operating Environments
- ▲ Steel and Plastic Top Plates Available

PALLET HANDLING SYSTEM



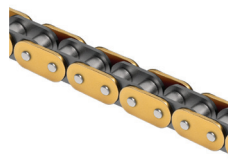
Tsubaki offers a variety of premium heavy-duty products designed for moving and handling heavy loads. In addition, they are intended to increase and maintain the efficiency of pallet handling conveyor systems used in a wide range of industries, such as automotive, drywall, distribution centers, and many more. From loading and unloading to storage and transporting, Tsubaki's heavy-duty products allow for uninterrupted and optimized operation, minimizing unnecessary maintenance costs and time.

MULTI-STRAND CHAINS



- ▲ Designed with Two or More Rows of Chains Assembled for Heavy-Duty Applications
- ▲ Increased Chain Capacity
- ▲ "Double" Strength for Double-Strand Chain and "Triple" Strength for Triple-Strand Chain

STRAIGHT SIDE-BAR CHAINS



- ▲ Straight Side-Bar Premium Quality Chain
- ▲ Increased Fatigue Strength for Conveying Products
- ▲ Titan® Available with Enhanced Wear Characteristics for Harsh Environments
- ▲ Neptune® Available for Wet Environments

ADDITIONAL UNIT HANDLING SOLUTIONS



SMART TOOTH® SPROCKETS

- ▲ Designed to Identify Wear and Schedule Maintenance in Advance
- ▲ Suitable for a Wide Range of Applications
- ▲ Highly Engineered to Help Operators Proactively Stay Ahead of Downtime



PIN GEAR DRIVE UNITS (PDU)

- ▲ Suitable for Tilting, Rotary, and Linear Drive Applications and Conveyor Power Source
- ▲ Utilizing Segmented System for Easy Installation
- ▲ Designed to Offer Limitless Design Possibilities for Rotating and Linear Drives
- ▲ Outperform Large Gears in Terms of Cost and Tangential Force



GEAR MOTORS

- ▲ Compact, Easy-to-Use Design Allowing for Efficient Automation and High Productivity in Any Field
- ▲ Ability to Eliminate Uncomfortable Noise
- ▲ Used in Conveyor Power Source/Connecting Applications



CAM CLUTCHES

- ▲ BB Series Offered for Drum Motors in Over-Running Applications
- ▲ Small Backstop Clutches (e.g. BSEU Series) Available For Inclined Conveying Movement
- ▲ Many More Types of Clutches Available



POWER LOCKS®

- ▲ Used in Conveyor Power Source/Connecting Applications
- ▲ Ability to Eliminate Backlash Damage to Keyways from Heavy Loads
- ▲ Simplified Installation and Removal
- ▲ Exact, Slip-Free Location to Prevent High Machining Costs



ATRA-FLEX®
Flexible Couplings

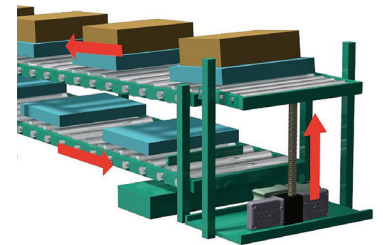
COUPLING

- ▲ Quality Flexible Couplings Designed to Transmit Torque with Utmost Efficiency While Allowing for Easy and Cost Effective Installation
- ▲ Easy, Flexible Alignment Delivering Added Mobility to Ensure Smooth and Responsive Operation
- ▲ Significantly Reduced Number of Threats of Overheating and Wear



ZIP CHAIN ACTUATORS/LIFTERS

- ▲ Linear Actuators That "Zip" Chain Segments Together, Creating a Rigid Actuating Arm
- ▲ Suitable to Be Used in Sorters, Pushers, Diverters, or Lifters
- ▲ Achieves Maximum Speed of 1,000 mm/sec in High-Speed Operations to Increase Production Efficiency
- ▲ Significant Wear Resistance and Low Chain Elongation to Maximize Wear Life and Reduce Costs



AT TSUBAKI, our industry-leading products are backed by a team of experts with extensive experience and knowledge of unit handling operations. Our team takes a consultative approach to tailor our solutions to your operational needs, no matter the application or industry.



EXCELLENCE THROUGH INNOVATION SINCE 1917

For over 100 years, Tsubaki has developed and manufactured the highest-quality products for power transmission and motion control. With a vast network of global production facilities, R&D resources, and sales offices, Tsubaki remains committed to providing innovative solutions to customers' problems for the next 100 years.



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