



PRODUCTION & QUALITY CONTROL

FLAT WIRE / HONEYCOMB BELT

Manufacturing processes
and project inspection

PROVEN · STABLE · VERIFIED



Manufacturing and project control

Ningjin Yiyi Mesh Belt Co., Ltd.

A manufacturer of metal conveyor belts and related conveyor components based in Ningjin, Shandong, China.

Manufacturing experience since 1998.
Current company established in 2008.

Core belt forming, assembly, welding and inspection are managed in-house. Selected surface treatments and supporting components use external suppliers.



YIYI MESH BELT manufacturing site

Approval and inspection sequence

Stage	Control point
01 Drawing approval	Confirm dimensions, materials and equipment interfaces.
02 Trial production	Inspect the first article before mass production.
03 Interface review	Review strip geometry, rod pitch and drive interfaces.
04 Mass production	Check formed components, assembly and weld condition.
05 Final inspection	Inspect the finished belt before shipment.
06 Packing and records	Confirm packing requirements and retain order records.

Project drawings define the final configuration and inspection requirements.

Round-bar drawing



In-house rod preparation

Round-bar drawing is part of YIYI MESH BELT's material preparation capability.

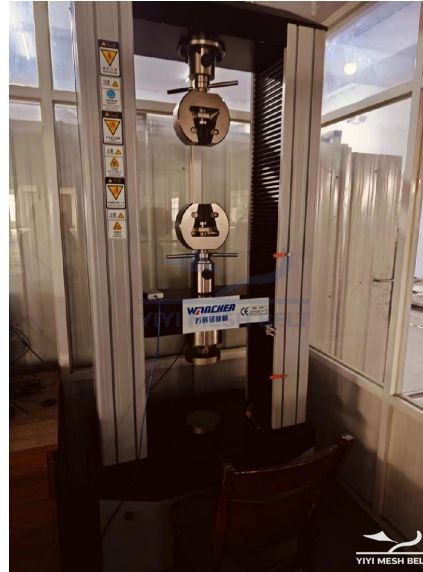
Project requirement

Rod material and diameter are selected for the belt design and approved drawing.

Material inspection equipment



Alloy composition screening



Tensile testing equipment



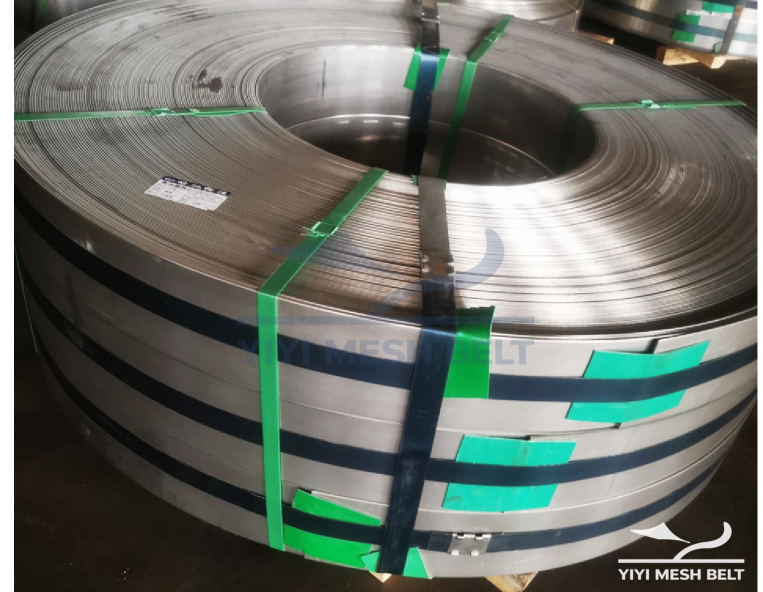
Hardness testing equipment

Confirm the applicable test method, acceptance criteria and required material records for each project.

Flat-strip material preparation



Flat-strip stock



Material preparation

Confirm strip material, thickness and height for the selected belt construction.

Rod and flat-strip dimensional checks



Rod diameter measurement



Strip thickness measurement

Check rod diameter and strip thickness against the approved specification. Agree dimensions and tolerances in mm / in.

Flat-strip punching and forming



Production equipment



Forming workshop

Form and punch the strip components to the approved mesh geometry.

Component preparation and belt assembly



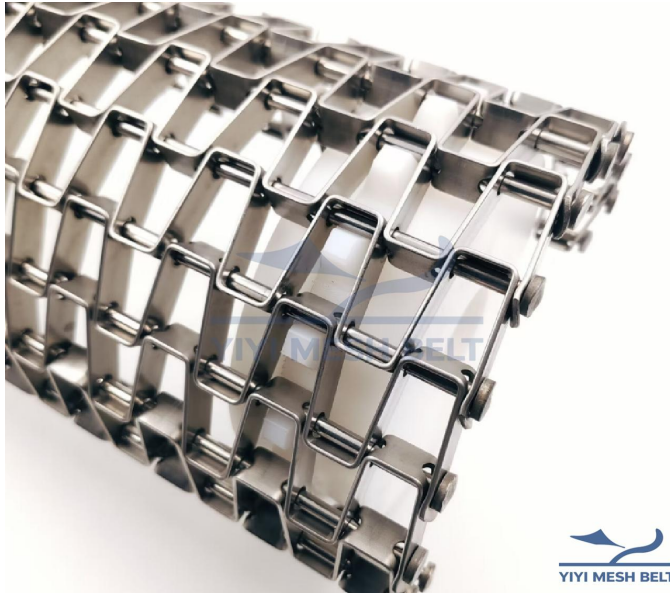
Assemble formed strips and cross rods to the selected pitch, opening count and edge construction.

