

# Tyre Handling Conveyors



**When completely extend, available in total lengths of 15m or 20m ...**

These conveyors can be extended continuously and are operated via a control panel at the lifting-platform. Electronically operated you move with the conveyor stack by stack forward or backward and raise or lower the platform level by level of the tyres.

Your advantage with the conveyor: After finishing a loading procedure you move the conveyor to the next dock and start the next loading procedure on the next truck (no fixed installation required).

Or you push the conveyor together and have it waiting on the side for the next loading procedure, while you use this dock to load pallets with a fork-lift.

# Tyre Handling Conveyors



**... and placed out of the way on the side with a length of 6m or 7m !**

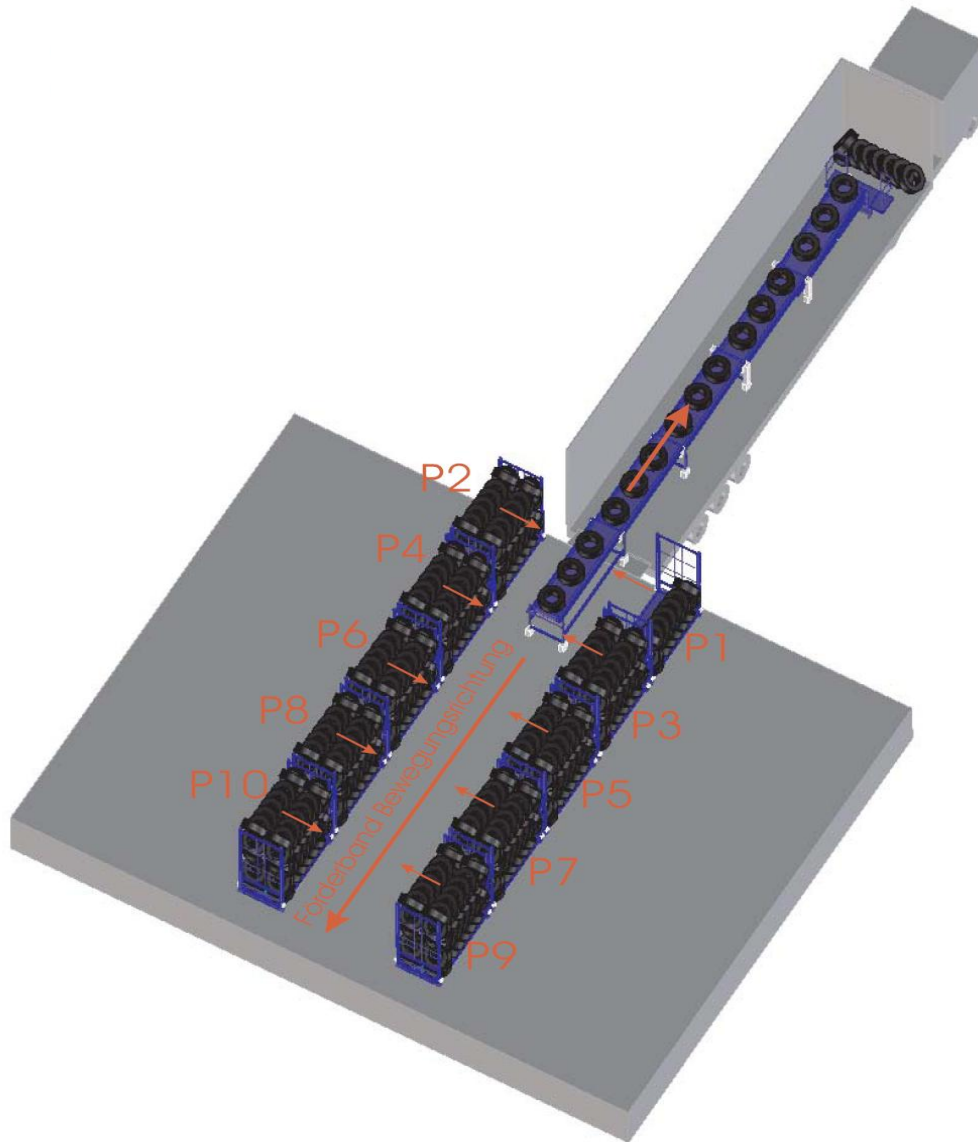
With these conveyors you can reduce the time for the loading and unloading processes. In practical use our customers could achieve a reduction of their loading time on an average between 20-30% \*) und could therefore raise their own added value.

