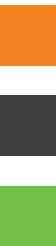




# Conveyor systems

**WE KNOW HOW**





# Conveyor systems

AABO-IDEAL specialize in many different transportation systems:

- Overhead and floor systems:  
(manual / semi automatic / automatic)
  - based on single conveyor
  - based on power & free conveyor
  - based on manual conveyor
- Crane systems  
(manual / semi automatic / automatic)
- Transport systems with rack trolley

All conveyor motors has frequency control and comply with IEC standards.



## Energy efficient and environmentally friendly solutions

AABO-IDEAL has an extensive experience in transportation of goods within finishing plants using various types of conveyor systems.

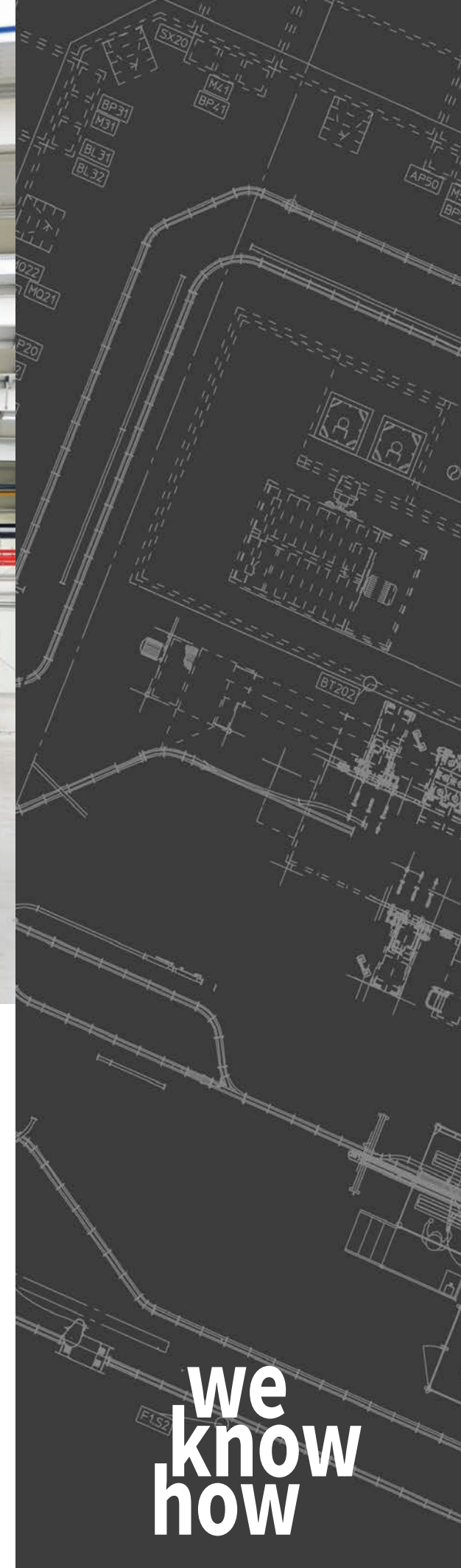
Conveyors are put to a high strain and we always deliver very strong systems dimensioned to need a minimum of maintenance.

During the design process of a finishing plant, the logistical aspect may often be just as important as – or in some cases even more important than – the technical aspect.

