



HD100 “Heavy Duty Triple Rail Floor Conveyor”



SINGLE LINE - FLOOR CONVEYOR

CALDAN HD100

Due to the double sided support of the wagon, the Caldan HD100 Single Line floor conveyor allows an excellent accuracy in the presentation of even very large and unbalanced jigs / workpieces.

No contamination of the parts to be handled, as the work pieces are placed on top of the conveyor system. On customer request this floor conveyor system can be modified to a 150 kg load capacity.

- increases production quality
- reduces the rejection rate

On customer request the floor conveyor can be modified to a 150 kg load capacity.

- higher production capacity

A very space saving solution compared to more traditional conveyor systems like belt- and roller conveyors.

Only a minimum of maintenance and user training is required.

Easy access to the vital parts of the conveyor system.





HD100

Single Line - floor conveyor

Specifications:

The Floor conveyor type HD100 consists of three Caldan standard profiles.

The two upper profiles support the wagon which is equipped with 4 vertical track wheels and 4 horizontal guiding wheels.

In the underlying profile the cardan chain is driven by one or more drive units with fixed or variable speed.

The wagon body consists of 6 mm laser cut and folded plates assembled with a minimum of welding operations.

The high accuracy in the positioning of the wagon is guaranteed by the four guiding wheels - two placed on each side of the wagon.

Turning devices non-fixable or fixable in 90° or 180° positions are mounted on the top of the wagons to customer request.

Chain pitch:

180 / 270 mm

Trolley wheels / chain bearings:

Open or sealed and greased version

Max. temperature (surroundings):

250°

Max. load per trolley:

150 kg

Standard length, straight profile:

3.000 mm - equipped with flanges

Horizontal curves:

Degree: 90° / 45° / 30° / 15°

Radius: 700 / 1.000 mm

Vertical curves:

Degree (depending on work-load):

15° / 30°

Radius: 1.500 / 2.000 / 2.500 mm

All horizontal and vertical curves can be manufactured in special radii on request.

Drive unit:

Straight version, double sided caterpillar drive. Gear motor with fixed or variable speed

Tension unit:

Manual or pneumatic/ weight-loaded

Pneumatic lubrication:

Semi- or fully automatic version.

Point- or fog lubrication of the cardan chain

Special equipment:

Motorized or pneumatic turning stations

Accumulation possibilities:

None