You increase the performance and stability of your work processes, you reduce the waiting time of a truck and you even can ship more tyres per truck, since you can load higher with the lift-able platform.

*\*) average reference times of customers (preconditioned it is a homogeneous load of tyres):*

*Un-Loading: 2-3 persons in 45- 60 Min.*

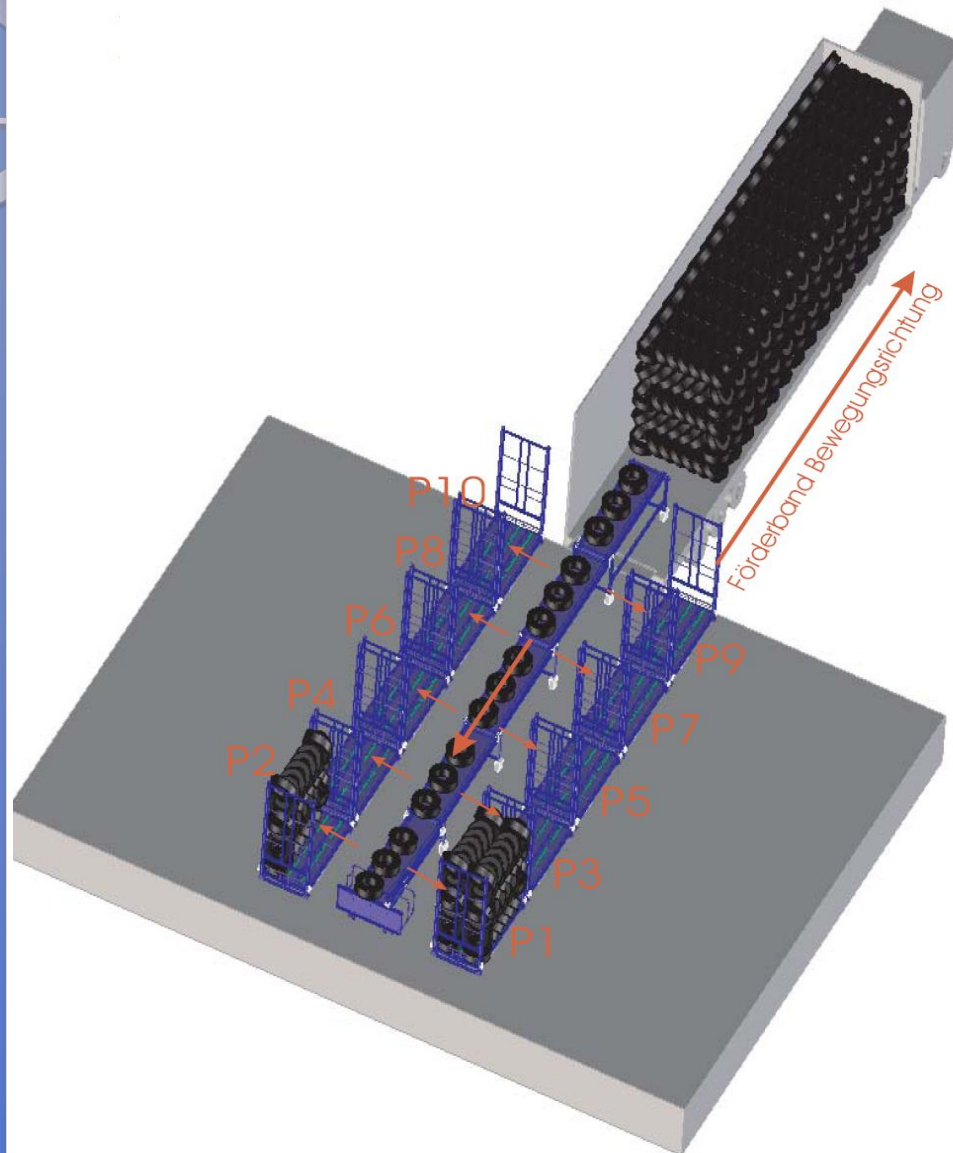
*Loading: 2 persons in 60 Min.*



For **"loading"** you pile up the tyres stack by stack from the back.

During the loading procedure the conveyor moves outside and pushes at a certain point the last conveyor elements together, so they do not interfere into other operations in the warehouse.

"Taking ON and taking OFF" the tyres from the conveyor is performed at a height, where workers do not have to bend down.