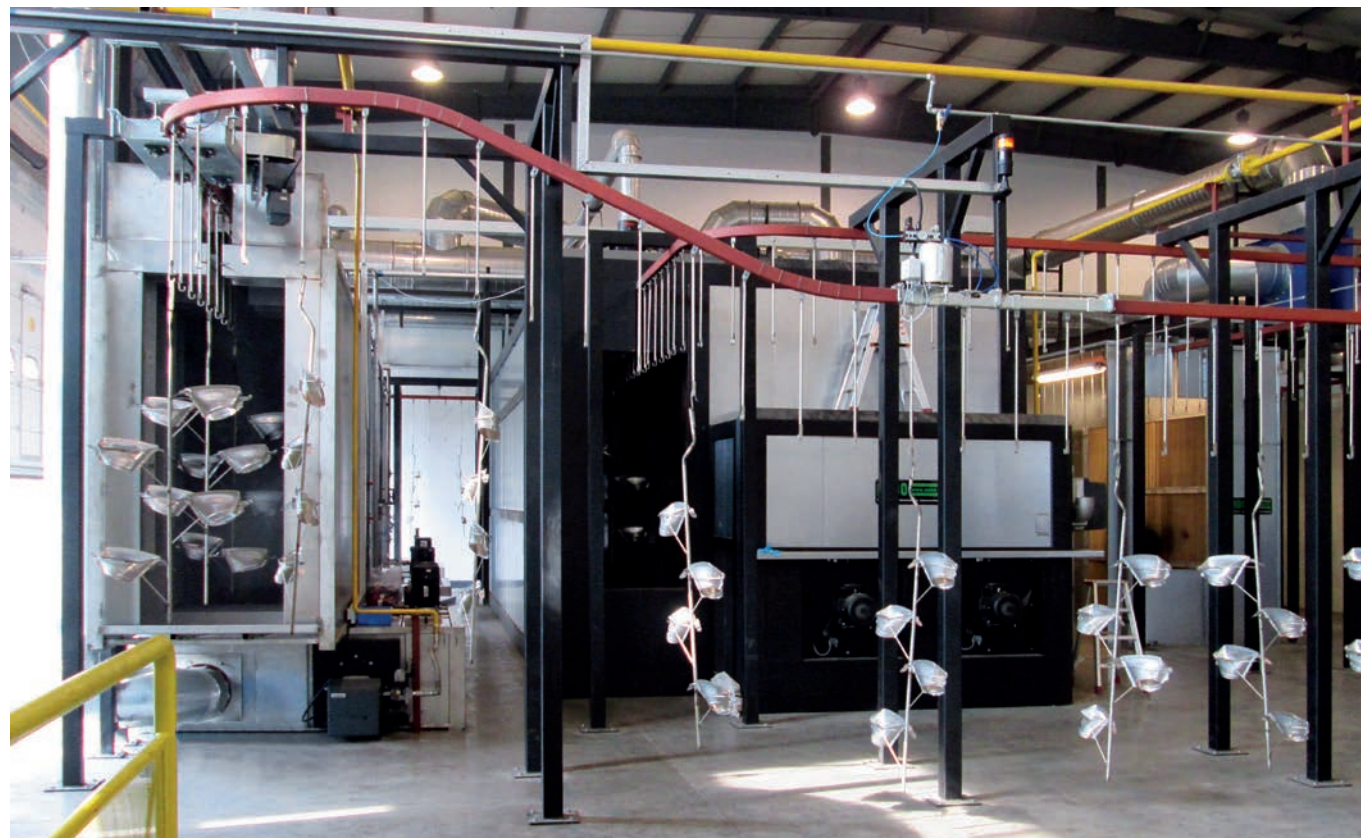
AABO-IDEAL has more than six decades of experience in manufacturing industrial solutions for surface treatment, and over the years we have supplied many conveyor systems.

Each project has been thoroughly analyzed according to our customer's requirements always ensuring a tailor made, high performing and environmentally friendly solution.

On these pages you will find technical information and examples of the AABO-IDEAL conveyor systems.







## Single conveyor

On a single conveyor the products are transported continuous through the line without the possibility of changing track.

The products or product parts are hung from the chain in suitable jigs; one or more driving units pulls them through the line.

The number of driving units needed depends on the maximum load of the conveyor and the geometry of the overall line layout.

In order to compensate for heat expansion and wear, the systems are equipped with pneumatic expansion units.



