WHAT ARE TIMING BELT **CONVEYORS?**

THE BEST WAY TO TRANSPORT PRODUCTS PRECISELY AND ACCURATELY

LIGHT AND DAINTY



HEAVY AND BULKY



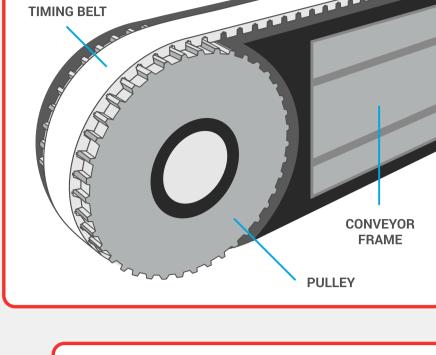




HOW ARE TIMING BELT CONVEYORS CONSTRUCTED

1 TIMING PULLEY (toothed)

1 IDLER PULLEY (often another toothed pulled) a TIMING BELT (looping around them) **Timing Belt and Pullevs:** Both have teeth, that match each



other

Conveyor Frame: The structure to support the belt

and hold the pulleys in place **Electrical Motor:**

Accessories:

controls

Belt tensioning and tracking, side rails, supports and motor

To power the conveyor

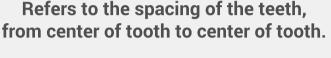
What makes them different from other types of conveyors is

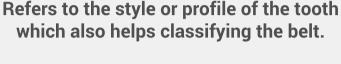
A DEEPER LOOK INTO TIMING BELTS

THEIR PRECISE TRANSPORT AND POSITION OF PRODUCTS

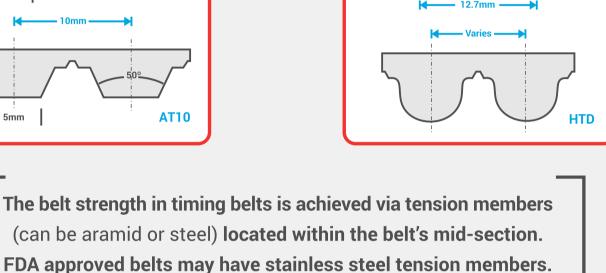
& **SERIES PITCH**

TIMING BELTS COME IN A VARIETY OF PITCHES AND SERIES



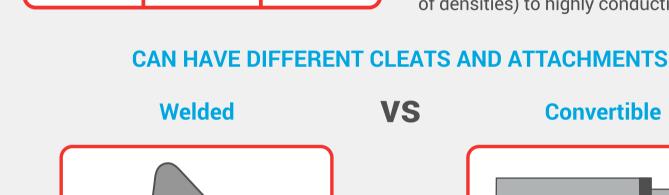


3.5mm T10 - 10mm -502 **AT10** 4.4mm Н



TIMING BELT COVERS AND ATTACHMENTS CAN HAVE SPECIAL COATINGS AND TOP SURFACES

To increase belt life and decrease friction.

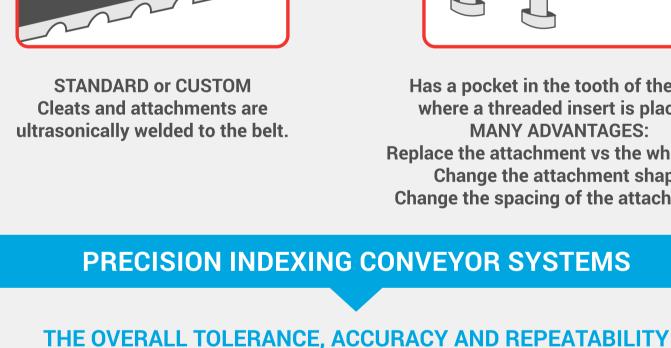


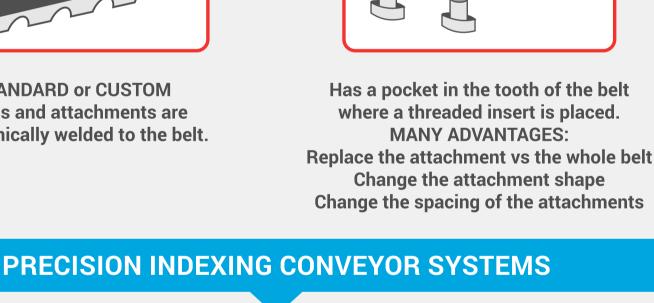
Everything from a nylon skim coating (for accumulating product) to foam (in a variety of densities) to highly conductive materials.

SPECIAL COATINGS ON THE TOOTH SIDE

VARIETY OF TOP SURFACES

Convertible





CLEATS & FIXTURES

Products located

within fixtures have

higher positioning

CONTROLS

To create specific

motion patterns.

WILL DEPEND ON MANY FACTORS.

precision. accuracy.

That's why it's best to start the conveyor ordering process, by having a full design review with the conveyor manufacturer.

TIMING BELT CONVEYORS FROM mk North America

WE HAVE 4 DIFFERENT STYLES

ZRF-P 2045

25 mm wide, T10 belt

Part of VersaMove Standard For conveying pallets up to 400 x 400 mm Belt returns within the frame for safer conveyor

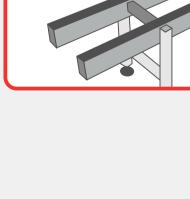
ZRF-P 2010

MOTOR CHOICE

Can impact the

precision of the

conveyor system.



BELT TYPES

Different belt types

can provide

different levels of

25 mm wide, T10 belt Can have cleated belts Part of VersaMove Ultra

> **ZRF-P 2040** AT10 belt Can have cleated belts

> > Part of VersaMove Ultra

For conveying large / heavy products directly Compatible with convertible and cleated belts

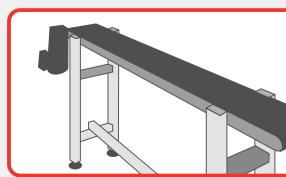
For conveying pallets up to 1,200 x 1,200 mm



For conveying products of all sizes and loads The widest timing belt conveyor in the industry

Can have cleated belts

For conveying pallets up to 1,040 x 1,040 mm Belt returns within the frame for safer conveyor



NORTH AMERICA, INC. a member of the mk Technology Group

All of our timing belt conveyors can be offered in a single lane or with two or more belts driven off one motor. We also offer custom timing belt conveyor to meet specific belt pitch requirements.