JBL MESH BELT

ENGINEERED · MATCHED · DELIVERED

Engineering-Controlled Metal Conveyor Belt Partner

TECHNICAL GUIDE · SURFACE TREATMENT

Surface Treatment: Confirmed for Each Order

Mill finish, pickling, passivation and electropolishing are separate items. Which one your belt has is confirmed per order.

Electropolished · Australia **Pickled · Spain** **Mill finish · Australia**



Finishes on four real projects

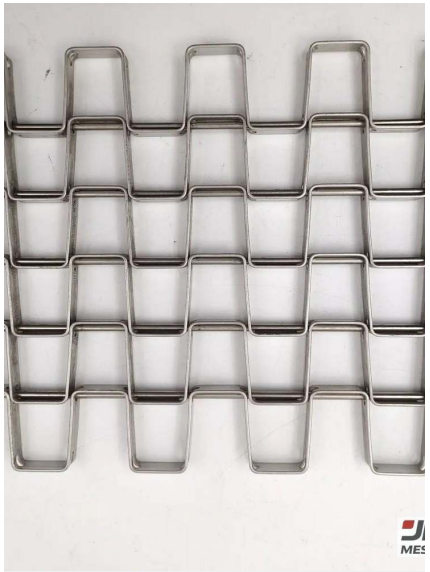
The finish recorded on four real projects.



Electropolished · spiral belt, Australia



Pickled · eye link belt, Spain



Mill finish · flat wire belt, Australia



Mill finish · chain-driven belt, Australia

Projects: Australia 2023–2024, Spain 2026, Australia 2022, Australia 2023

See: Material & Food-Contact Documents

Four terms, each confirmed separately

An option on one product is not standard on others.

Mill finish	No further surface treatment after forming and welding
Pickling	Acid treatment to remove heat tint and scale after welding
Passivation	Treatment of the stainless steel surface layer
Electropolishing	Electrochemical treatment of the surface
On your order	Each one confirmed per order



Pickled eye link belt, Spain



Electropolished, Australia



Mill finish, Australia



Pickled, Spain

Project finishes: JBL Mesh Belt case records, Projects: Spain 2026, Australia 2023–2024

See: Understanding a Quotation

Australia: electropolished spiral belt

Bakery cooling spiral, about 400 m: flat-head welded edge, electropolished.



Sample laid out



Sample edge links and rod heads



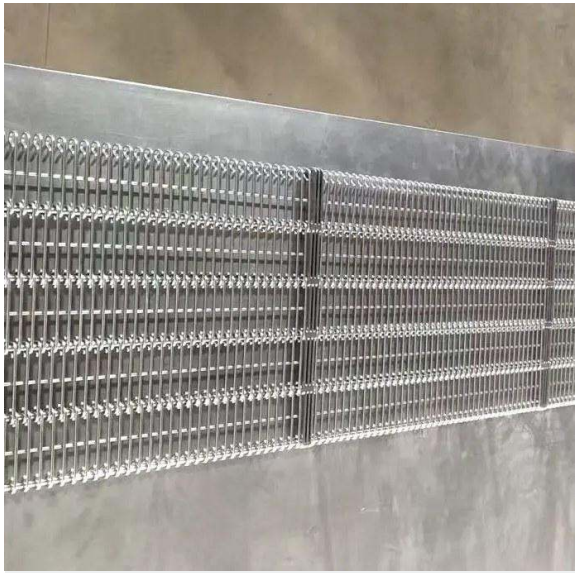
Belt with spare rods and sprockets

Australia 2023–2024

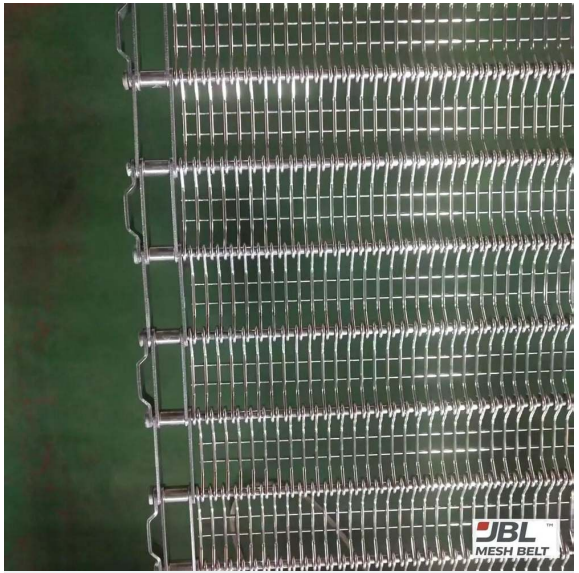
See: Spiral Freezer Belt Project Cases

Spain: pickled eye link belts

Shrimp IQF line, about 100 m: SUS304, washer-welded, pickled.



