



Contact Us!



DYMCO Website

STEEL BELT

APPLICATIONS

3-3-21 Isogo, Isogo-ku, Yokohama, 235-0016 JAPAN

TEL.: +81-45-352-8833

Email: overseas@dymco.co.jp

<https://dymcosteelbelt.com/>

01

Welded Endless Belt

HYGIENIC TRANSPORT



FEATURES

Hygienic Surface

Prevents bacterial growth, allowing safe direct contact with foodstuffs.

Wide Temperature Range

Withstands temperatures ranging from -40°C to $+150^{\circ}\text{C}$, allowing both heating and cooling directly on the belt.



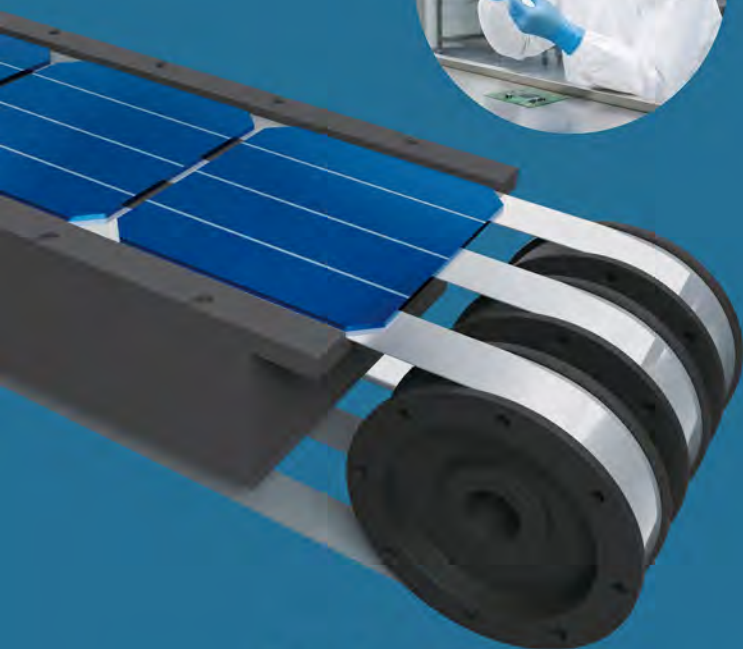
INDUSTRIES

Food Processing, Chemicals, Pharmaceuticals



Belt Spec Example (mm)

Thickness	Width	Length
0.2	300	2200



Belt Spec Example (mm)

Thickness	Width	Length
0.15	50	2300

Welded Endless Belt

02

CLEANROOM AND VACUUM ENVIRONMENT



FEATURES

Ultra-Low Static Electricity

Ensures a stable and contamination-free environment for sensitive applications.

Minimal Dust Emission

The metal belt has clean room compatibility.