- Usually for continuous but variable processing speeds of up to 10 meters/minute
- Cardan chain can run in both horizontal and vertical direction
- Can handle a load of up to 100 kilos per meter
- Available with pitches of 180, 270 or 360 mm
- Water cooled solutions for temperatures up to 450°C
- Forth and reverse







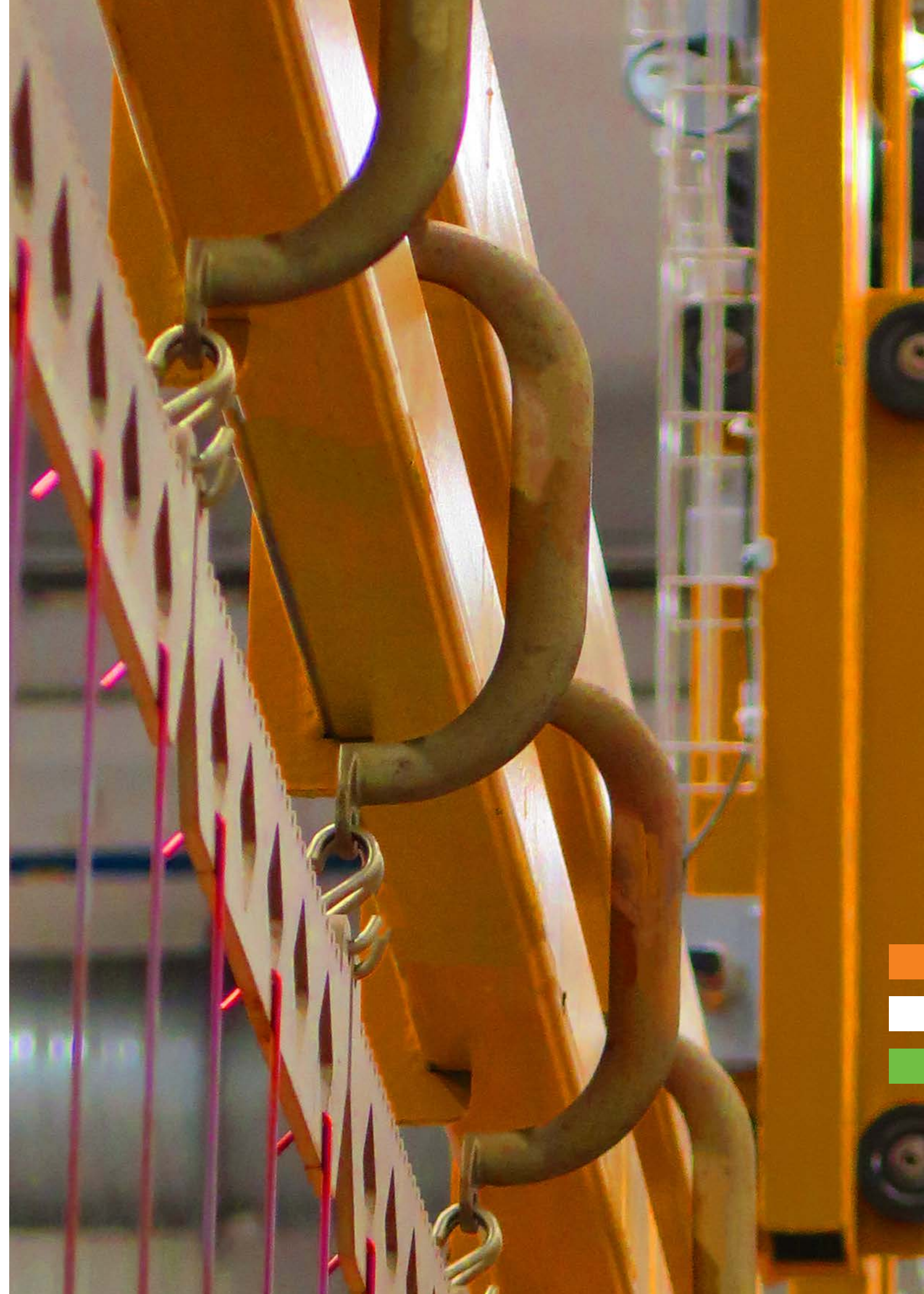
## Power & free conveyor

A power and free conveyor system provides the highest level of flexibility. We apply power and free conveyor systems to lines requiring one or more of the following functions:

- High load capacity (0-6000 kg or very long items, typically 5-25 m in length)
- Very high flexibility - more booth systems in the same line - more process etc.
- Loading and unloading by hoist

Each wagon carries one or more products or product parts. The wagon runs in an open "free" profile, and on top is the chain profile - the "power" - hence the name "power & free".

