

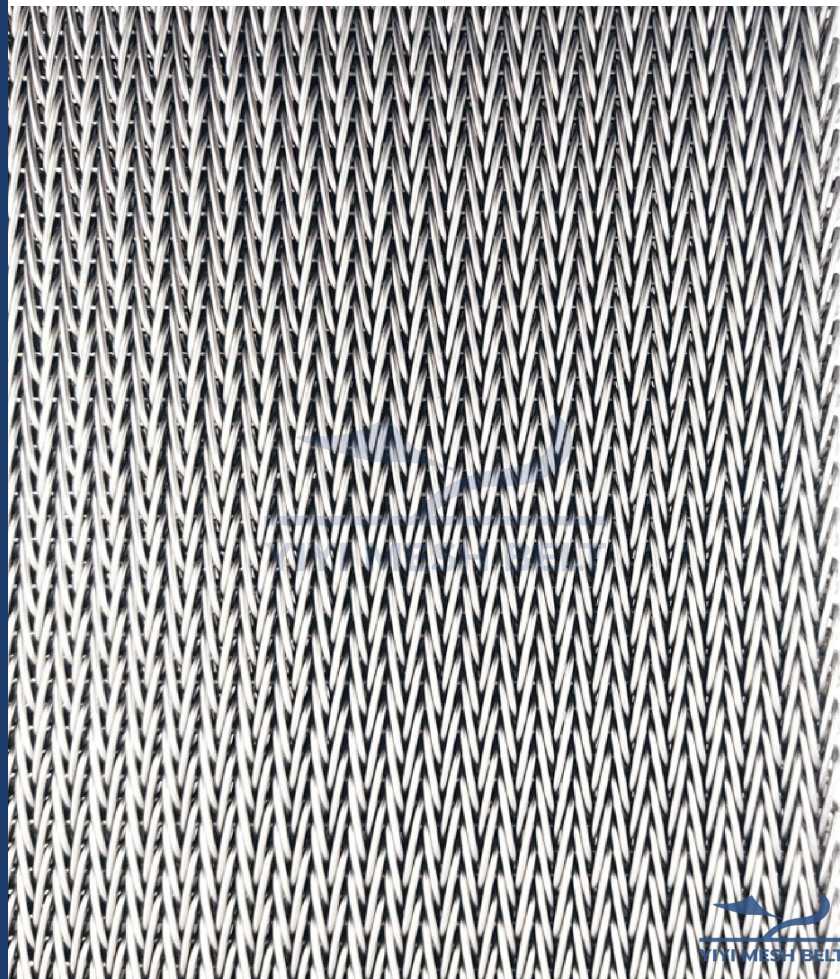


PRODUCTION & QUALITY CONTROL

COMPOUND WEAVE 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	Confirm weave construction and the selected drive arrangement.
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.

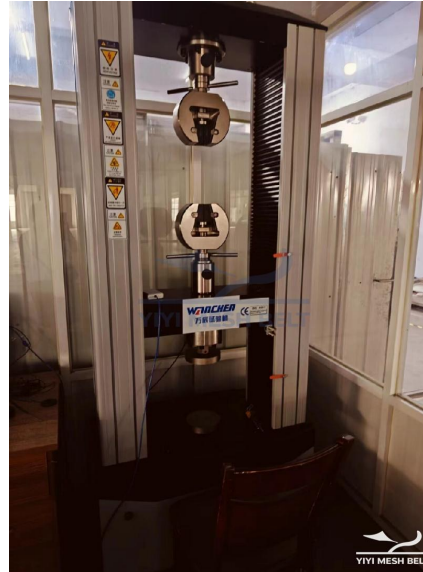
Project requirement

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.

Compound Weave Belt forming equipment



Belt forming equipment



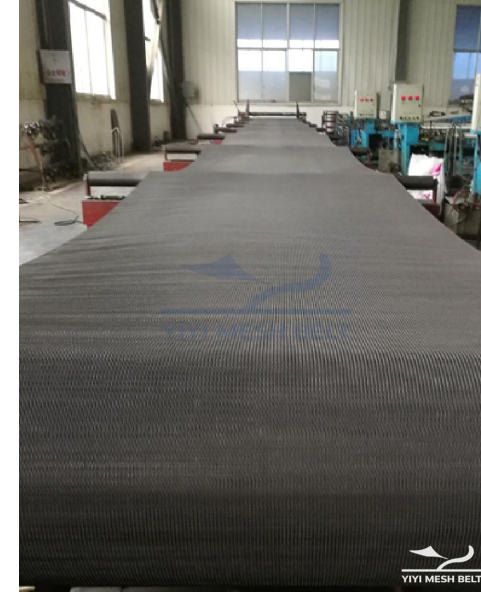
Production detail

Form the belt to the selected spiral and rod arrangement. Construction is defined by the approved drawing.

