

SD

FLOOR CONVEYOR SYSTEM

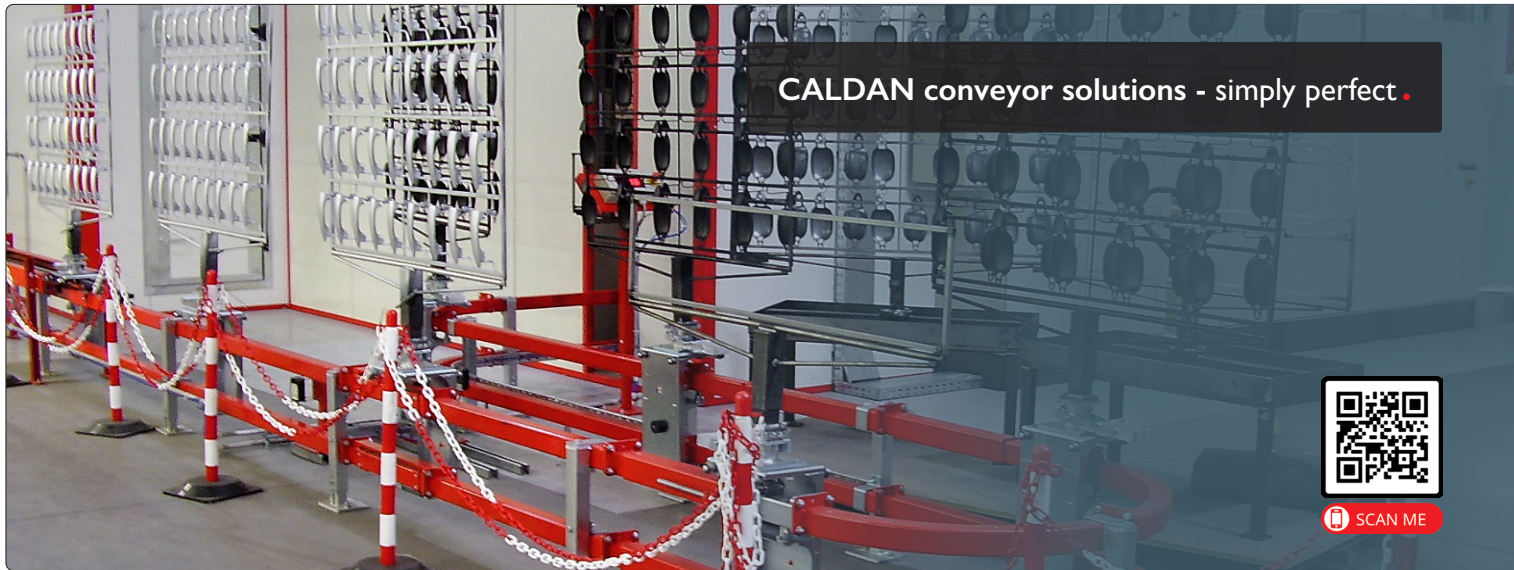
With its double sided guiding system the CALDAN SD floor conveyor allows an excellent accuracy in the presentation of the jigs / work pieces.

SD system advantages:

- No contamination 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.

As with all CALDAN conveyors the consequent use of tested high quality components increases functional reliability of the system.





SD

TECHNICAL SPECIFICATIONS

The Floor conveyor type SD consists of two CALDAN standard straight profiles.

In the upper profile a cardan chain is driven by one or more drive units with fixed or variable speed. The underlying profile supports the wagon.

The wagon body consists of 0,16 inches (4 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 placed two on each side of the wagon.

Furthermore a nylon rail mounted on the top of the power profile helps the centring the wagon in, for example, the painting area.

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

The load capacity of the wagon is max. 66 Lbs (30 kg).

Chain pitch:

7.08 / 10.62 inches (180 / 270 mm)

Chain bearings:

Open or sealed and greased version

Max. temperature (surroundings):

482 °F

Max. load per trolley:

66 Lbs (30 kg)

Standard length, straight profile:

236.22 inches - equipped with flanges (3.000 mm)

Horizontal curves:

Degree: 90° / 45° / 30° / 15°

Radius: 12.40 / 19.68 / 27.55 / 39.37 inches (315 / 500 / 700 / 1.000 mm)

Vertical curves:

Degree (depending on work-load): 15° / 30°

Radius: 39.37 inches (1.000 mm)

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

Drive unit:

Straight version, single sided caterpillar drive or 90° version with driving wheel.

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