



SINGLE LINE Monorail overhead conveyor / 单轨悬挂式输送机

The flexible and reliable system for demanding materials handling in tough working environments.

灵活可靠的系统使输送机, 适用于在严苛工作环境中的高要求物料处理。

The Single Line conveyor / 单轨输送系统:

- can be used as a storage facility between different steps in the production flow
可作为在生产流程不同步骤间的储藏设施
- is the perfect system for transportation of items through working processes in the plant
是在工厂生产工序间运输工件的完美系统
- only requires a minimum of maintenance and user training
只需要极少的维修保养和用户培训

The consequent use of tested high-quality components increases functional dependability and lifetime of the system.
通过经检测高质量组件的采用, 系统的功能可靠性和使用寿命得以提升。

The use of easy combinable, modular standard components offers various customized solutions.
易于组合、模块化标准组件的采用提供了多种定制解决方案。

More than 50 years' experience in solving handling problems, and our expert assessment of user's needs, will ensure that the design chosen contributes fully to a cost-effective overall system.
基于超过50年解决搬运问题的经验, 以及对用户需求的专业评估, 我们相信所选的设计将会有助于打造一个整体具有成本效益的系统。





CALDAN conveyor solutions - simply perfect.



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SINGLE LINE

Technical specifications / 技术规格

The Single Line conveyor type consists of a standard CALDAN profile, combined with horizontal and vertical curves. A cardan chain with fixed carriers is driven in the standard profile - the chain is powered by one or several drive units, with fixed or variable speed. The items are conveyed suspended either directly from the carriers, or in specially constructed suspension devices/work jigs (customized designs).

Typical suspension versions are e.g.:

- one point turning device, with or without fixation
- load bar attached to 2 or 4 chain carriers

单轨输送机由一个标准卡尔丹型材组成，并与水平和垂直转弯结合。带有固定节距挂点的卡尔丹链条在标准轨道内运行 — 链条由一个或多个驱动装置以定速或变速驱动。工件可以直接吊挂在挂点上，或放置于特制的吊挂装置或工艺夹具（定制设计）上进行运输。

典型的悬挂型式有：

- 单点吊挂并带旋转功能，旋转可带锁紧或无锁紧。
- 载荷梁连接2个或4个链条挂点

Chain pitch - S150 / S180 / S200:
150 mm / 180 mm / 200 mm
链条节距: S150 / S180 / S200:
150 毫米 / 180 毫米 / 200 毫米
Chain pitch - S270 / S300: 270 mm / 300 mm
链条节距: S270 / S300: 270 毫米 / 300 毫米
Chain bearings:
Open or sealed and greased version
链条轴承: 非密封式或含润滑油脂密封式
Max. temperature (surroundings): 250°
最高适用温度(周边): 250°C
Max. load per carrier: 90 kg
每挂点最大载重: 90 公斤
Max. load per load bar, 8-wheeled: 360 kg
载荷梁并联最大承载, 8轮: 360 公斤
Standard length, straight profile: 3.000 mm.
Available equipped with flanges
标准长度, 直轨: 3,000 毫米。可预配备法兰。
Horizontal curves - S150 / S180 / S200:
水平弯头: S150 / S180 / S200
Degree: 90° / 45° / 30° / 15°

角度: 90° / 45° / 30° / 15°
Radius: 315 / 500 / 700 / 1.000 mm
半径: 315 / 500 / 700 / 1,000 毫米
Vertical curves - S150 / S180 / S200:
垂直弯头: S150 / S180 / S200
Degree (depending on workload):
角度(取决于负载):
15° / 30° / 45° / 90°
Radius: 700 / 1.000 mm
半径: 700 / 1,000 毫米
Horizontal curves - S270 / S300:
水平弯头: S270 / S300
Degree (depending on workload):
角度(取决于负载): 90° / 45° / 30° / 15°
Radius: 700 / 1.000 mm
半径: 700 / 1,000 毫米
Vertical curves - S270 / S300:
垂直弯头: S270 / S300:
Degree (depending on workload):
角度(取决于负载重量):
15° / 30° / 45° / 90°

Radius: 1.000 mm
半径: 1,000 毫米
All horizontal / vertical curves can be
manufactured in special radii on request
所有的水平和垂直转弯可以根据要求的半径
生产
Drive unit: Straight version with double or
single sided caterpillar drive or 90° version
with driving wheel. Gear motor with fixed or
variable speed
驱动装置: 直线式单侧或双侧履带驱动, 或
90°驱动轮驱动。齿轮马达以定速或变速驱动。
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: 半自动或全自动模式定点或喷雾
式对万向链进行加油