- Can be designed to transport very large, complex and/or heavy components
- Process speed up to 8 meters/minute
- Load bars can be routed horizontally and vertically
- Each carrier can be programmed to go through specific process tasks
- Available with switching gates, turning units, weigh sections and lift stations







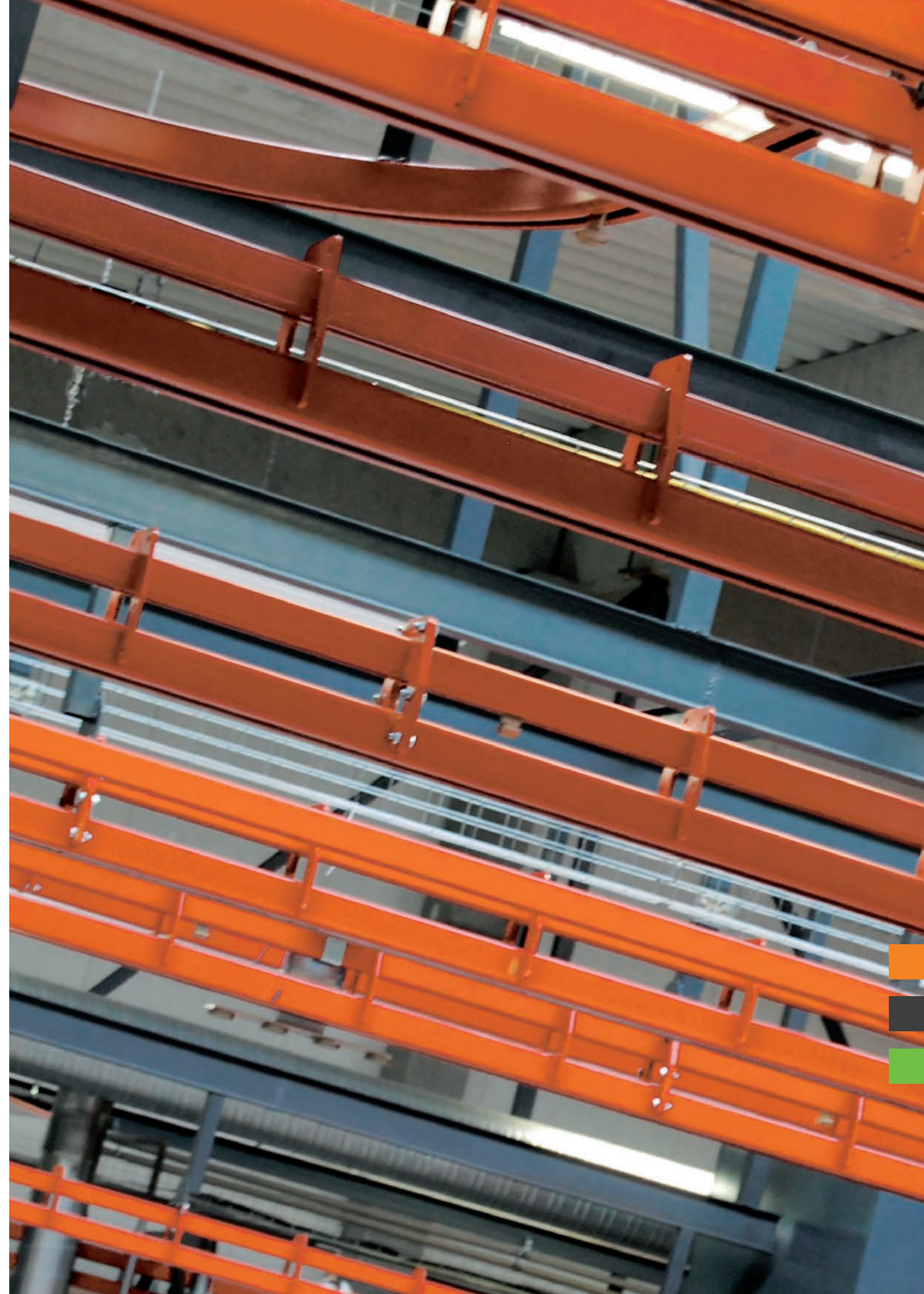
## Manual conveyor

This conveyor system relies on manual conveying of the products through a finishing line. The system can be combined with a chain pulling the wagon through parts of the process, either as step or as continuously, creating a semi automatic function to the manual conveyor system

For weights up to 2000 kg we use a c-profile mounted through the whole line. For heavier products and parts, an I-beam system can come into function.

