QUALITY CONTROL & SHIPMENT RELEASE

Spiral Freezer Belt

What is checked before your belt ships, the problems each check prevents, and how the belt is packed.
Photos and readings come from real projects; checks are confirmed per project.

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PROJECT QC GATES

04 What Is Checked Before Your Belt Ships?

Four checks that matter to you: measured, sample approved, tested on your drum diameter and turn ratio, sprockets matched. You see photos and video before it ships.



01

Measured against your drawing

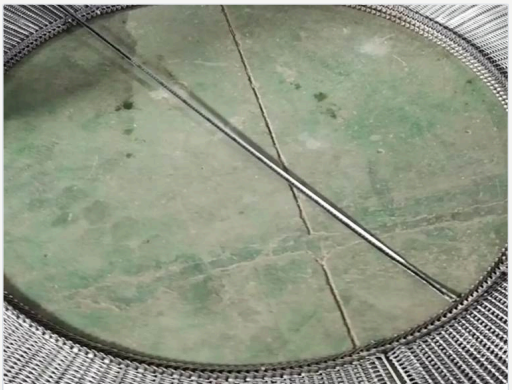
Spiral pitch, wire, rod and link dimensions — every reading compared with your old belt or drawing.



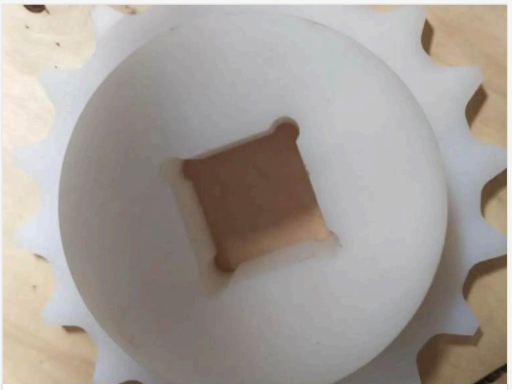
02

You approve a sample

The sample is laid out as a turn and checked against your turn ratio. No bulk production before your approval.



03



04

Drum and turn ratio tested

The belt turns on a test drum matched to your drum diameter and turn ratio; width, pitch and accessories are checked.

Sprockets checked with the belt

Teeth, bore and keyway checked against the drawing and packed with your belt.

Also checked: wire and rod traced by batch to your order (SUS304 / SUS316) · edge welds reviewed for fusion and burrs · photos and video sent before the crate is closed.

ENGINEERING EXPERIENCE

05 Problems You May See on a Spiral Belt — and How They Are Prevented

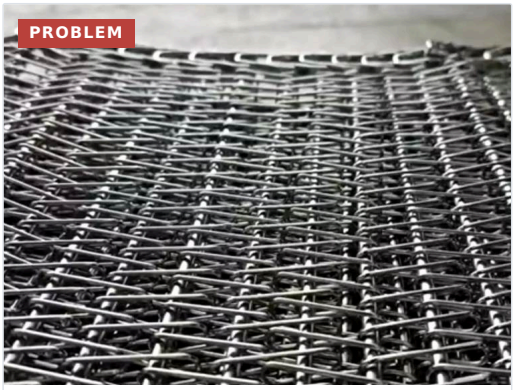
Rust, an uneven surface, cracked rod-end welds and burrs mean tracking trouble, hygiene findings and downtime on your line. Each one has a check before your belt ships.



Rust spots on a rod

Discoloration and rust on a single cross rod in an otherwise clean belt.

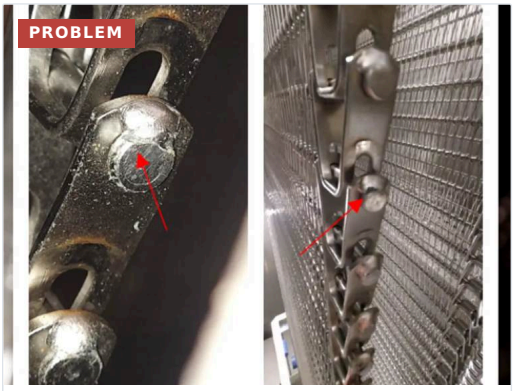
✓ **Rod material confirmed against your order; surface inspected before packing.**



Belt surface not flat

The belt waves instead of lying flat, which affects tracking and product support.

✓ **Pitch and width measured along the belt; flatness checked on the test drum.**



Cracks at the rod-end weld

Cracks or incomplete fusion at button-welded rod ends (arrows).

✓ **Edge welds reviewed for full fusion; close-ups sent before shipment.**



Weld burr on a link

A sharp burr left at the weld point — a hygiene and contact-surface risk.

✓ **Weld finishing and a burr review at the edge welding gate.**

PROJECT CASE · ANONYMIZED

Weld burrs on a spiral freezer belt: from hidden risk to controlled replacement

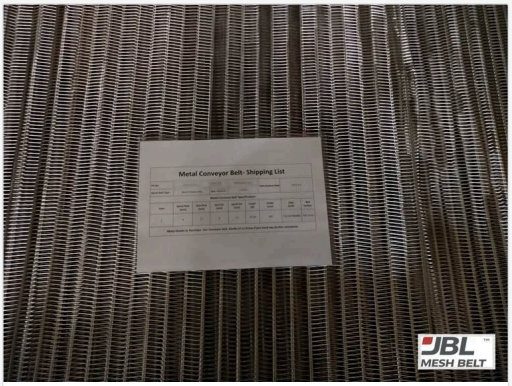
01
Problem found
Small weld burrs on a running spiral belt became a hygiene and contact-surface concern.

02
Engineering review
Old belt photos, pitch, edge and weld areas reviewed together — where burrs appear under load.

03
Controlled replacement
Weld finishing, surface consistency checks and a burr review before delivery.

06 SHIPMENT RECORDS
What Arrives at Your Plant

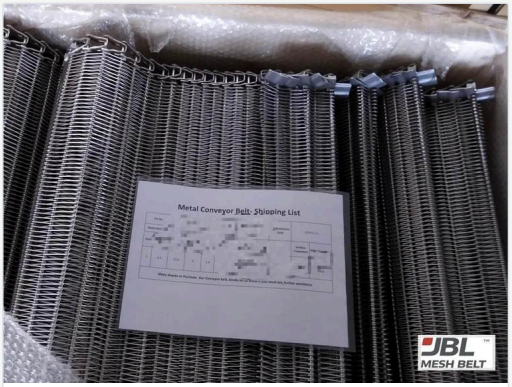
Your belt arrives with a shipping list your team can check on arrival, and the sprockets in the same crate. Real shipments; order numbers hidden.



Shipping list on the belt
Spiral and rod pitch, wire and rod diameter, width, length, edge and surface — check it on arrival.



Belt and sprockets together
Sprockets packed in the same crate as the belt they were checked with.



Belt sections in the crate
Laid flat and wrapped in the crate, with the shipping list on top.



Export crate
Closed after you have seen the photos and video.

Send a drawing, an old belt section or photos with a caliper in the picture.

An engineer replies with what fits, what is missing and the next step — usually within 8 hours.

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JBL Mesh Belt — Jin Bei Li Metal (Suzhou) Co., Ltd. Reference document; project values are confirmed in writing before production.