

# High-speed tire transport

Optimal solutions for tire industry

## Industry

Tire industry

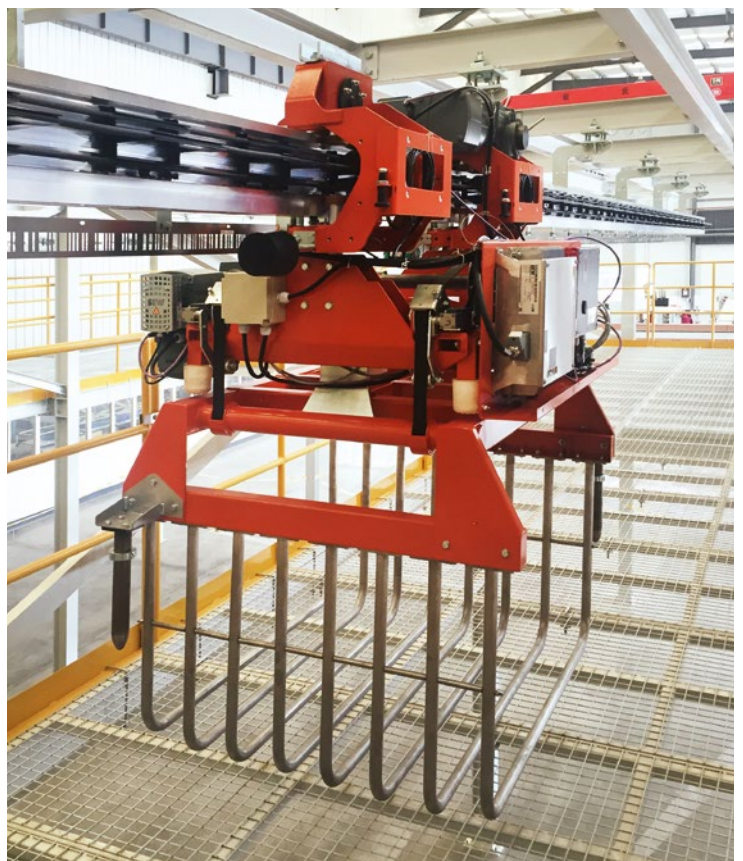
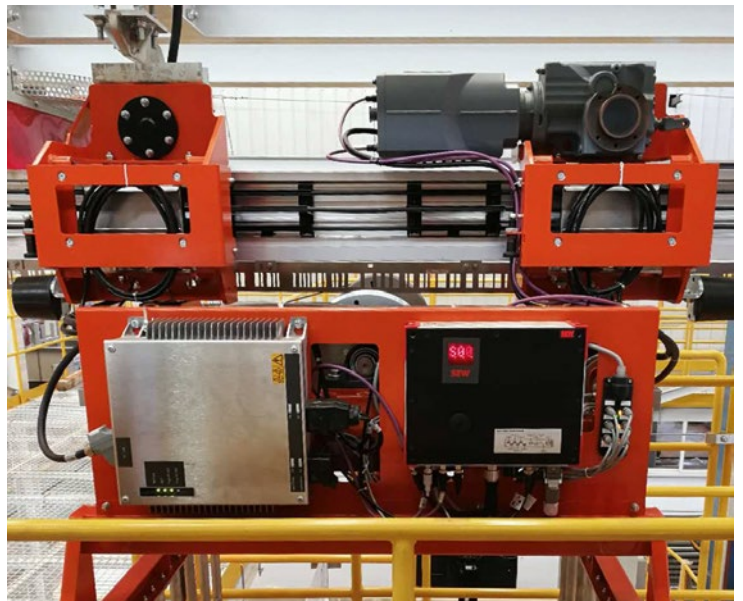
## Solution

High-speed electrified  
monorail system

## Customer / machine builder

MESNAC Co Ltd. /

UP Universelle Fördertechnik GmbH



# Fast and efficient material transport

High-speed electrified monorail system for fast and careful green tire transport

- Fast transport of green tires to vulcanization
- Stable WLAN communication with maximum bandwidth thanks to slotted waveguide integrated in the mounting rail
- MOVITRANS® inductive energy supply – contactless, quiet, wear-free and low-maintenance
- Smooth-running, low-noise and space-saving EMS HW/HK drives with clutch in gearbox output stage

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## 4 m/s



### Speed

The cycle time is very critical for tire vulcanization and therefore high driving (4 m/s) and lifting speeds (1 m/s) as well as high acceleration (1.5 m/s<sup>2</sup>) are important.

2

## 1.5 kW



### Powerful

MOVIPRO® PHE advanced drive and application controller, with integrated 1.5 kW frequency inverter for the travel axis and connection for additional decentralized drive.

### Customer feedback



→ “Over the past 15 years, using SEW-EURODRIVE’s products with the option of local support in nearly every country in which we have set up our systems have been significant factors in the success of our projects domestically and abroad.”

### Fabian Pietsch

Managing Partner at UP GmbH

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## 7



### 7-segment display

7-segment display and 16 status LEDs for quick and easy diagnostics as well as a parameter module for fast commissioning and device replacement.

