YIYI MESH BELT

PRODUCTION & QUALITY CONTROL

SIDE DRIVEN BELT

Manufacturing processes and project inspection

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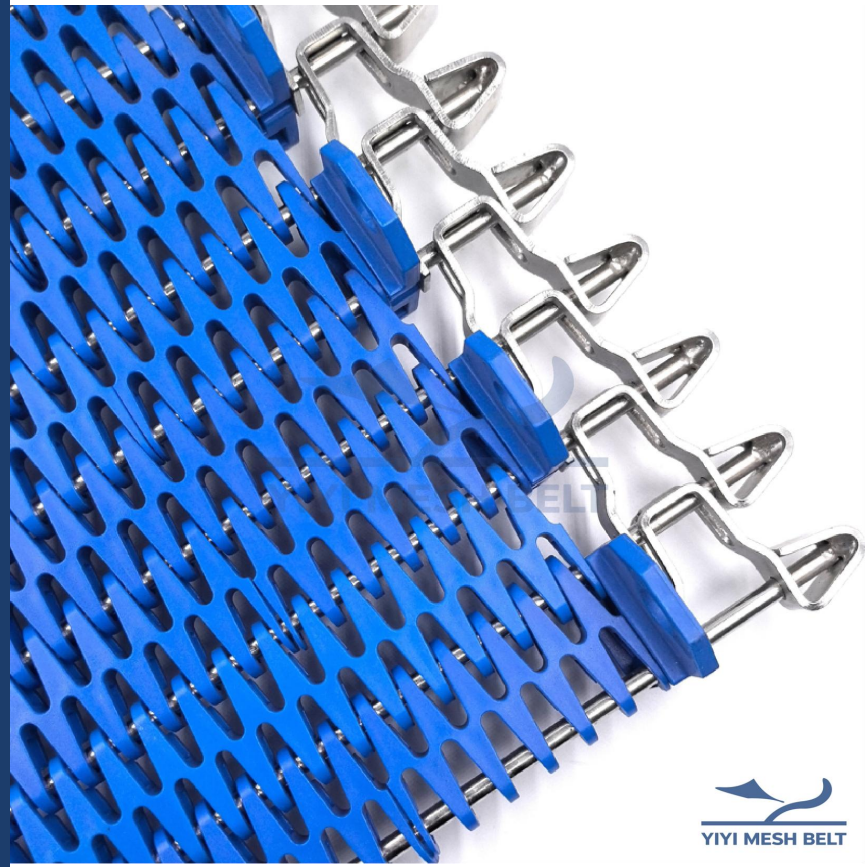


Manufacturing and project control

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 drive blocks, belt geometry and equipment matching.
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.

Stainless steel wire drawing

In-house wire preparation

Dedicated wire-drawing equipment supports the preparation of stainless steel wire for belt manufacture.

Project requirement

Confirm the material grade and wire diameter against the approved specification.

Round-bar drawing

In-house rod preparation

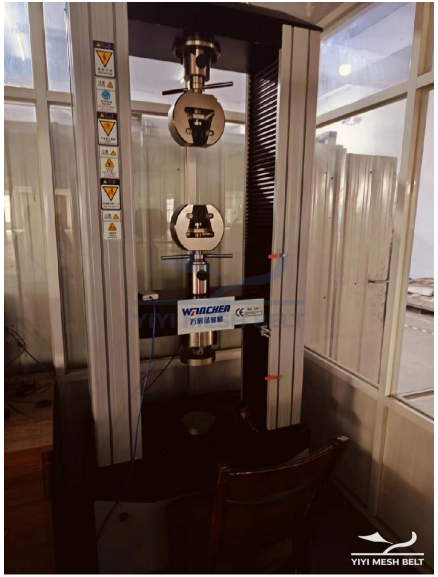
Round-bar drawing is part of YIYI MESH BELT's material preparation capability.

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.

Wire and rod diameter checks

Wire diameter measurement

Rod diameter measurement

Check wire and rod diameters against the approved specification. Agree dimensions and tolerances in mm / in for the project.