Sample sections laid out



Bulk belt: roller-chain edge



Rolled sections in a lined crate

Spain 2026

See: Eye Link Belt Project Case

Australia: two belts in mill finish

Can washing belt (SUS316 / 316L) and steam oven belt (SUS316 mesh, SUS304 chain).



Can washing: clenched edge



Can washing: bulk rod 3.00 mm



Steam oven: chain edge and guide rollers

Australia 2022, Australia 2023

See: Flat Wire Belt Project Cases

What decides the finish

The line and your QA requirements, not the catalogue.

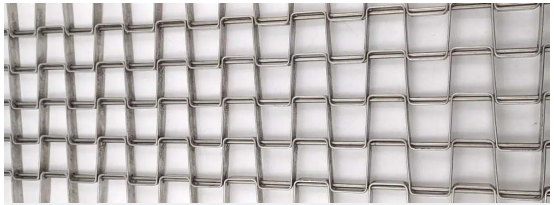


Steam oven belt, Australia

Product contact	Direct contact, or packed product
Cleaning	Method and chemicals used
Temperature	Lowest and highest on the line
Your standard	What your QA requires
Documents	Test reports only when testing is quoted



Shrimp IQF line, Spain



Can washing line, Australia

Projects: Australia 2023, Spain 2026, Australia 2022

See: Material & Food-Contact Documents

How cleaning conditions affect grade and finish

How a line is cleaned changes the choice more often than the product does.



Steam oven belt: steam, acid and alkaline cleaning

Chlorides: salt, brine, cleaners	Pitting and spot corrosion: grade, finish, rinsing
Acid or alkaline cleaners	Strong, hot or not rinsed: grade, finish, plastic parts
Frequent hot washing	Thermal cycling: plastic sprockets and strips
Humidity, condensation	Wet between cleans: grade, drainage, finish
Fat, oil, frozen residue	Harder cleaning: finish, weld quality



Fryer belt: hot oil, Libya



Shrimp IQF line, Spain

JBL Mesh Belt engineering articles, 2026, Projects: Australia 2023, Libya 2025, Spain 2026

Tell us your line → page 13

How the finish is confirmed on your order

The finish is confirmed per order.

Quotation	Finish confirmed for the belt you asked for
PI	Confirmed per order
One product's option	Not extended to other products
Test report	Not implied; quoted separately if needed

JBL MESH BELT

Proforma Invoice

Payee	Jin Bei Li Metal (Suzhou) Co., Ltd.
Specification	same as the quotation
Quantity	confirmed
Payment	T/T
Deposit	30% to start
Balance	70% before shipment
Before the balance	inspection photos + video

Example layout — not a real document

Example layout, not a real PI

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Material Certificate

Product	as on your PI
Material grade	e.g. SUS304 / SUS316
Part	rod · wire · strip · chain
Batch no.	traceable to the batch
Quantity	as shipped
Standard	as stated on the certificate

Example layout — not a real document

Material certificate (example layout)



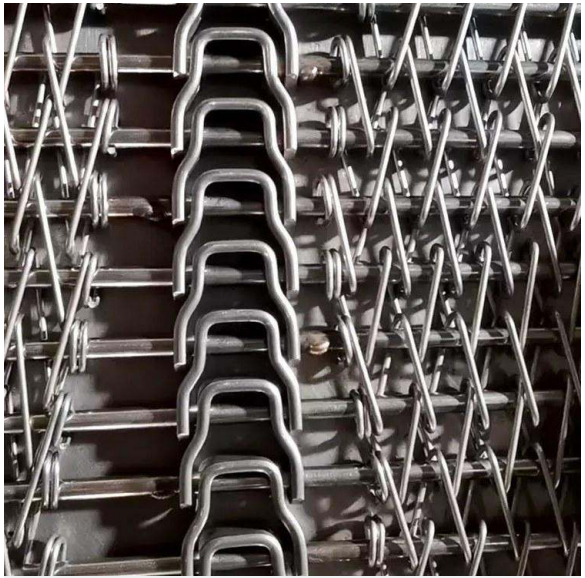
Electropolished edge, Australia

JBL Mesh Belt order terms, 2026, Projects: Australia 2023–2024

See: Payment & Payment Safety

Smooth welds matter as much as the finish

Rough welds, burrs and spatter trap product and cleaning chemicals.



