



HD100

FLOOR CONVEYOR SYSTEM

With its stable, double sided support of the wagon, the HD100 floor conveyor system provides a very solid base for even very large and unbalanced jigs / product carriers. Furthermore, the four to six horizontal guide wheels allow for increased guidance accuracy.

This means:

- higher production quality
- Increased throughput

Further system advantages:

- No contamination of the parts to be handled, as the work pieces are placed on top of the conveyor system
- 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 compact design allows a low overall height and takes up less space in the process areas

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





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TECHNICAL 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: 2.500 (1.500) 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