Spiral wire forming

Spiral forming equipment

Production workshop

Wire is formed into spiral elements. Confirm the mesh geometry and wire dimensions before batch production.

Spiral forming inspection

Formed spiral measurement

Spiral geometry check

Trial pieces are checked against the approved geometry before continuing production.

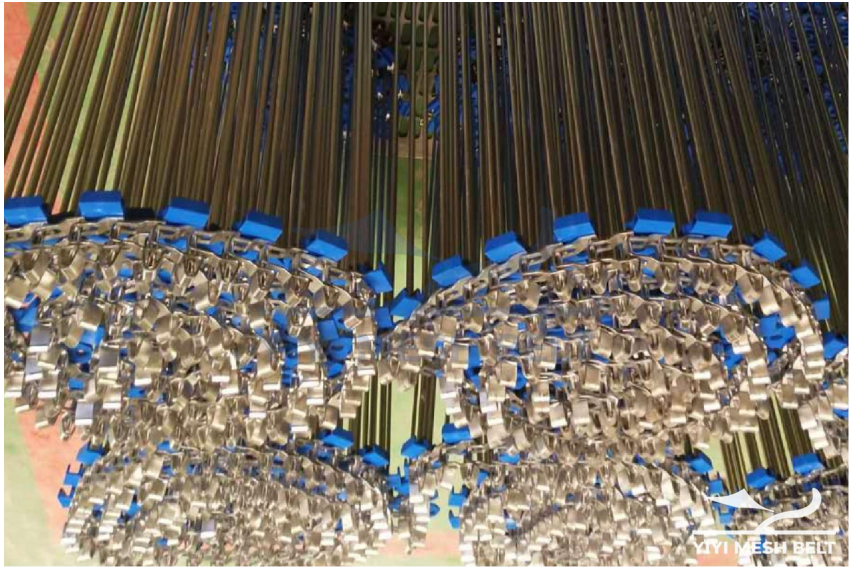
Trial production and first-article inspection

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

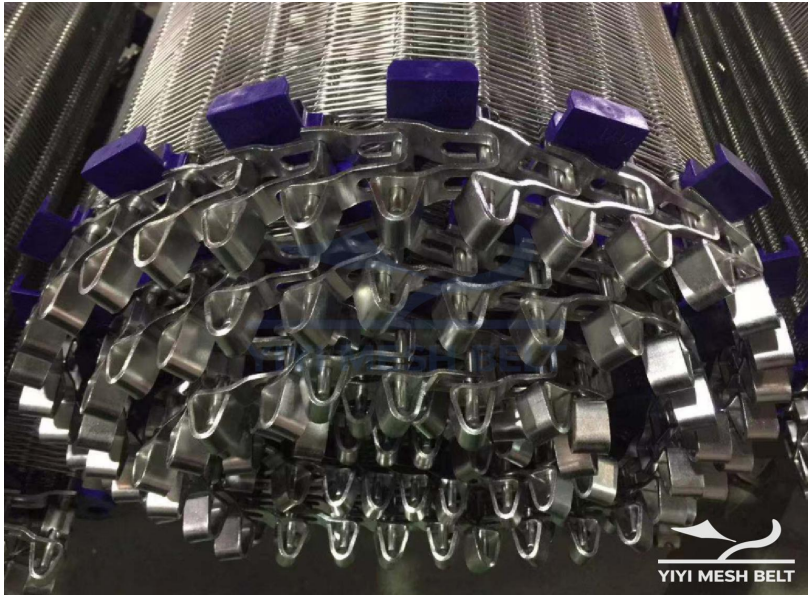
Finished belt and drive-component inspection

Check belt dimensions and drive-block geometry against the approved drawing. Review the drive arrangement and drum geometry for the project.

Edge finish inspection



Edge construction detail



Finished edge detail

Inspect the selected edge construction for connection condition, consistency and burrs against the agreed requirements.

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 / drum geometry
- Material and operating conditions
- Inspection requirements
- Existing belt photos / sample

Request an Engineering Review