

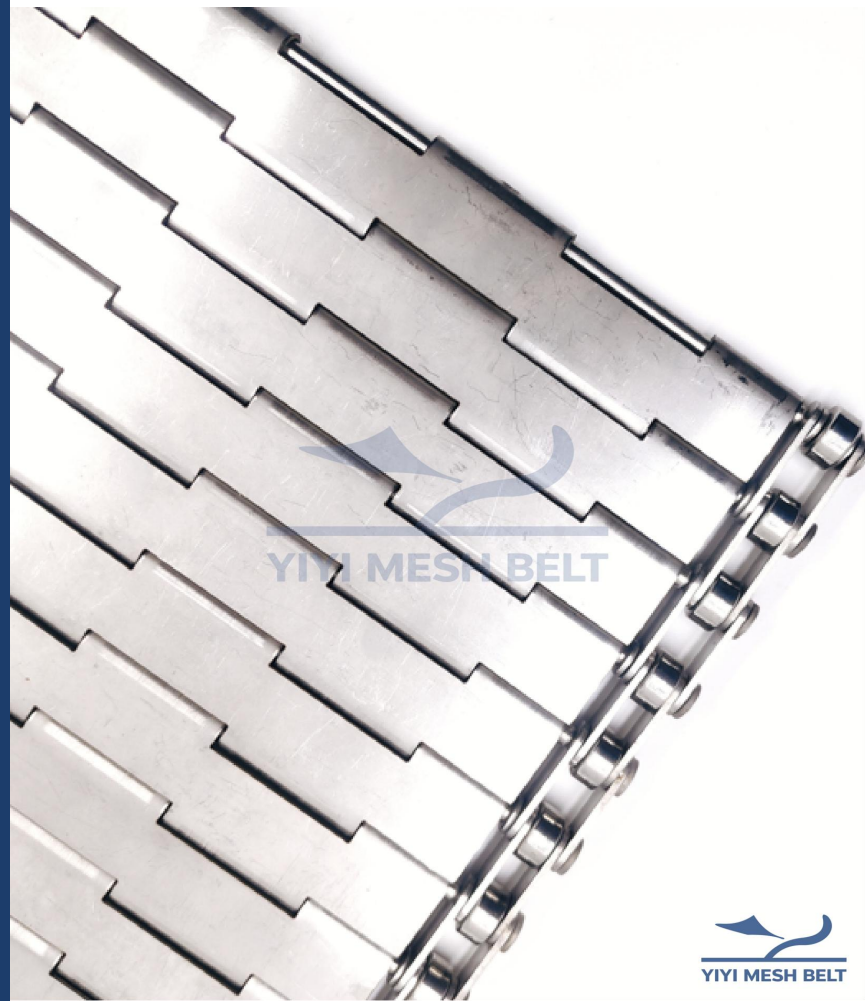


PRODUCTION & QUALITY CONTROL

CHAIN PLATE / PLATE LINK 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	Confirm plate pitch, chain 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.

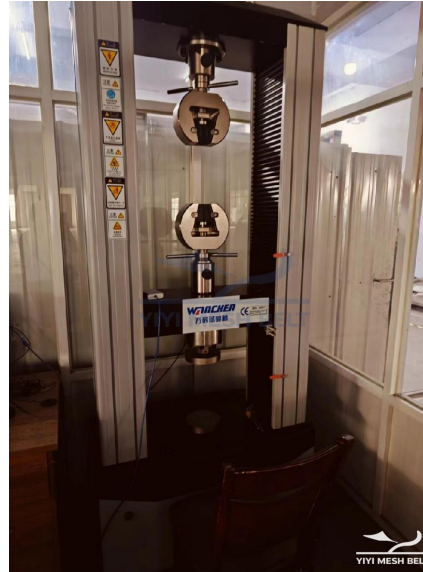
Project requirement

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.

Plate material and rod dimensional checks



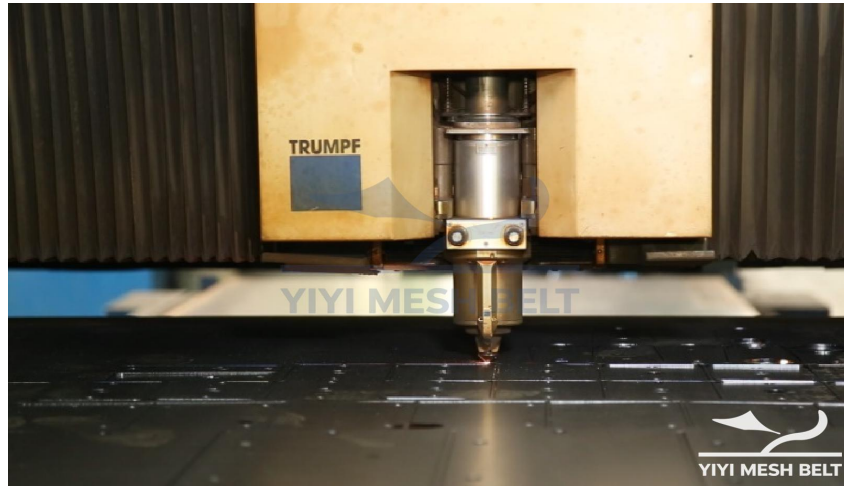
Material thickness measurement



Rod diameter measurement

Check material thickness and rod diameter against the selected plate construction.

