Flat Flex Conveyor Belts

PROFESSIONAL WIRE BELTS MANUFACTURER

Overview

Flat Flex Conveyor Belts are also known as Enrober conveyor belts. The flat flex conveyor belt is constructed by several loop wires and then be formed a different edge. The simple structure makes it economical and lightweight. It can help to save costs and reduce downtime. Flat Flex Conveyor Belts are used in many industries. The belts have a lightweight single-layer construction and are positively driven by sprockets. Flat Flex Conveyor Belts are made of stainless steel wire of spring wire. Wire diameters vary from 0.8 to 3.0 mm. Pitches from 4 mm until 2000 mm, and belt widths from 10 mm until 3 meters, also we can make all the (non-standard) dimensions too. The Flat Flex Conveyor Belts have an open structure (70 – 86 % open) and are frequently used in cooling, baking, drying, heating, decorating, battering and packing machines for light products. The Flat Flex Conveyor Belts can be made for straight conveyors and for curve conveyors.
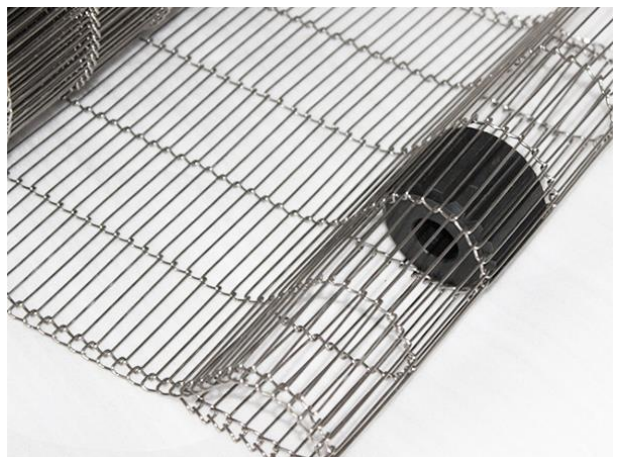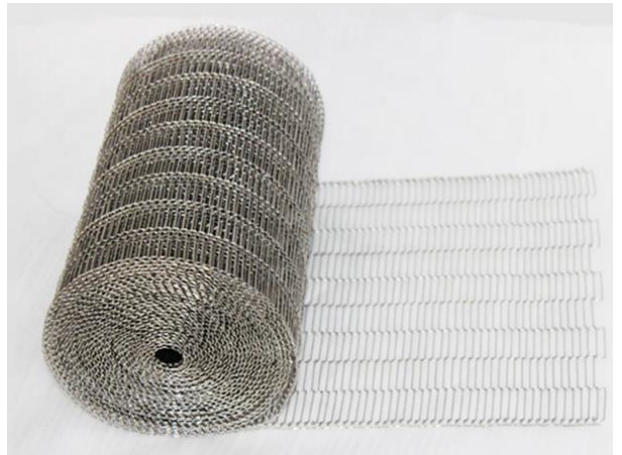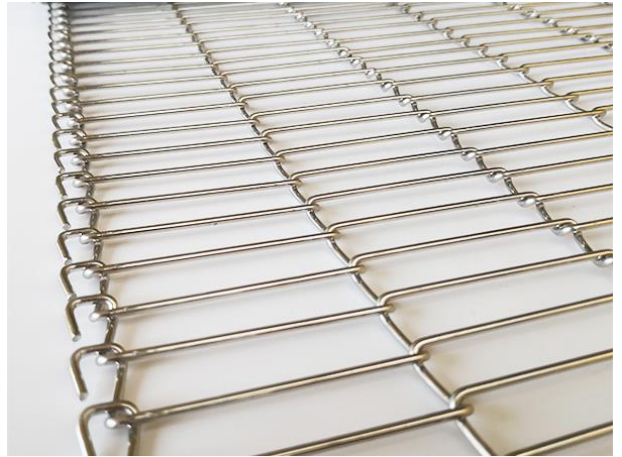
We can not only provide right belts, but also provide matching sprockets and other components.