For "**unloading**" you take away the tyres stack by stack and move into the truck. During the unloading process the conveyor follows inside, whereas the rest of the conveyor remains outside along the pallets.

Full pallets are replaced from the fork lift operator with new and empty pallets.

You will have a constant work-flow.



*...for best ergonomic working conditions the platform is lifted level by level either downwards....*



*.... or upwards*

By carrying the tyres via the conveyor and using the lift-able adjustments of the platform, you reduce the physical strain for the workers as well as the hazard of injuries compared to manual loading procedures. In combination with the time advantage, the initial investment is amortized in a short time.

Furthermore, the tyres are treated with a conveyor more gentle, no dust collected on the tyre tread by "rolling", stickers won't be removed easily, etc.



*Example of an arriving shipment, where the full height could not be utilised*

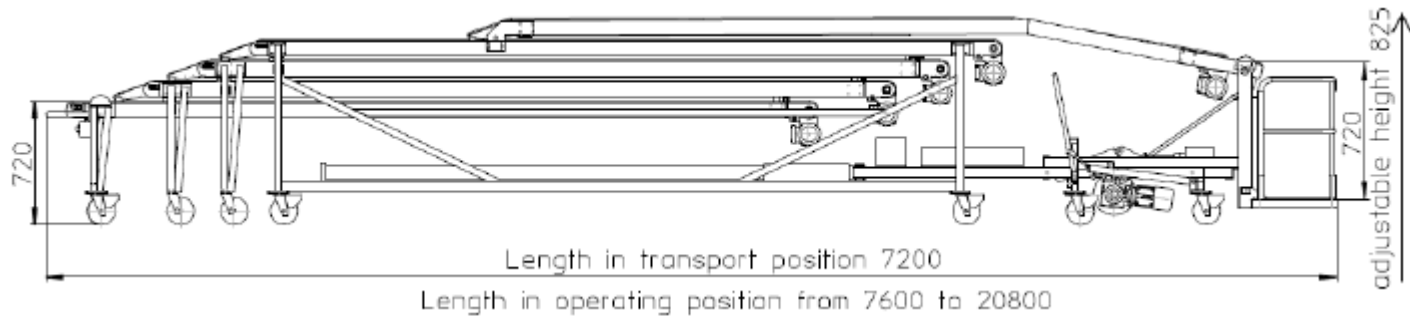


*Example for a loading with the conveyors and the utilisation of the complete height inside*

## **Up to 10% more tyres loaded !**

Due to the height-adjustable Lift-platform of the the conveyors you load a container or truck "up to the ceiling" and use the complete available volume.

With the efficient use of the total real existing freight volume per loading procedure, you save overall time and transportation cost.



...this example in the picture contains the data of the version "Universal Conveyor, long"

### Some technical data\*)...:

Our product range on Aluminium-Telescopic-Conveyors includes **LOADING**-conveyors, **UNLOADING**-conveyors and **UNIVERSAL**-conveyors (for loading AND unloading). Each type is available in a standard-version (around 15m extended length) and in a long-version (around 20m extended length).

|                    |                     |                      |                       |
|--------------------|---------------------|----------------------|-----------------------|
| Working height:    | 780mm               | Ambient temperature: | min -15°C / max +40°C |
| Adjustable height: | 825mm               | Protection class     | IP 54                 |
| Width platform:    | 1800mm              | Supply voltage :     | 240V                  |
| Weight:            | approx. 400 – 500kg | Electric power:      | 2,8 KW                |
| Variable speed:    | 0,1m/sec – 0,6m/sec |                      |                       |

\*) right reserved for technical changes

According to customers demands we can also design and engineer conveyors in different types for various needs and individual requirements.

## A few details...

A sophisticated conception, which also takes into consideration the details for the users, is giving you the continuity in your processes.



*...continuously loading processes are bringing you advantages....*



*...the Command unit for all control commands and emergency-stop*



*...photo-cells at each end-position stop the conveyor once the goods are not unloaded timely ....*



*...the special designed ramps allow a tyre transport in each direction....*



*...at customers choice the counter-units are fixed to a frame above the conveyor...*



*...or the counter-units a placed on the side on the conveyor in protected boxes...*

## **Optional: the Counter-Unit for a conveyor**

Our optional counter-unit contains two counter devices. With the first counter you count the number per batch (size) and re-set it to “Zero” after this batch is fully loaded or unloaded; the second counter runs till the complete loading process is finished and it shows the “total number of tyres” you have handled in this shipment.