



**P&F120**

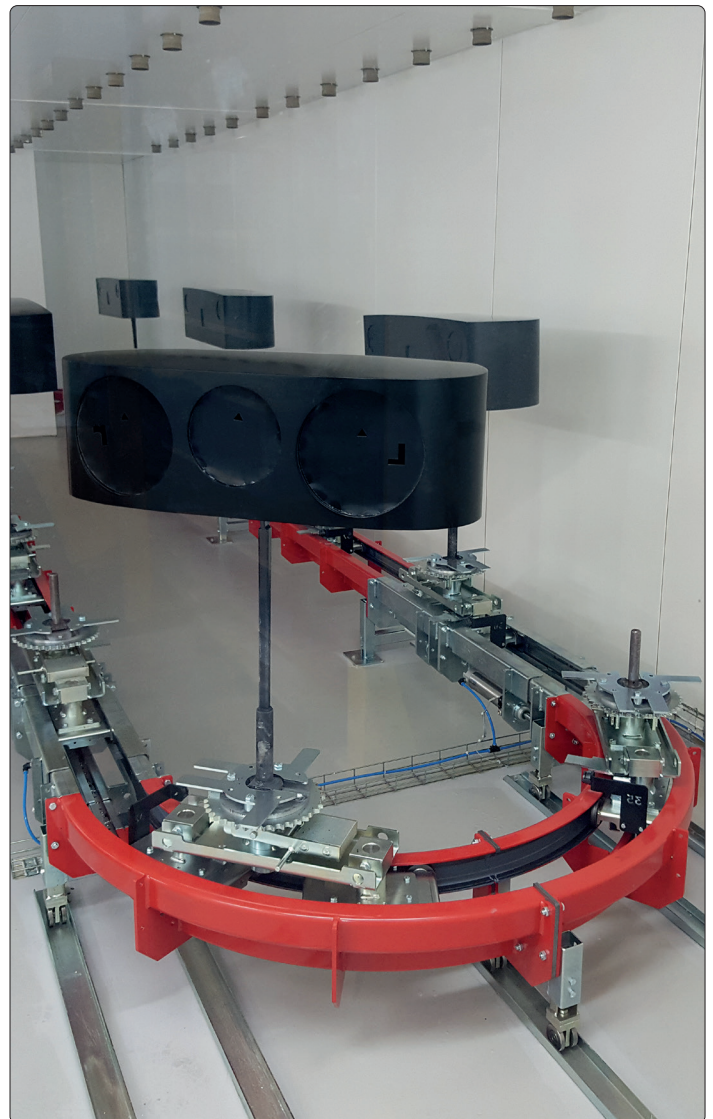
**POWER & FREE FLOOR CONVEYOR**

Based on exactly the same profile and drive system technology as the other 100 system conveyors the P&F120 system is a self accumulating Power & Free system.

Developed for applications where the need for Power & Free technology is required in sections such as storage areas, ovens etc. where space is at a premium but where general process areas only require fixed pitch operation.

- Possibility to accumulate in line
- No need for expensive control systems for accumulation sections due to self accumulating design
- Switch wagons (load carriers) from lane to lane
- Incorporate vertical lift / lower stations
- Operate at different process speeds on the same line

Maximum load per carrier – 441 Lbs (200 kg).





**CALDAN conveyor - Let's Move Together!**



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**P&F120** TECHNICAL SPECIFICATIONS

The Power & Free floor conveyor, Type P&F120, consists of three CALDAN profiles. In the lower "Power" profile the cardan chain is driven by one or more drive units. In the upper "Free" profiles the purpose designed trolley and wagon sets are driven by power chain carriers, which engages the in-wards pivotal links underneath the trolley.

The trolley body is made of 0.19 inches (5 mm) laser cut and folded plates and is equipped with 4 sealed load carrying wheels and 4 sealed horizontal wheels for side guiding.

The power chain carrier pitch is designed according to customer specification. Each trolley and wagon set can be separated from the power chain and accumulated in line.

The accumulation is carried out by lowering the power chain at the beginning of the accumulation zone.

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

<p><b>Chain carrier pitch:</b> 7.08 / 10.62 inches (180 / 270 mm)</p> <p><b>Max. temperature (surrounding):</b> 482 °F (250° C)</p> <p><b>Max. load per 4-wheeled trolley:</b> 441 Lbs (200 kg)</p> <p><b>Max. load per wagon (load bar with two trolleys):</b> 882 Lbs (400 kg)</p> <p><b>Standard length, straight profile:</b> 118.11 inches (3.000 mm)</p>	<p><b>Trolley bearings:</b> Closed and greased for low maintenance</p> <p><b>Horizontal curves:</b> Degree: 90° / 45° / 30° / 15° Radius: 27.55 / 39.37 inches (700 / 1.000 mm)</p> <p><b>Vertical curves:</b> Degree (depending on work-load): 30° / 15° Radius: 39.37 inches (1.000 mm)</p> <p>Special dimensions on request.</p>	<p><b>Drive unit:</b> Straight double sided version with caterpillar chain drives</p> <p><b>Tension unit:</b> Manual and pneumatic version</p> <p><b>Lubrication:</b> Pneumatic point lubrication – automatic</p> <p><b>Accumulation features:</b> In line</p> <p><b>Special features:</b> Turning stations and drop sections</p>
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