Flat Flex Conveyor Belts advantages:
The largest proportion of open-mesh area available up to 86%
Easy to clean, clean-in-place design
No-slip, positive drive
Very low belt mass
Smallest diameter end rolls and drive rolls
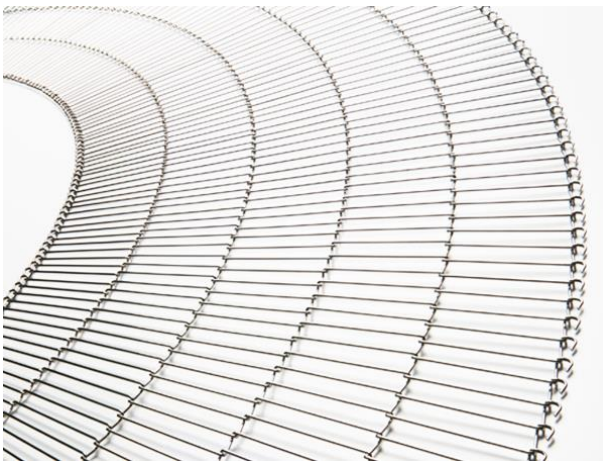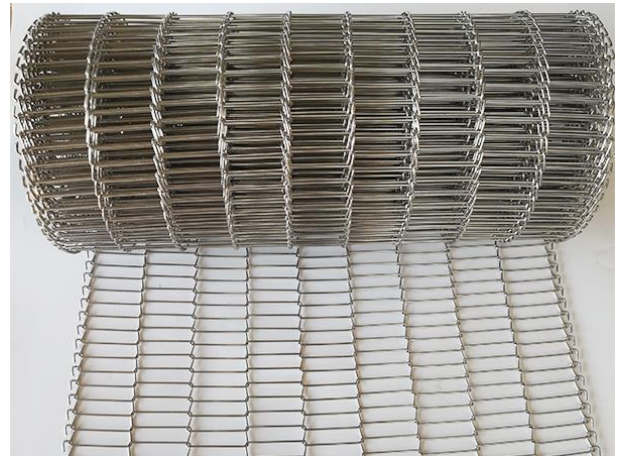Positive driven for accurate tracking
Curved rod network belt to suit different machines

Belt Types

Flat Flex Conveyor Belts are normally driven by toothed sprockets, made of stainless steel or plastic. These sprockets are made to fit the belt and are adapted to the diameter you wish.

Flat Flex Conveyor Belts for straight conveyors

Flat Flex Conveyor Belts for curve conveyor

Edge Availability

Flat Flex Conveyor Belts are available in three edge Loop Types.

1.   With a C-shaped Edge, reduce the ratio of catching and tangling by the belt edge.
2.   With a Single Loop Edge, the most popular wire mesh belt edge finish. It is available for wire diameter 1.27 mm or above
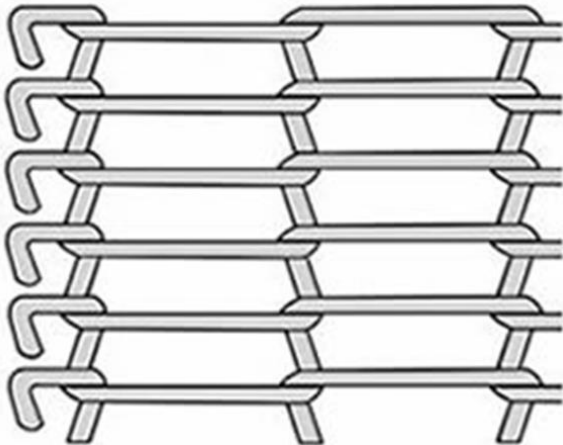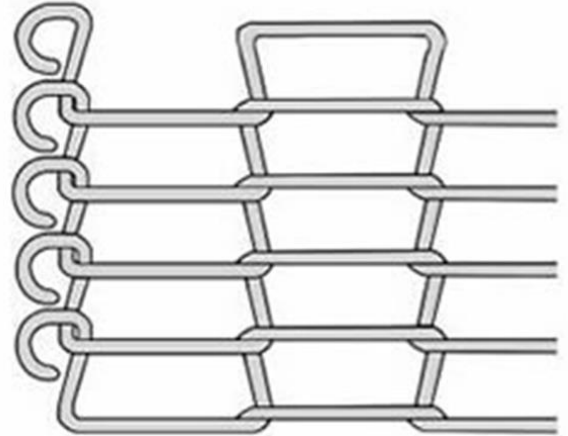3.   With a Double Loop Edge, supplied for enrober belts.

