



SINGLE LINE FLOOR CONVEYOR

TYPE HD I 00

Due to the double sided support of the wagon the system allows an excellent accuracy in the presentation of even very large and unbalanced jigs / work pieces.

No contamination as the work pieces are placed on top of the conveyor system.

- 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.

*“The heavy duty triple rail
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.

Technical data:

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