Malaysia: welds and rod ends ground a second time

Smooth, ground welds	No crevices or burrs to trap residue
Pickled surface	Weld discolouration and surface contamination removed
Electropolished surface	Smoother, easier to clean; the grade does not change
Even along the belt	No marked sections; uneven polish is checked for
On the drawing	Weld finish written separately, checked on the sample



Trial edge welds checked



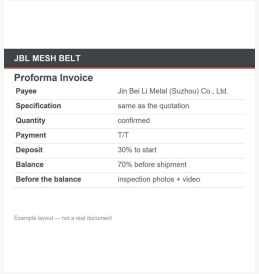
Weld, close up, USA

JBL Mesh Belt engineering articles, 2026, Malaysia 2026, waffle line 2026, USA 2024

Tell us your line → page 13

Questions about surface treatment

Short answers on surface finish, with the evidence pages.


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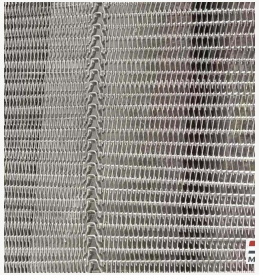
Is there a standard finish?

No default; the finish is confirmed per order.



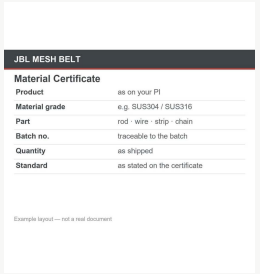
Electropolishing available?

Supplied on the Australia spiral belt; yours is confirmed per order.



Pickling and passivation?

Separate items; each is confirmed per order if supplied.


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Material Certificate

Product	as on your PI
Material grade	e.g. SUS304 / SUS316
Part	rod · wire · strip · chain
Batch no.	traceable to the batch
Quantity	as shipped
Standard	as stated on the certificate

Example layout — not a real document

Is there a test report?

Only when testing is quoted and ordered.

Projects: Australia 2023–2024

Tell us your line → page 13

Working with JBL Mesh Belt

Who you work with, and how each project runs.

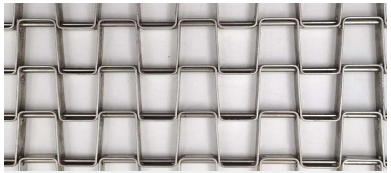


Spring Liu
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JBL Mesh Belt is a brand of Jin Bei Li Metal (Suzhou) Co., Ltd. — Suzhou, China, since 2015.

1. Drawing or old belt reviewed before quoting
2. Sample or trial section confirmed before production
3. Readings and photos until delivery



Reviewed: the buyer's sample



Confirmed: finish for the project



Reported: photos before shipment

Projects: Australia 2022, Spain 2026, Australia 2023–2024

Send details → page 13

Surface finish question? Send these

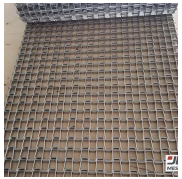
Six items to start a surface finish review.



1 Product and how it touches the belt



2 Cleaning method and chemicals



3 Temperature range



4 The standard your QA requires



5 Finish on your current belt, if known



6 Photos of your current belt

Send it on WhatsApp

+86 138 1487 2506

info@jblmeshbelt.com

Your drawings and photos are used only for your project.

Scan to chat

Projects: Australia 2023–2024, Australia 2022, USA 2024, Waffle cooling spiral 2026

Full quote checklist → What to Send for a Quote

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START A PROJECT WITH JBL

Engineering-Controlled Metal Conveyor Belt Partner

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Send your drawing, old-belt photos or required dimensions.

Tell us your line conditions, and the finish is confirmed per order.

RELATED BOOKS

- Material & Food-Contact Documents
- Understanding a Quotation
- Edge Styles
- What to Send for a Quote

GET IN TOUCH

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