Belt forming and geometry review



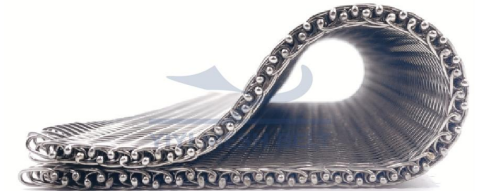
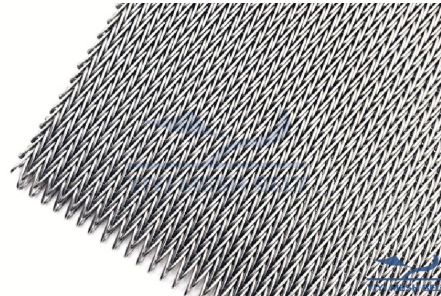
Formed belt detail



Production review

Review formed belt geometry and surface arrangement during production.

Trial production and first-article inspection



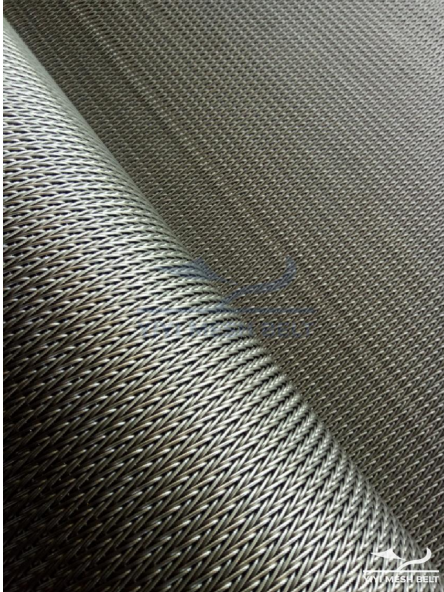
Customized orders undergo trial production and first-article inspection before mass production. Use approved drawings for acceptance dimensions and tolerances.

Finished belt dimensional inspection



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

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.

Mesh construction inspection



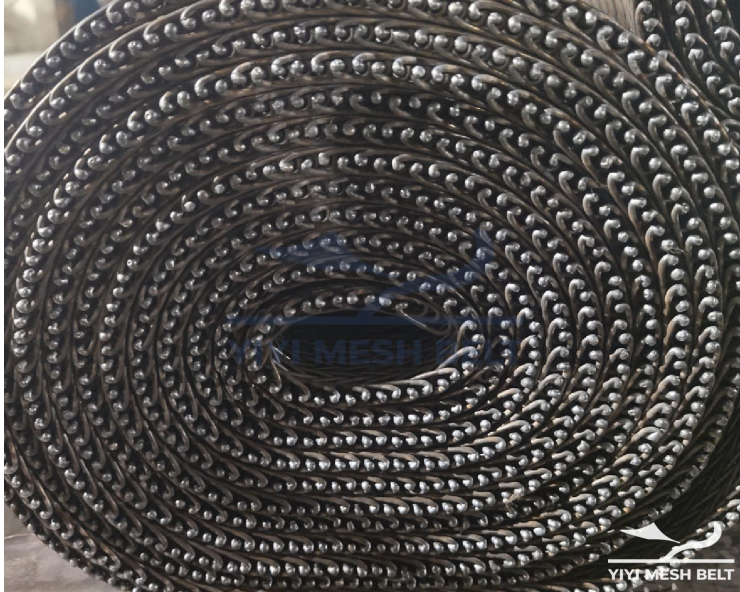
Mesh arrangement

Check the selected weave and rod arrangement against the approved drawing. Specify flat-wire dimensions separately where required.



Construction detail

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 wrapping and wooden-case packing



Protected belt roll



End protection



Wooden-case packing

Protect the belt and confirm packing for the agreed transport route. 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