



HDI40 - new Heavy Duty floor conveyor .



**HDI40**

**FLOOR CONVEYOR SYSTEM**

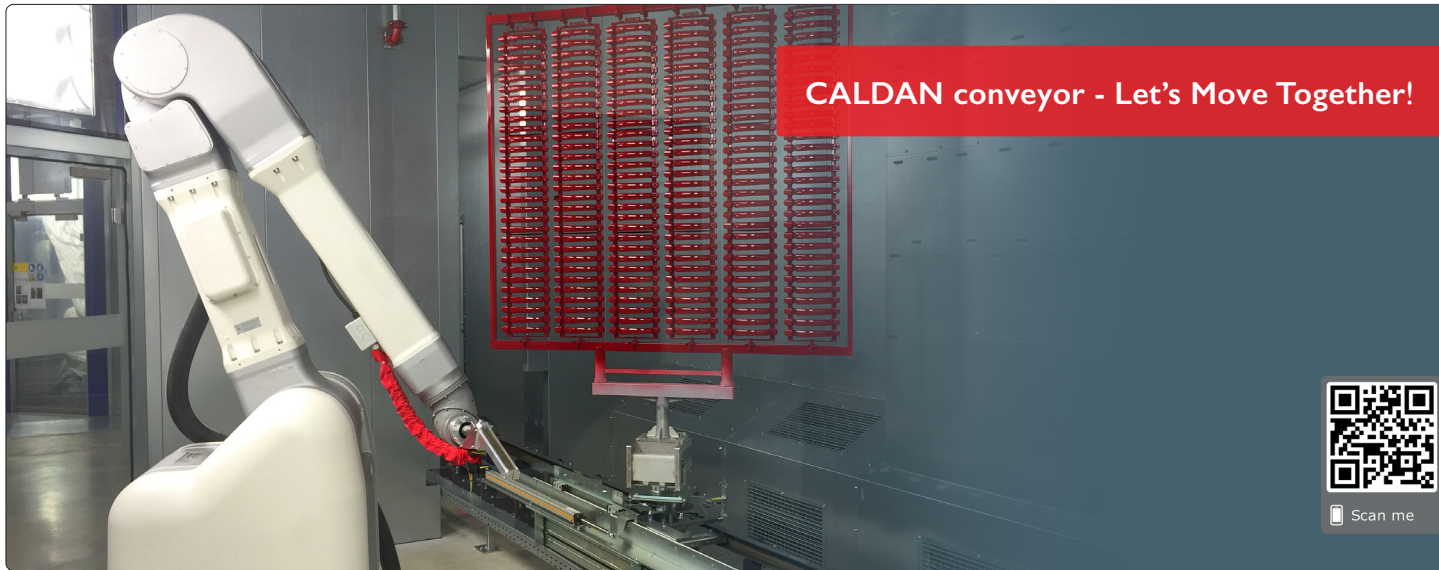
The new HDI40 single line floor conveyor is the innovative and next-generation solution for demanding workflows and large-scale setups. The HDI40 will handle heavy and unbalanced jigs with ease, placing it as one of the top, heavy-duty floor conveyors for large-scale operations on the international market.

With 4 horizontal bearings and fully adjustable track sections, the HDI40 is a highly accurate system requiring a minimum level of control system compared to traditional skid systems and roller conveyors. The great benefit is smoother operation and simplified maintenance not least due to the limited use of drive unit and sensors.

**System advantages:**

- Renowned and industry-proven CALDAN build quality ensuring high reliability rates.
- Low maintenance - less moving sensible moving parts require less attention.
- Full flexibility - complete freedom during the design stage
- Simplified plant design - compact profile design minimizes restriction in airflow in spray booths, flash offs and ovens.
- Goose neck design - unique CALDAN design scheme preventing wash fluids from entering the conveyor system.
- Less cleaning - a compact design minimizes overspray dust settling on the conveyor thereby stopping dust from travelling through the entire system.





**HDI 140**

**TECHNICAL SPECIFICATIONS**

The Single Line floor conveyor type HDI140 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.

Maximum load per trolley - 250 kg.

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

Conveyance with loads in rise and fall sections is possible due to a uniquely designed link between the chain carriers and the trolley.

**Chain carrier pitch:**

180 / 270 / 300 mm

**Max. temperature (surrounding):**

250° C

**Max. load per 4-wheeled trolley:**

250 kg

**Max. load per wagon**

**(load bar with two trolleys):**

500 kg

**Standard length, straight profile:**

3.000 mm

**Trolley bearings:**

Closed and greased for low maintenance

**Horizontal curves:**

Degree: 90° / 45° / 30° / 15°

Radius: Min. 1.250 mm and larger

**Vertical curves:**

Degree (depending on work-load):

30° / 15°

Radius: Min. 2.000 mm

Special dimensions on request.

**Drive unit:**

Straight double sided version with caterpillar chain drives

**Tension unit:**

Manual and pneumatic version

**Lubrication:**

Pneumatic fog or point lubrication - automatic

**Accumulation possibilities:**

None