The system is very often constructed with shunting tracks and rotation devices, hoists and other help for the operators. This makes it possible to choose different operations depending on the products and independent of the time in the process.

- Used when automatic transport of goods is not required
- For production with low capacity needs, but high demands for flexibility
- For unit weights of up to 2,000 kilos
- Available with switching gates, turning units, weigh sections, lift stations, accumulation tracks and side transport devices
- Very flexible and simple transport solution

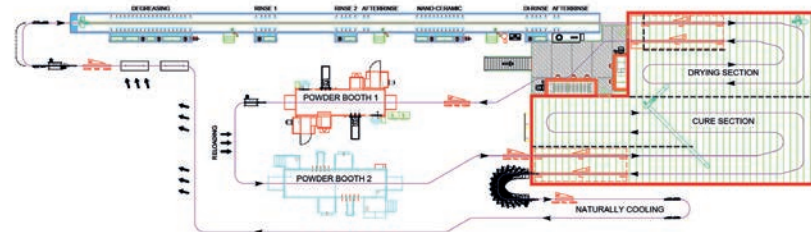
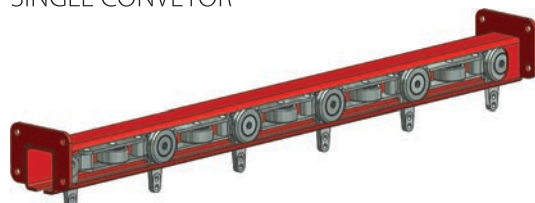




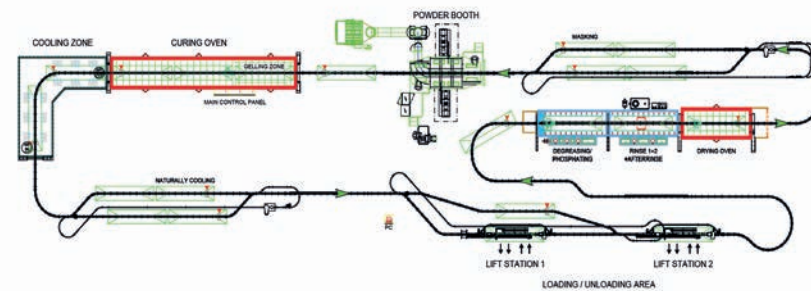
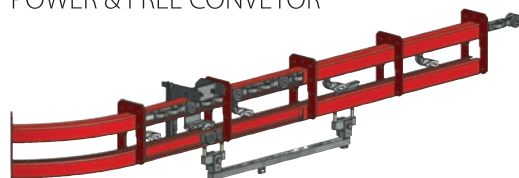