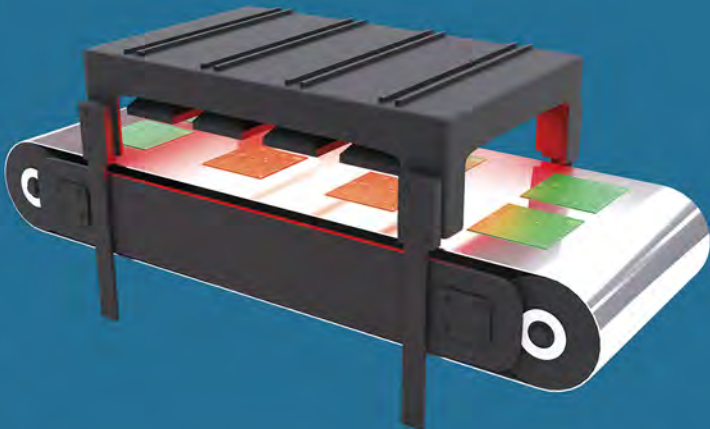
INDUSTRIES

Semiconductor, Electronics, Pharmaceuticals

03

Welded Endless Belt

HEATING AND DRYING PROCESS



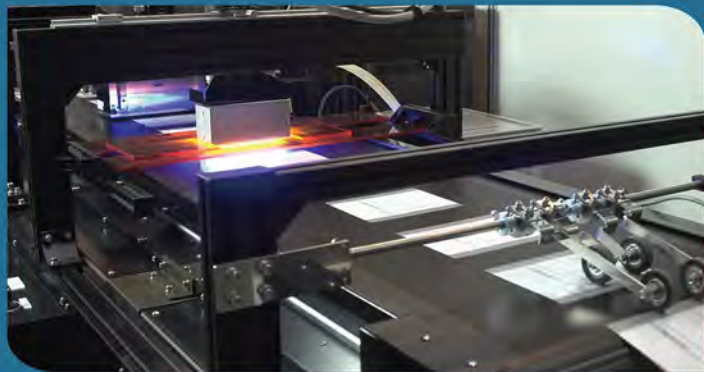
FEATURES

Minimal Elongation and Deformation

High-Temperature Capability

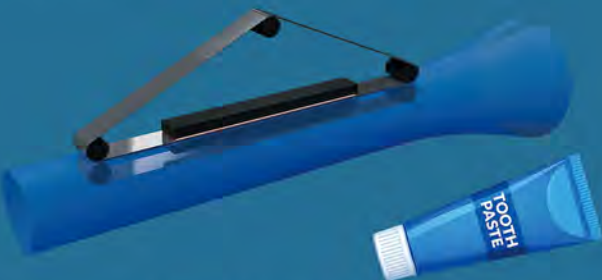
Suitable for continuous heating and drying processes at temperatures exceeding 100 °C.

Fine Particle Transport



INDUSTRIES

Automotive, Semiconductor, Solar Panels, Healthcare



Belt Spec Example (mm)

Thickness	Width	Length
0.1	8	5000



Belt Spec Example (mm)

Thickness	Width	Length
0.15	13	800

Welded Endless Belt

04

HEAT SEALING



FEATURES

Superior Heat Conductivity

Designed for optimal heat transfer, suitable for laminating thermoplastic materials under heat and pressure.

Customizable Non-Adherent Properties

Provides excellent release properties, ensuring smooth and efficient operations.



INDUSTRIES

Packaging, Food, Healthcare, Cosmetics

05

Coated Endless Belt

IMAGE INSPECTION



FEATURES

Non-glare surface

Minimizes unwanted reflections, improving inspection accuracy.

Minimal Vibration and Smooth Surface

Ensures that workpieces remain a steady distance from inspection tools, maintaining the camera's depth of field, for instance.



INDUSTRIES

Automotive, Electronic Components, Film, Lithium Batteries



Belt Spec Example (mm)

Thickness	Width	Length
0.2	200	2500



Belt Spec Example (mm)

Thickness	Width	Length
0.12	25	1500

Welded Endless Belt

06

OIL SKIMMER



FEATURES

Superior Oil Adsorption

Affinity with oil ensures high recovery efficiency in oil skimming.

Smooth, Flat Weld Seam

The precision-finished weld seam provides a smooth, flat surface.

Durability and Cost-Effectiveness

Long-lasting performance provides a reliable and economical solution.

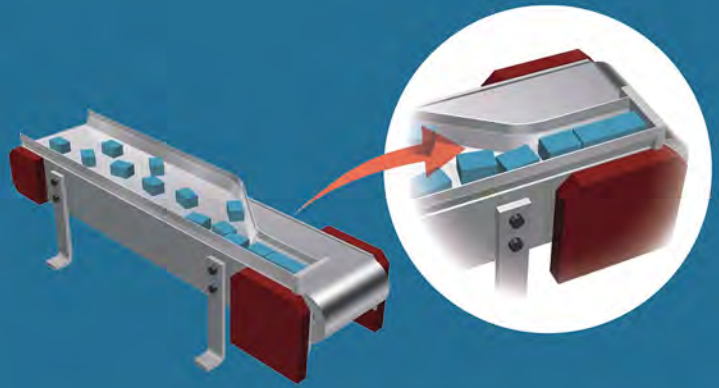


INDUSTRIES

Chemical Processing, Automotive

07

Welded Endless Belt

TEMPORAL
STOPPING

FEATURES

Smooth Surface Handling

The smooth surface of the steel belt allows workpieces with burrs to remain securely in place during operation, ensuring uninterrupted workflow.

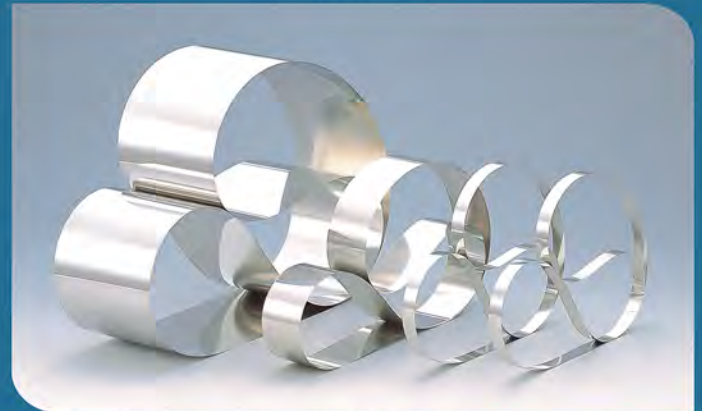
Enhanced Productivity

By minimizing downtime and maintaining continuous operation, steel belts help maximize productivity and efficiency.