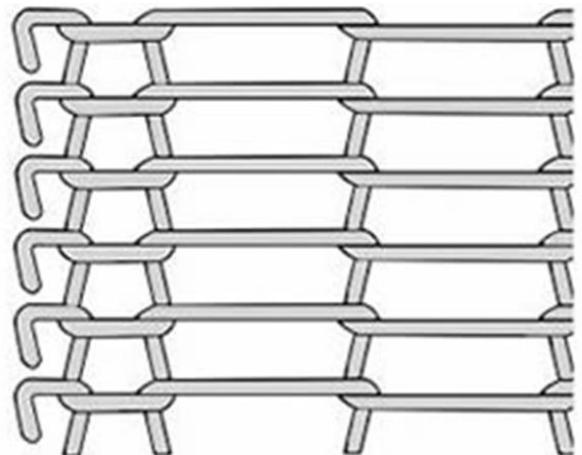## Specialize In Wire Conveyor Belt Manufacturing And Solution.

Diverse combinations of pitch, wire diameter, mesh length and side finishing create a wide range of fit-for-purpose wire mesh conveyor belts.

C-shaped Edge

Single Loop Edge

Double Loop Edge

Material Availability

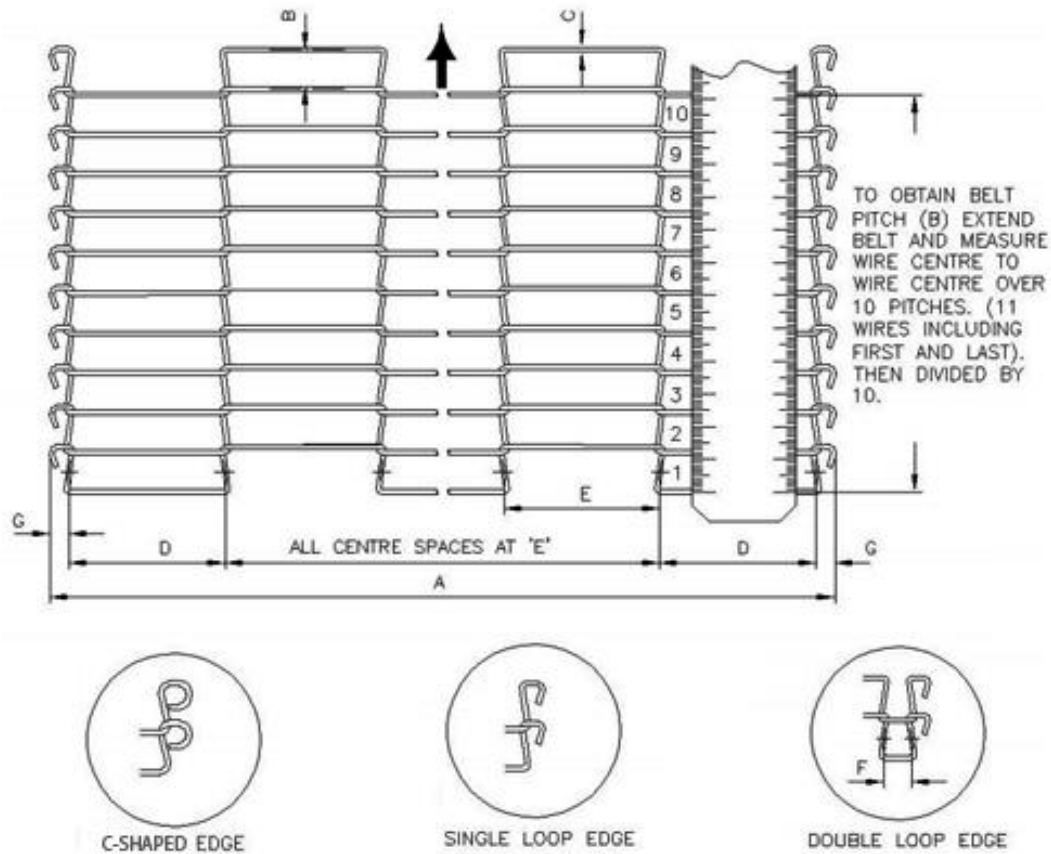Flat Flex Conveyor Belts are available in a wide variety of materials, the standard is 304 stainless steel. Other materials available include 316 stainless steel, various carbon steel, and high temperature performance materials.

