



## P&F380

## P&F overhead conveyor / 悬挂型积放式输送机

The P&F380 is a highly flexible power & free conveyor, which comes with a load capacity of up to 500 kg. With a simple and reliable accumulation of wagons the P&F380 enables the possibility of buffer zones of 45°, 90° and in line.

P&F380是一款高度灵活的积放式输送机，其承载能力可达500公斤。通过简单可靠的小车组积放，P&F380能够实现缓存区内45°或90°或直线排列放置。

To ensure low system costs, the P&F380 has a minimal need for transfer units, as it is designed with a highly smooth trolley transfer from one conveyor circuit to another.

为保证系统成本，因此P&F380小车的设计非常注重系统内运行平顺。无需使用推车机，即可实现小车在不同线路间的切换

The leading edge CALDAN trolley- and accumulation stop design is the safeguard for instant and extremely reliable separation of wagons in the accumulating zones.

领先的卡尔丹小车和停止器的设计，为小车组在积放区快速且可靠的车链分离提供了保障。

The P&F380 handles accumulation noiseless with non-friction disengagement of the trolleys from the conveyor chain drive.

小车与输送机链条之间无摩擦式分离，P&F380在积放时实现有效降噪。

Through the use of modular components, the P&F380 is the paramount standard of flexibility and liberty when it comes to configuring conveyor layouts. On top of that the rigorous and renowned CALDAN high-end components and quality testing, ensures that clients worldwide can run our systems in harsh environments with total confidence.

在配置输送机布局时，通过采用模块化的构件，为P&F380提供了高标准的灵活性和自由度。除此之外，细致且闻名的卡尔丹高端组件和质量检测确保了全球客户都能在严苛环境下完全放心地运行我们的系统。





CALDAN conveyor solutions - simply perfect.



Scan me

## P&F380

## Technical specifications / 技术规格

The Power & Free conveyor type P&F380 consists of two CALDAN straight profiles. In the upper "Power" profile a cardan chain is driven by one or more drive units. In the underlying "Free" profile the wagons are driven by power chain carriers, via pivotal pawls attached to the front and back of the trolley. Both the chain carrier pitch and the accumulation distance are designed according to customer request. The wagons can, according to handling requirement, be separated and accumulated either in line, or at 45° or 90° within accumulation zones. When routed into a closed accumulation stop, or when reaching the "tail" of the previous trolley, the trolley's accumulation lever is lifted, and the pawl units are lowered. Hereby the trolley is disengaged from the chain carriers.

Conveyance with loads in up to 30° rise and fall sections - depending on the load - is possible due to a uniquely constructed link between the chain carriers and the trolley pawls.

P&F380型积放式输送机由2个卡尔丹标准直轨组成。在上面“动力”轨中，卡尔丹链条由一个或多个驱动装置驱动。在下面“积放”轨道中，小车和车组通过前后的中枢挂钩，与动力链条推头进行对接并被推动。链条节距和积放区距可以根据客户要求设计。小车可根据搬运要求，被分离及积放成直线或45°或90°排列于积累区内。当行至一个关闭的停止器或到达前面小车的尾部时，小车的积放杆将被压低，同时小车的挂钩会被抬高，从而实现小车与链条推头脱离。独特的小车与链条推头连接设计，取决于载重，可以实现30°通过上下坡段。

Chain carrier pitch: 180 / 270 mm

链条节距: 180 / 270 mm

Max. temperature (surrounding): 250° C

最高适用温度(周边): 250° C

Max. load per trolley (4-wheeled): 200 kg

每小车最大承载(4轮式): 200 公斤

Max. load per wagon (load bar with 2 / 4 trolleys): 300 / 500 kg

每小车组最大载总(含载重梁2/4个小车组合): 300 / 500 公斤

Standard length, straight profile: 3.000 mm

标准长度, 直轨: 3,000 毫米

Trolley wheels / chain bearings:

Open or sealed and greased version

非密封式或含润滑油脂密封式

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(取决于负载重量): 15° / 30°

Radius: 2.500 mm

半径: 2,500 毫米

Drive unit: Straight version with double sided caterpillar drive or 90° version with driving wheel. Gear motor with fixed or variable speed

驱动装置: 直线形式, 由双侧履带式驱动, 或90°形式, 由驱动轮驱动。齿轮马达为定速或变速。

Tension unit:

Manual or pneumatic / weight-loaded

张紧装置: 手动或气动/重力式

Switching gate: Manual, pneumatic or electrical version

道岔: 手动或气动或电动

Vertical drop- and lift section: Available in guided / floor mounted version or un-guided and suspended from the ceiling

垂直升降: 可选择带导轨/落地式或无导轨式, 悬挂于楼顶上

Accumulating stop:

Pneumatic or electrical version

停止器: 气动或电动

Pneumatic lubrication: Semi- or fully automatic version. Point- or fog lubrication of the cardan chain and / or the trolleys

气动式加油机: 半自动或全自动版本。定点或喷雾式对链条及小车进行加油。

Special designs: E.g. turning stations

特殊设计: 例如转向站

Accumulation possibilities:

Automatic. In-line, 90° and 45°

积放功能: 自动, 直线或90°角或45°角排列