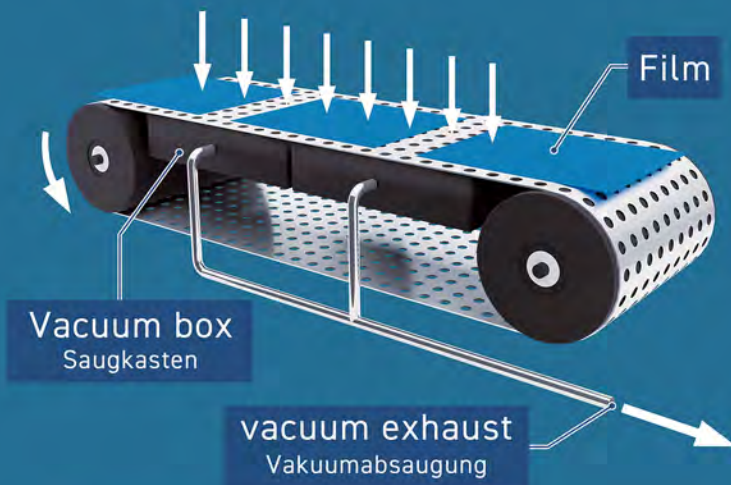
INDUSTRIES

Automotive, Machining, Assembly



Belt Spec Example (mm)

Thickness	Width	Length
0.15	50	1300



Belt Spec Example (mm)

Thickness	Width	Length
0.3	500	5000

08

Perforated Endless Belt

VACUUM
TRANSPORT

FEATURES

Custom Holes for Vacuum

Available with a variety of hole sizes and patterns to suit specific vacuum requirements.

Outstanding Stability and Precision

Ensures precise and stable positioning, keeping paper and films perfectly flat during processing.



INDUSTRIES

Inkjet Printing, Film Handling and Inspection, Battery, Solar Panel Production, Electronics Manufacturing

09

Open Belt Multi-layer Open Belt

ROBOT ARM DRIVE



FEATURES

Superior Rigidity

Ensures reliable performance in demanding applications.

Non-Backlash Operation

Precise Motion

Ensures accurate transfer of motor torque to robot arms.

Drive Belts



Multi

Dual

Single



INDUSTRIES

SCARA Robots, Semiconductor, Medical Robots, Automotive

Belt Spec Example (mm)

Thickness	Width	Length
0.08	10	500



Belt Spec Example (mm)

Thickness	Width	Length
0.3	100	3800

Perforated Timing Belt

10

POSITIONING



FEATURES

Precise Intermittent Transport

Accurately designed belt holes and sprocket pin ensure reliable intermittent transport.

Lubricant-Free Operation

Reducing maintenance and contamination risks.



INDUSTRIES

Assembly, Inspection

11

Open Belt

LIFTING IN AUTOMATIC WAREHOUSE



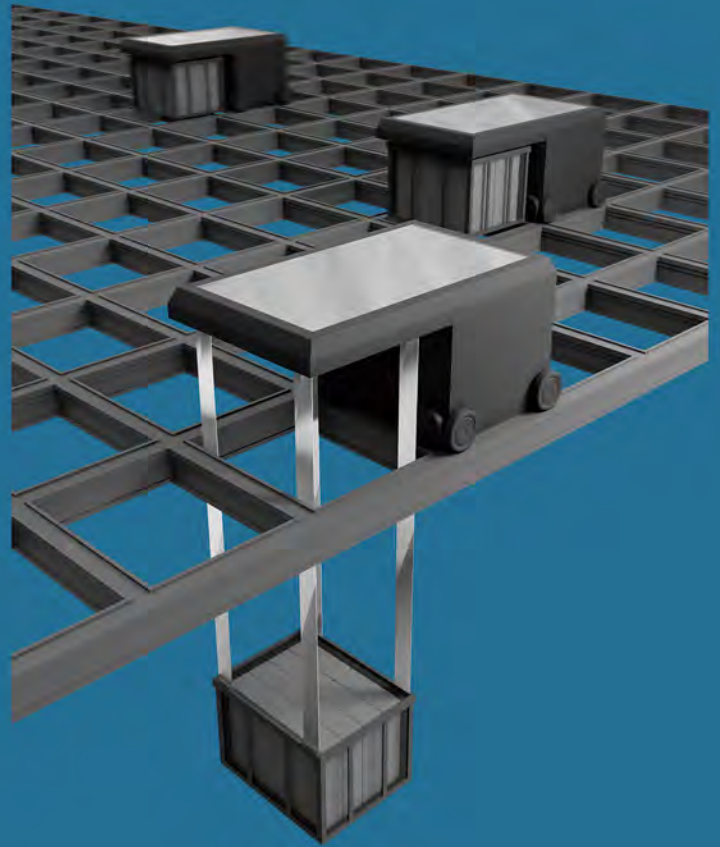
FEATURES

High-Speed Precision

Delivers high speed and accuracy for lifting and transport devices in an automated warehouse.