Material	Maximum Wire Operating Temperature °C
Carbon Steel	550
304 Stainless Steel	750
316 Stainless Steel	800
316L Stainless Steel	800

Specifications

TO OBTAIN BELT PITCH (B) EXTEND BELT AND MEASURE WIRE CENTRE TO WIRE CENTRE OVER 10 PITCHES. (11 WIRES INCLUDING FIRST AND LAST). THEN DIVIDED BY 10.

C-SHAPED EDGE

SINGLE LOOP EDGE

DOUBLE LOOP EDGE

A: WIDTH (TOTAL) (mm)   B: PITCH (mm)
C: WIRE DIAMETER (mm)   D: FIRST SPACE WIDTH (mm)
E: CENTRE SPACE WIDTH(S) (mm)   F: DOUBLE LOOP SPACE WIDTH (mm)
G: SINGLE LOOP SPACE WIDTH (mm)

Specifications of Flat Flex Conveyor Belts				
Item	Wire diameter (mm)	Pitch (mm)	Open area (%)	Edge type
FFCB-01	0.9	4.24	77	Single/ double
FFCB-02	0.9	5.64	82	Single/ double
FFCB-03	1.0	5.5	79	Single/ double
FFCB-04	1.0	5.6	79.5	Single/ double
FFCB-05	1.27	4.3	67	Single
FFCB-06	1.27	5.5	73	Single/ double
FFCB-07	1.27	6.0	76	Single/ double
FFCB-08	1.27	6.35	77	Single/ double
FFCB-09	1.27	7.26	80	Single/ double/ C-shape
FFCB-10	1.40	6.40	76	Single/ C-shape
FFCB-11	1.60	7.26	75	Single/ double/ C-shape
FFCB-12	1.83	12.00	81	Single
FFCB-13	1.83	12.70	82	Single/ C-shape
FFCB-14	2.08	9.60	75	Single/ C-shape
FFCB-15	2.35	12.70	78	Single/ C-shape
FFCB-16	2.35	20.32	85	Single
FFCB-17	2.80	12.70	72	Single/ C-shape
NOTE: Custom specification is available if you can't find the suitable size.				

Applications

The Flat Flex Conveyor Belts are frequently used in installations whereby food products undergo a certain process. You could thereby think of Garden / steaming / cooking / baking / frying / grilling but also of draping with chocolate or sprinkling with pips and/or seeds. Flat Flex Conveyor Belts are furthermore frequently used for take-over sets whereby products move from one installation/transporter to the other.

Flat flex conveyor belts are used in the food industry for the production of the following products: small dessert, fish products, pizza, vegetables, bread, flour, cakes, meat, candy, potatoes, biscuits, chocolate, nuts, and fruit.

