YIYI MESH BELT

PRODUCTION & QUALITY CONTROL

# BISCUIT BELT

Manufacturing processes and project inspection

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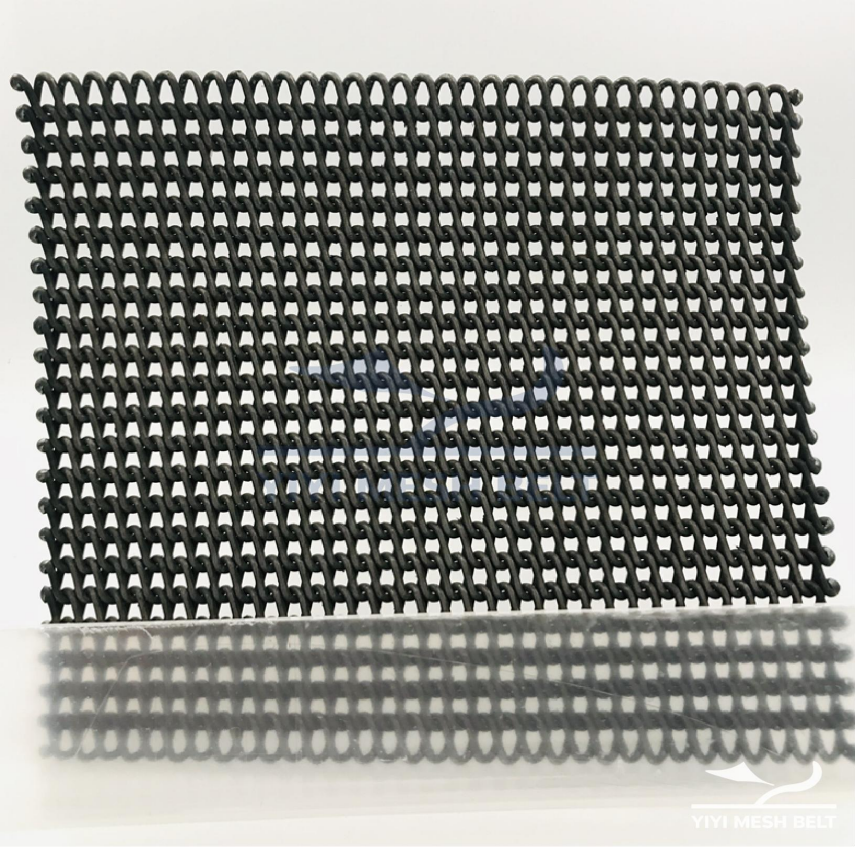


# Manufacturing and project control

## 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 mesh construction, product support and drive geometry. |
| **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

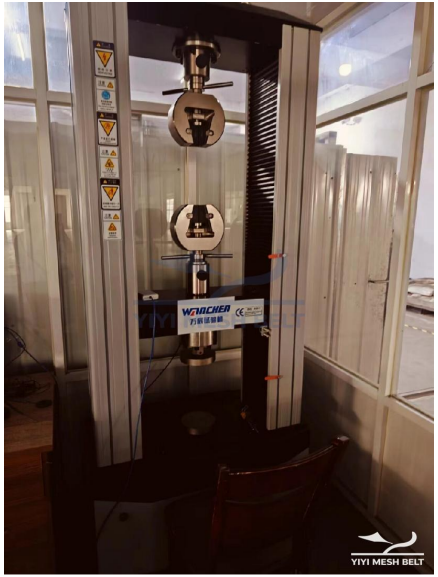
Round-bar drawing is part of YIYI MESH BELT's material preparation capability.

## 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.

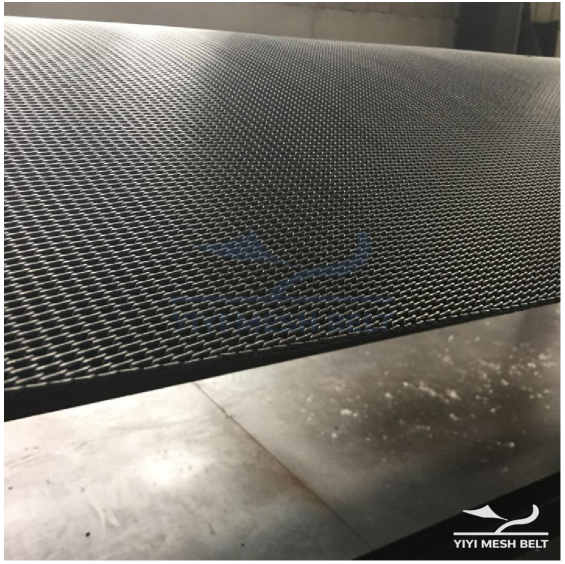
# Belt forming equipment

Belt forming equipment

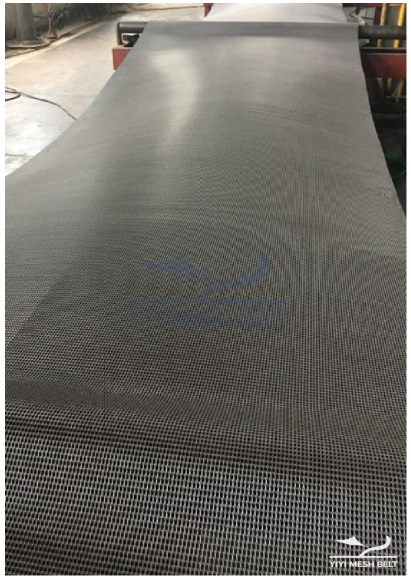
Production detail

Biscuit Belt is an application-based product category. Select the mesh construction for the product and operating conditions.

# Mesh forming and production review




**Formed mesh detail**



**Belt surface arrangement**

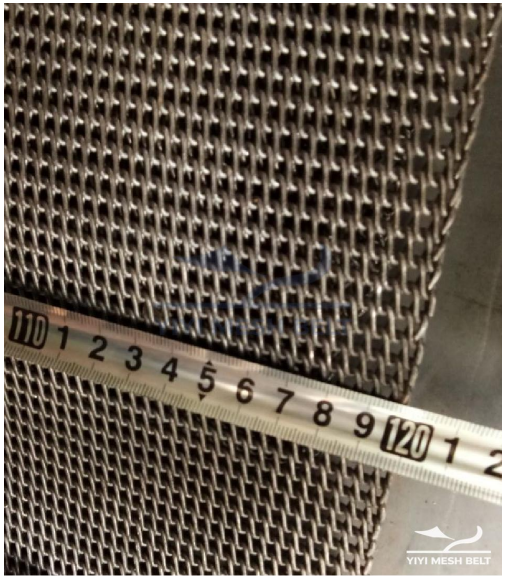
**Production review**

Review the selected mesh structure and formed belt geometry against the approved drawing.

# 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.

# Protective wrapping and wooden-case packing

**Protected belt roll**

**End protection**

**Wooden-case packing**

Confirm belt protection and packing for the agreed route and destination. 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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## Metal Conveyor Belt Manufacturer

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**