Compact and Efficient

Wound up thin belt construction offers compact design for the traveling carriage.



Belt Spec Example (mm)

Thickness	Width	Length
0.15	20	6000



INDUSTRIES

Logistics, Factory Automation



Belt Spec Example (mm)

Thickness	Width	Length
0.04	5	200

Ring-Rolled Endless Belt

12

COMPACT PRECISE DRIVE UNIT



FEATURES

Ultra-Thin and Durable

With a minimum thickness of 40 microns.

Precision Performance

The ring rolling process over a welded endless belt ensures consistent thickness, hardness, and tensile strength across the entire belt, offering quiet operation, high-speed capability, and a compact design.



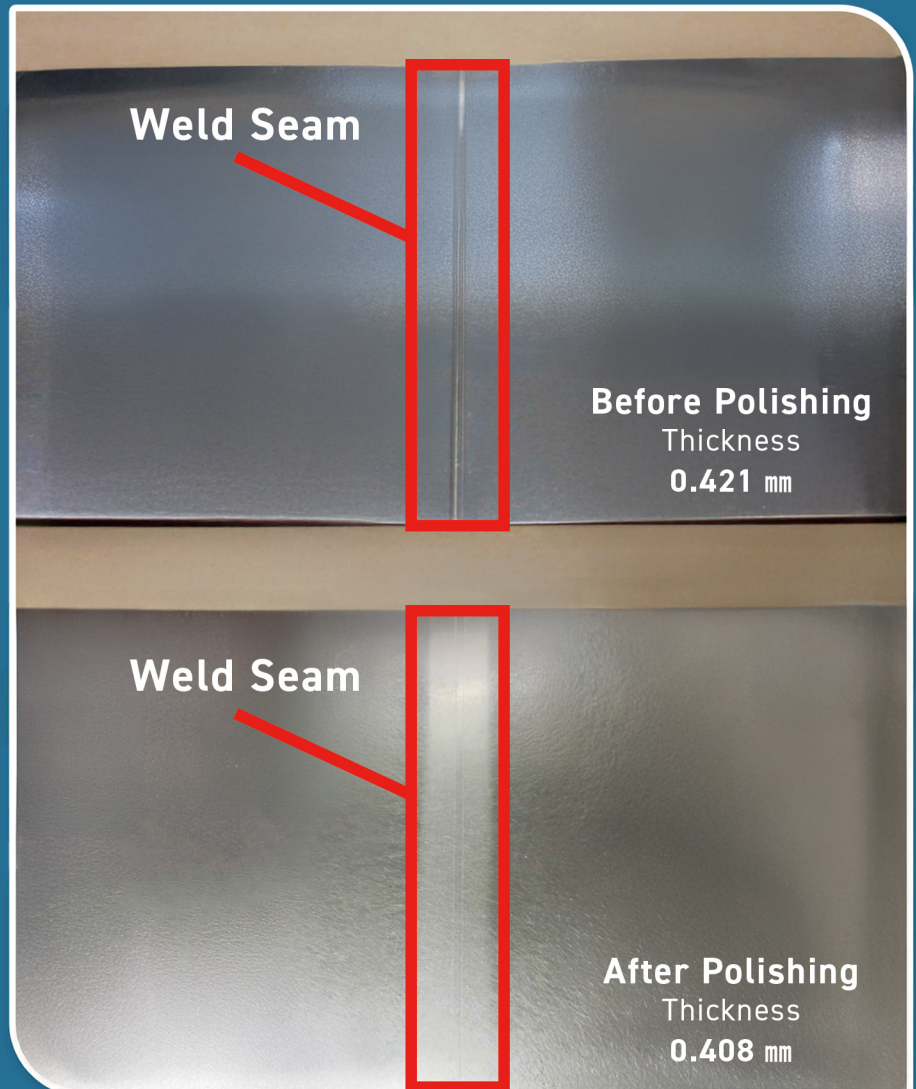
INDUSTRIES

Robotics, Factory Automation

A Beautiful Factory Creates Beautiful Products

Weld Seam of Steel Belts

DYMCO has advanced welding technology for thin stainless steel belts and can further finish the weld seams so that they are smooth and flat, as if no welding had taken place.



Steel Belt Packaging

DYMCO is committed to delivering high-quality products to customers in excellent condition.

Every product is carefully packaged with attention to detail.