

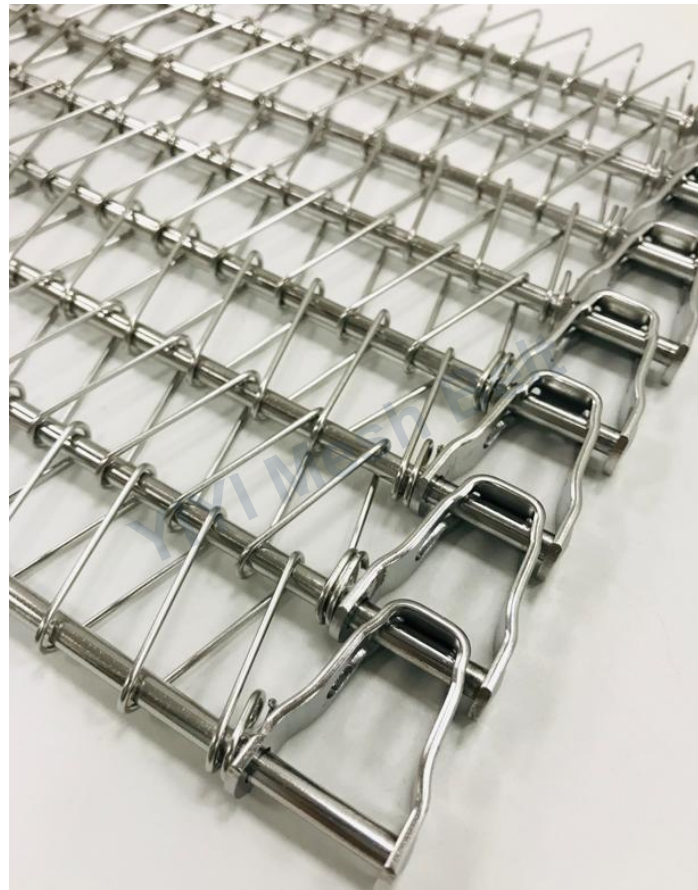


SELECTION & SPECIFICATION

SURFACE TREATMENT

Stainless steel conveyor belts
Pickling and electropolishing

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Choosing a surface treatment

Pickling

Removes scale and heat tint from stainless steel fabrication.

The resulting appearance may be matt or less reflective.

Electropolishing

Uses electrochemical metal removal to reduce micro-roughness.

Can produce a smoother, brighter surface and improve cleanability.

Select by material, application and cleaning conditions.
Agree a finish sample when appearance is important.

Pickling and passivation

Pickling

Removes heat-related oxides and the chromium-depleted layer beneath them.

Passivation

Targets surface contamination such as free iron and supports the passive film. It is a separate treatment concept.

Confirm the required treatment sequence and final rinsing requirements.



Pickled stainless steel conveyor belt

Electropolishing

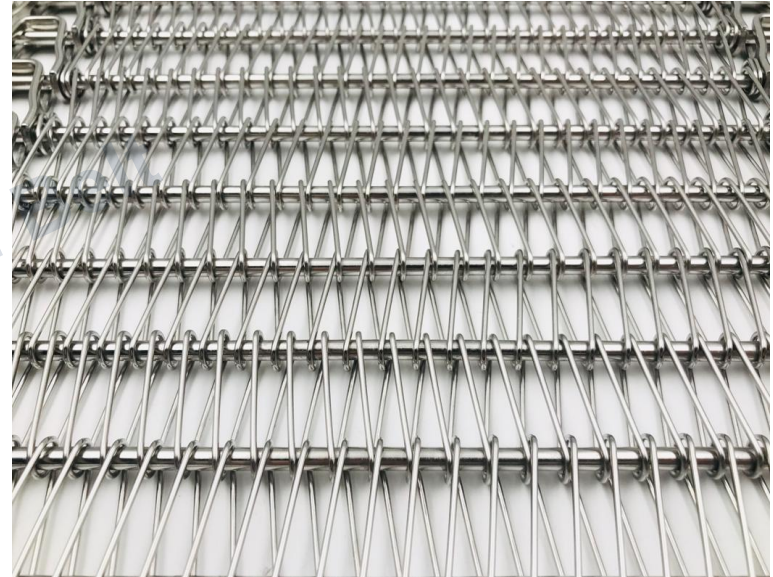
What it can do

Reduce microscopic surface peaks and brighten stainless steel.

What to specify

Agree the finish sample, critical surfaces and dimensional tolerances.
Request test records where needed.

Results depend on alloy, starting surface and process conditions.



Electropolished stainless steel conveyor belt

Surface appearance comparison

Pickled sample



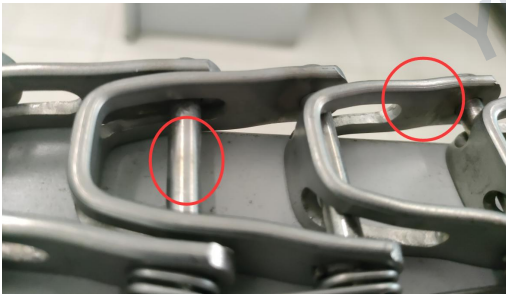
Electropolished sample



Appearance examples only. Lighting, geometry and the starting surface affect the result.

Edge and rod details

Pickled sample



Electropolished sample



Review edges, joints and contact areas against the agreed sample and drawing.

Information for quotation and review

Belt and material

Belt type, stainless steel grade, drawing and critical dimensions (mm / in).

Service conditions

Product contact, operating temperature, cleaning chemicals and cleaning cycle.

Finish requirements

Preferred treatment, approved sample, roughness target and measurement locations if specified.

Acceptance and records

Inspection criteria, required standards, test reports and packing requirements to confirm during quotation.

Treatment scope, acceptance criteria and available records are subject to project confirmation.



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Discuss your belt surface requirements

- Stainless steel grade and belt type
- Operating and cleaning conditions
- Drawings and dimensions (mm / in)
- Target finish or reference sample
- Required inspection documents

[Request a Project Review](#)