



HD100

Floor conveyor system / 单轨式地面输送机

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

HD100单轨地面传送带凭借其其对车组的稳定双侧支撑,为输送一些大件的、摇晃不稳的夹具或工件提供了十分坚实的基础。此外,车组自带的四个到六个水平导向轮可确保导向精度的提高。这意味着:

更高的生产质量
更高的产出量

Further system advantages / 更多的系统优势:

- No contamination of the parts to be handled, as the work pieces are placed on top of the conveyor system
因工件被放置在输送带系统的上方,待处理的部件不会受到污染
- A very space saving solution compared to more traditional conveyor systems like belt- and roller conveyors
相对于传统的输送系统,如皮带式和滚筒式输送机,此输送机的解决方案更节省空间
- Only a minimum of maintenance and user training is required
只需要极少的维护和用户培训
- Easy access to the vital parts of the conveyor system
输送系统关键部件维护简单
- The compact design allows a low overall height and takes up less space in the process areas
紧凑的设计使整体高度得以降低,并可减少工艺区域的空间占用

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

根据客户需求,此地面输送系统的单车负荷可改为150公斤。





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Technical specifications / 技术规格

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.

HD100型地面输送机由3个卡尔丹标准单轨组成。上面的两个单轨支撑着装有4个垂直轨道轮和4个水平导向轮的货车。在下方的型材中，卡尔丹链条被一个或多个传动装置以定速或变速驱动。小车主身由6mm激光切割折边钢板制成，其组装过程经过了尽可能少的焊接。小车主身每边各两个，共四个的导向轮，确保了小车主身定位的高准确性。根据客户需求，小车主身上方可安装不带锁紧或带90°或180°定位锁紧的旋转构件。

Chain pitch: 180 / 270 mm
链条节距: 180 / 270毫米
Trolley wheels / chain bearings:
Open or sealed and greased version
小车轮/链条轴承:
非密封或含润滑油脂密封式版本
Max. temperature (surroundings): 250°C
最高使用温度 (周边): 250°C
Max. load per trolley: 150 kg
小车最大承重: 150 公斤
Standard length, straight profile:
3.000 mm - equipped with flanges
标准长度, 直轨: 3,000 毫米 - 包含法兰

Horizontal curves / 水平弯头:
Degree: 90° / 45° / 30° / 15°
角度: 90° / 45° / 30° / 15°
Radius: 700 / 1.000 mm
半径: 700 / 1.000 毫米

Vertical curves / 垂直弯头:
Degree (depending on workload): 15° / 30°
角度 (根据载重): 15° / 30°
Radius: 2.500 (1500) mm
半径: 2.500 (1500) 毫米

All horizontal and vertical curves can be manufactured in special radius on request.
所有的水平和垂直弯头可按要求的半径定制。

Drive unit / 驱动装置:
Straight version, double sided caterpillar drive. Gear motor with fixed or variable speed
直线版本, 双侧履带式驱动。齿轮马达分为定速或变速
Tension unit:
Manual or pneumatic/ weight-loaded

张紧装置:
手动或气动/重力式
Pneumatic lubrication:
Semi- or fully automatic version.
Point- or fog lubrication of the cardan chain
气动加油机:
半自动或全自动版本。定点或喷雾式加油机, 用于万向链润滑

Special equipment: Motorized or pneumatic turning stations
特殊配置:
电动或气动旋转站
Accumulation possibilities: None
积放能力: 无