



Power & Free

The pinnacle of success

Power & Free

- ▷ 1 Durable, powerful and able to withstand even the most demanding conditions: if these characteristics are important to you in a conveying system, then Schierholz's Power & Free is just the right solution for your material flow.

The Power & Free principle

Power & Free offers maximum versatility. Unit load conveyors transport goods suspended from a pendant, which in turn is attached to a closed, circulating chain. The pendant and chain are interlocked using a catch system. Pendants can be rerouted to new chains and flow rates combined or separated via transfer points. Stoppers allow you to separate pendants from the conveyor chain and create areas for holding, loading, unloading and processing unit loads. It couldn't possibly be more versatile.

- ▷ 2 **For the most demanding applications and environments**

Our Power & Free conveying systems excel in even the most demanding conditions, withstanding inclines of up to 90° with ease. Our Power & Free systems boast exceptional durability in terms of temperature resistance and material compatibility. High temperatures, dirt, moisture, aggressive conditions and explosion-prone environments are no problem for Power & Free. Thanks to these exceptional characteristics, Power & Free conveying systems can be used in any surface engineering application, including powder coating and paint application, and in blast cabins and furnaces. The stainless steel model can even be used in the food industry.

- ▷ 3 **More versatility for your material flow**

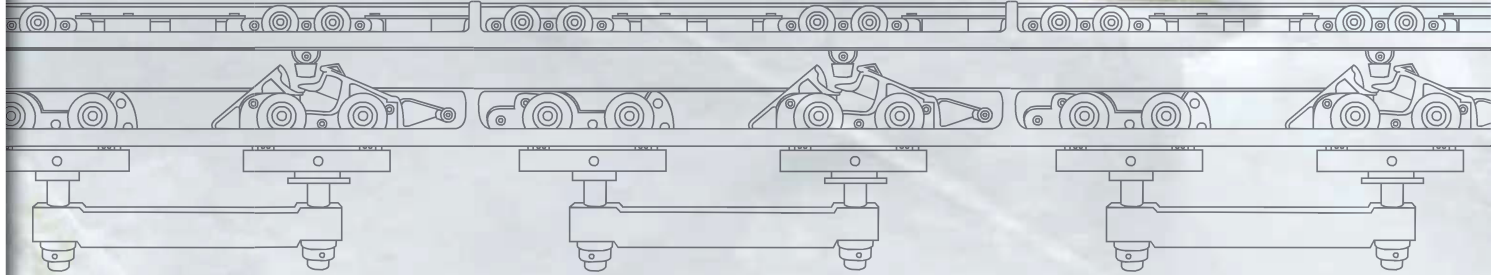
Power & Free provides you with two significant advantages in your material flow: maximum versatility and the capability to interlink. On the one hand, it allows you to interlink production, assembly and, if required, surface engineering and dispatch. On the other, it allows you to cost-effectively create buffers between individual production processes: support and guide rollers hold the universal joint chain in place on the inside of the rail, allowing for almost any bend combination imaginable. It is therefore possible to link nearly any two conveyor routes. As such, Power & Free gives you more versatility in how you manage and order these processes.

- ▷ 4 **Reliable and durable**

When it comes to our conveying systems, which are used worldwide and boast a service life of over 20 years, we set great store by the reliability of each and every component. Benefit from our endurance and component tests, which ensure a long service life.

- ▷ 5

- 1 ▷ 3D image of the Power & Free vertical conveyor: guided lifting carriage with chain to interlink two conveyor levels. 2 ▷ Control technology: Schierholz designs and manufactures all the control units used in its conveying systems and programs and installs all the required software.
- 3 ▷ Vertical lift: sample of a maintenance platform for improved access to the drive unit components. 4 ▷ Visualisation: graphic containing a variety of information about the Power & Free conveying system and the adjacent system technology used for control and error analysis.
- 5 ▷ Unguided chain lifting gear: manual lifting for loading and unloading combined with a running gear for a wide range of materials. 6 ▷ Power & Free in surface engineering: in the foreground, a manual station; in the background, the entrance to the shot blasting cabin in front of a pretreatment cabin.



Power & Free At a glance

▷ Proven performance in extreme conditions

Power & Free is the optimal solution for even the most demanding applications, as it's extremely robust in terms of temperature resistance and material compatibility. It's also ideal for use in all surface engineering fields and in furnaces. The stainless steel model can even be used in the food industry.

▷ Versatility for a new level of freedom in conveyor design

As a link between production, surface engineering and dispatch, Power & Free provides a solution for nearly every conveyor route and thus an affordable buffer between individual production processes. It also gives you more versatility in how you manage and order these processes.

▷ Inclines of up to 90°

Power & Free can even withstand inclines of up to 90° with ease.

▷ Durable and reliable

Schierholz's own endurance and component tests ensure a long service life.