# Conveyor systems:

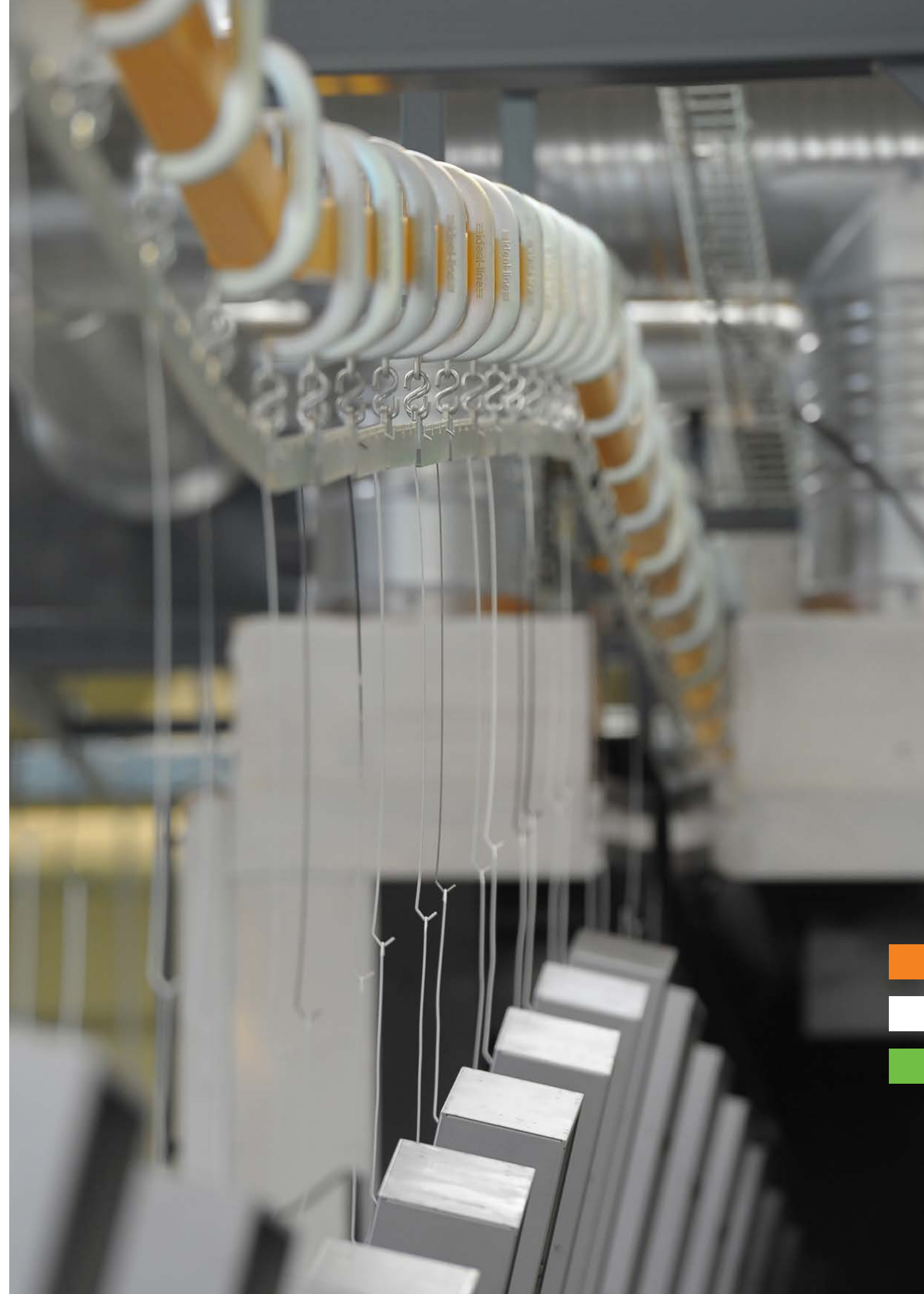
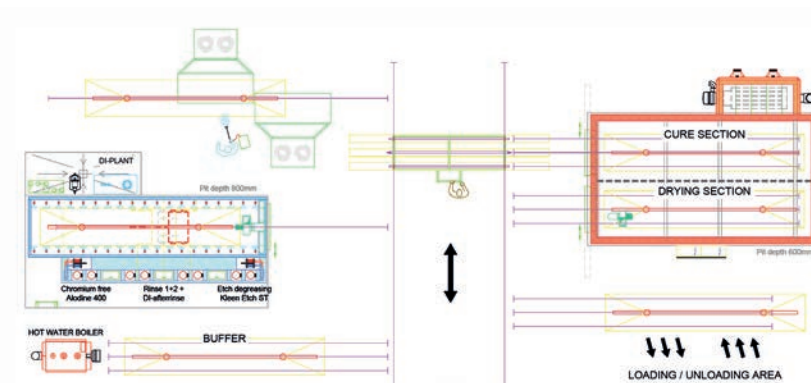
SINGLE CONVEYOR