Trial production and first-article inspection



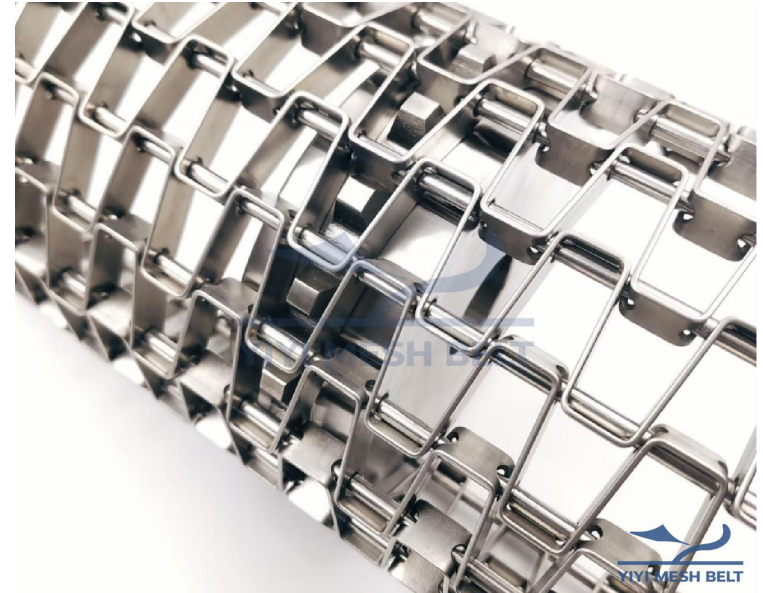
Customized orders undergo trial production and first-article inspection before mass production. Use approved drawings for acceptance dimensions and tolerances.

Belt construction and drive-interface review



Belt construction detail

Confirm rod pitch, strip geometry and the drive arrangement together. Review sprocket geometry and mounting dimensions where required.



Edge and rod arrangement

Surface condition inspection



Belt surface detail



Finished belt surface

Inspect surface condition against the selected material and finish. Where treatment is specified, re-inspection follows treatment; selected treatments use external suppliers.

Welded edge inspection



Welded edge detail



Finished welded edge

Inspect the specified welded edge for weld condition and consistency.

Clenched edge inspection



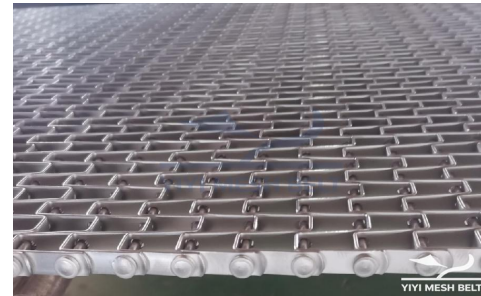
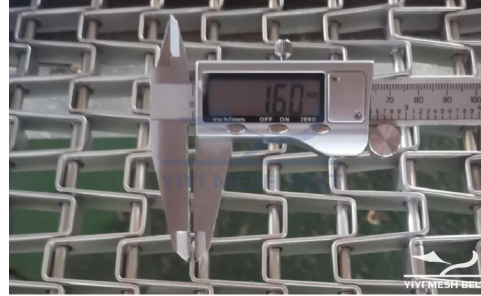
Clenched edge detail



Rod-end arrangement

Inspect the clenched edge and rod-end geometry against the selected construction.

Finished belt dimensional inspection



Check finished belt dimensions against the approved specification. Measurement photographs show project examples, not universal belt dimensions.

Protective packing and order identification



Protected belt



Packing and identification

Confirm belt protection, supplied accessories and packing requirements against the order before shipment.

Wooden-case packing



Packed shipment



Wooden-case protection

Packing follows the agreed transport route and destination requirements. Wooden-case fabrication uses external suppliers.

Project records and repeat-order support

Record	Purpose for the buyer
Approved drawing and revision	Maintain the agreed specification for manufacture and reorders.
Material and production records	Support order traceability and review of manufacturing history.
Inspection records and photographs	Review recorded checks against the agreed requirements.
Customer confirmations	Retain technical decisions and approved changes.

Agree the inspection documents you need before production.

For replacement projects, include existing belt details, equipment geometry and operating conditions.



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for OEMs & Professional Distributors

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Send Your Drawing for Production Review

- Belt dimensions (mm / in)
- Equipment and drive geometry
- Material and operating conditions
- Inspection requirements
- Existing belt photos / sample

Request an Engineering Review