Laser cutting



Cutting detail



Laser cutting equipment

Cut plate components to the selected geometry. Hole patterns, dimensions and tolerances follow the approved drawing.

Plate cutting details



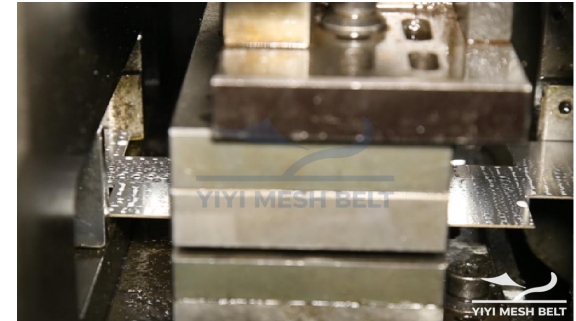
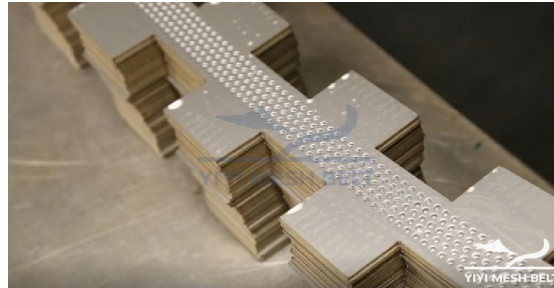
Plate cutting process



Cut plate detail

Review the cut plate geometry before forming and assembly.

Plate punching and forming



Production equipment

Formed plate detail

Tooling detail

Form plate features according to the approved design, including the selected solid or perforated surface.

Chain-plate punching



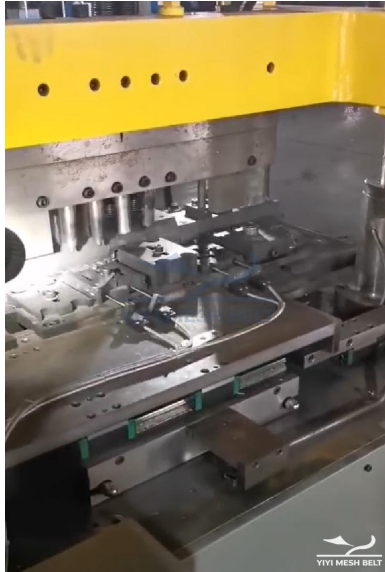
Punching equipment



Punching detail

Produce the selected component geometry using the approved tooling and specification.

Chain component manufacturing



Component tooling



Forming detail



Chain components

In-house chain production applies to selected stainless steel specifications. Confirm manufacturing scope by project; other chain types and sprockets may be externally supplied.

Formed component inspection



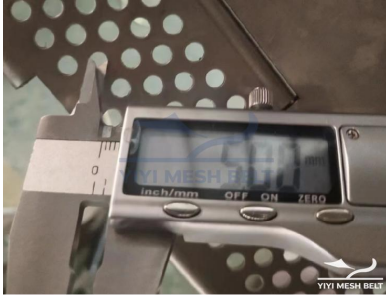
Component measurement

Check semi-finished component dimensions before assembly.



Geometry check

Trial production and first-article inspection

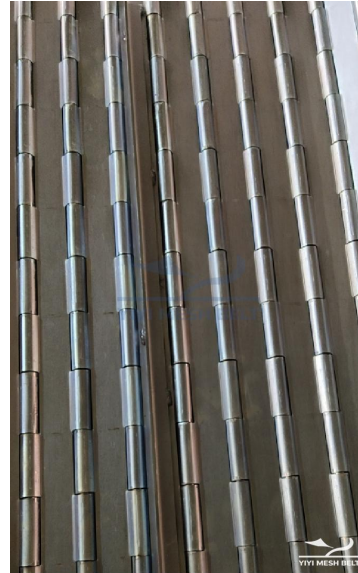


Customized orders undergo trial production and first-article inspection before mass production. Use approved drawings for acceptance dimensions and tolerances.

Surface condition inspection



Belt surface detail



Finished belt surface



Surface detail

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

Plate and chain-edge connection inspection



Chain edge



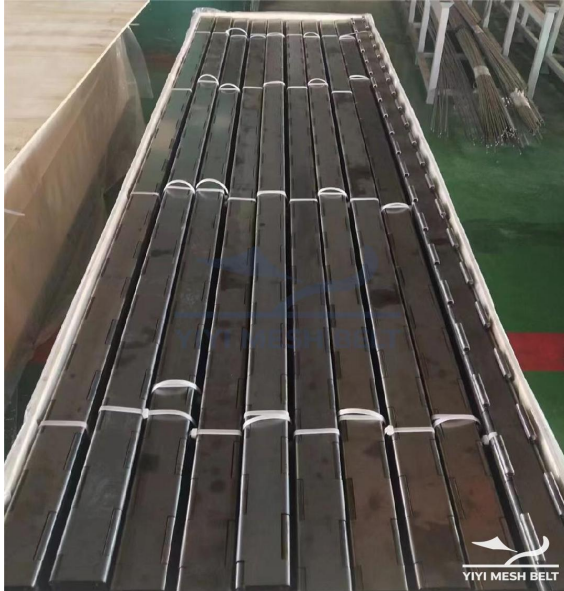
Plate connection



Attachment detail

Inspect plate connections, rod ends and chain attachments. Confirm the approved plate-pitch and chain-pitch combination.

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