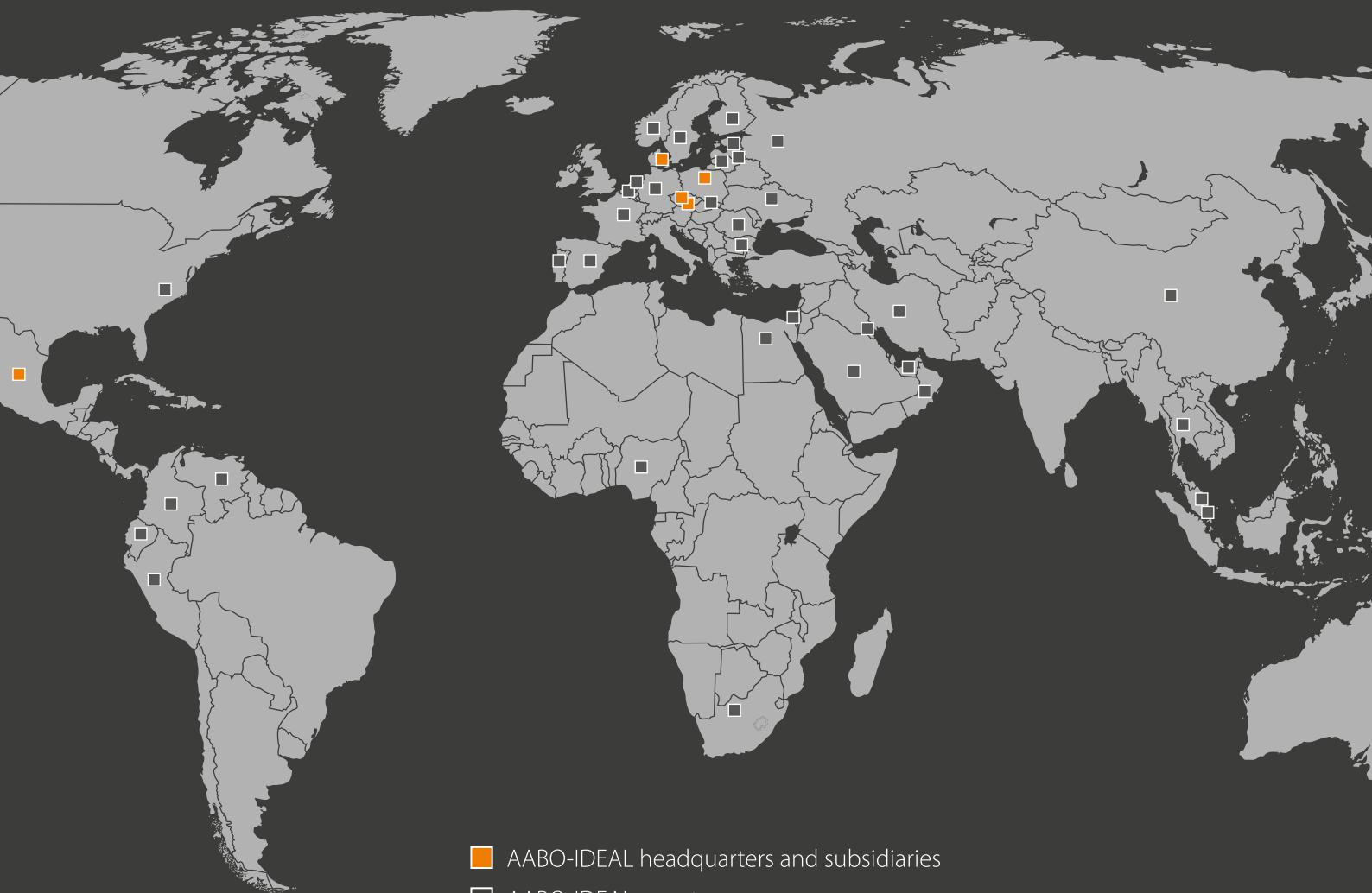
POWER & FREE CONVEYOR



MANUAL CONVEYOR







- AABO-IDEAL headquarters and subsidiaries
- AABO-IDEAL agents

## Represented world wide



**AABO  IDEAL**  
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