- Transport
- Frying
- Dough Rolling
- Breading
- Sterilization
- Architectural Mesh
- Side Shifting
- Crumbing
- Glazing
- Sieving
- Heating
- Cooling
- Drainage
- Enrobing

- Turning
- Baking
- Battering
- Shrink Wrapping
- Soldering
- Shuttling
- Collating
- Searing
- Preparation
- Cooking
- Drying
- Coating
- Freezing

Flat Flex Conveyor Belt for Transport

Flat Flex Conveyor Belt for Baking

PFM SCREEN

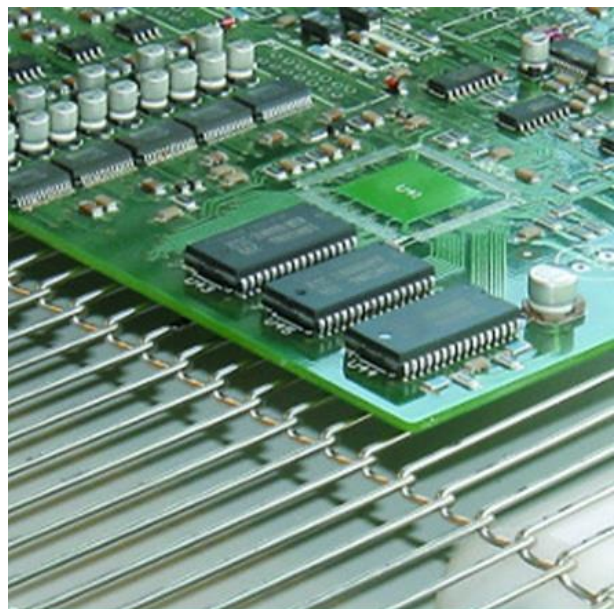## Specialize In Wire Conveyor Belt Manufacturing And Solution.

Flat Flex Conveyor Belt for Frying

Flat Flex Conveyor Belt for Battering and breading

Flat Flex Conveyor Belt for Chocolate enrobing

Flat Flex Conveyor Belt for Printed circuit board handling

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METAL CONVEYOR BELTS

Balanced Woven Conveyor Belts

Compound Weave Conveyor Belts
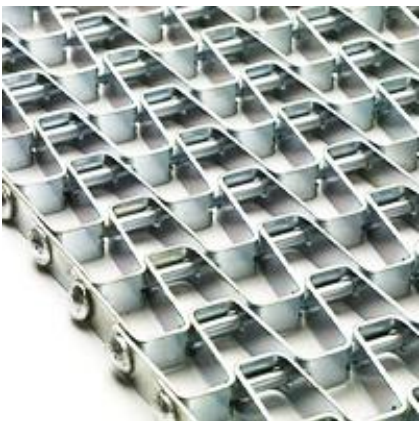
Chain Link Conveyor Belts
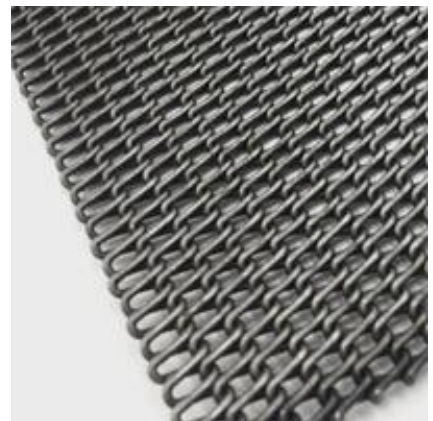
Flexible Rod Conveyor Belts

Flat Flex Conveyor Belts

Eye Link Conveyor Belts

Honeycomb Conveyor Belts

Plate Link Conveyor Belts

Biscuit Baking Belts

Ladder Conveyor Belts

CONVEYOR BELT ACCESSORY

Sprockets

Chain links

Our policy is one of continuous improvement and we reserve the right to change specifications at any time and without notice or modify these to suit manufacturing processes

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