

# LOSYCO

## LOADING AND UNLOADING WITH LOXRAIL®



**Heavy-duty material feed solutions**

**LOXRAIL®-SYSTEMS**



## YOUR BENEFITS

### High throughput

- loading and unloading during machine productive time
- high load capacity on a small footprint

### Flexible handling

- easy change of direction
- optional integration of junctions

### Low rolling friction

- easy to push in manual applications
- drives with low power consumption

### Rails flush with the floor

- no impairment of work processes
- plant vehicles can cross the rails unhindered
- loading and unloading outside the (robot) working cells

### Robust and low-maintenance

- easy-to-clean rails
- dirt-tolerant without immediate functional restriction

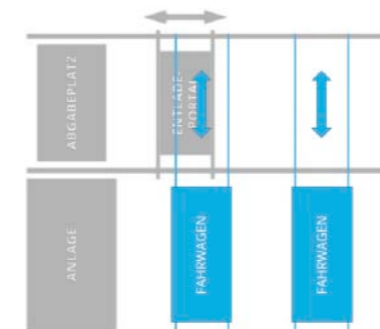
### Precision and accuracy

- precise parts positioning
- positioning on aligned markers for maximum accuracy

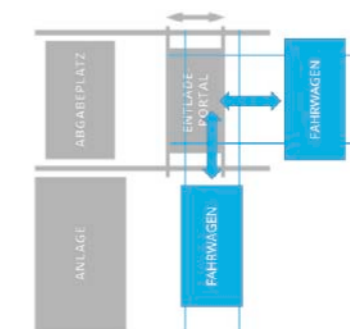
### Scalable automation:

- motorized solutions with integrated control
- interfaces for integration into the plant control system
- safety concepts according to plant specifications

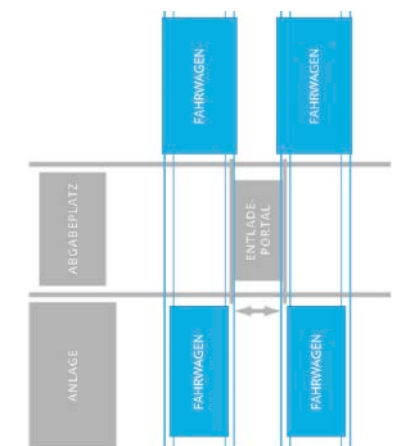
## ADJUSTABLE LAYOUTS



loading from one side to two positions



rail track with junction and two hand-over points



linear solution with two or four loading and unloading points

Based on our LOXrail® system, we design and implement customized solutions for heavy-duty material feed. The LOXrail® floor rail system provides a very long-life, low-maintenance solution for machine loading and unloading of large and bulky parts which can weigh several tons. We manufacture tailor-made transport components and design complete intra-logistics solutions for your plant.

## OUR PORTFOLIO

### Systems and trolleys for parts feeding into

- handling portals in laser cutting systems
- winding machines in the paper and film industry

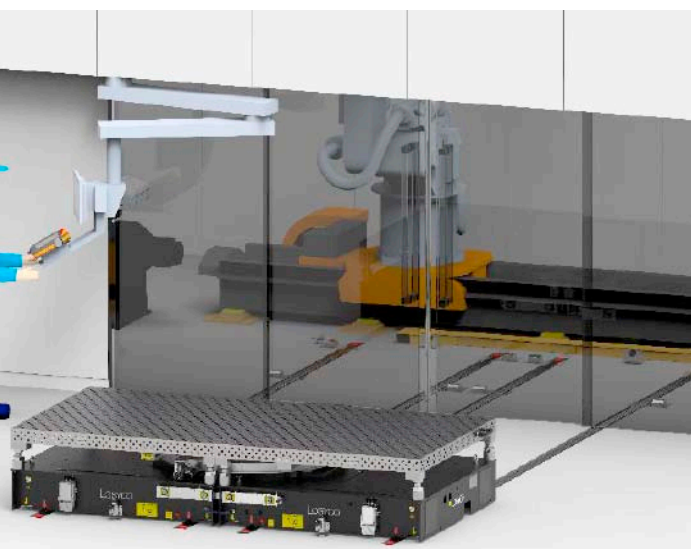
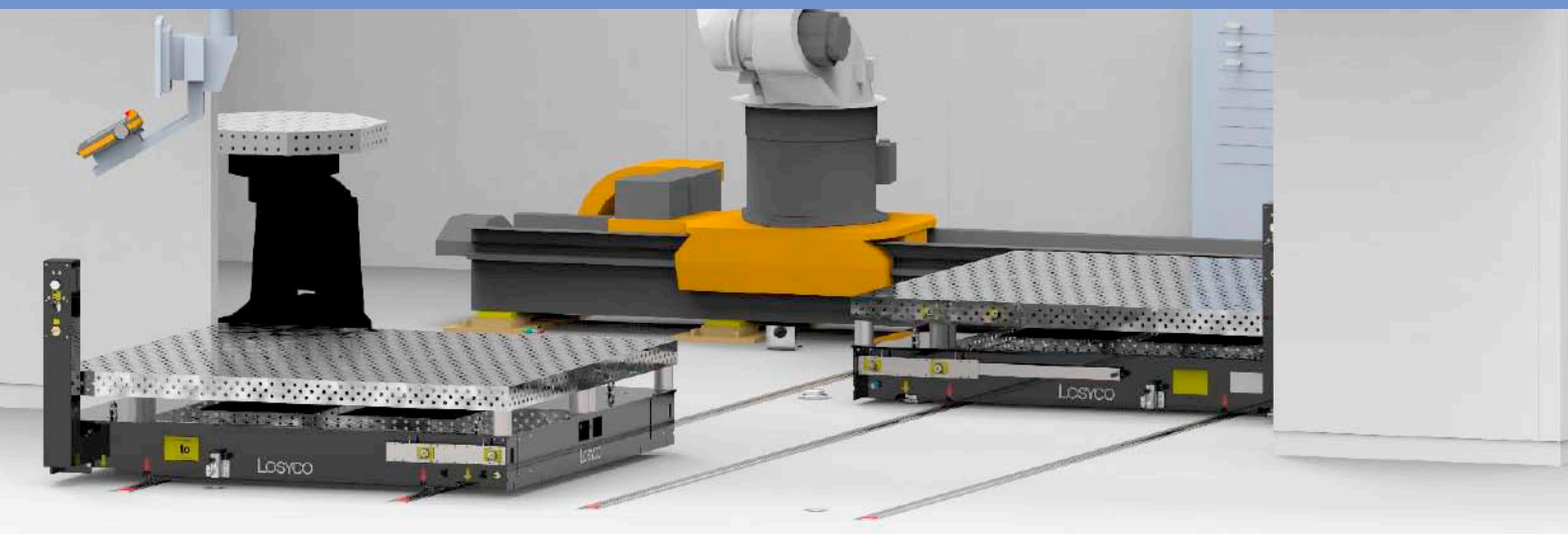
### Implementation of setup areas for

- welding cells and welding systems (laser welding, robot welding)
- measuring machines (coordinate-measuring machines, measuring bridges)

- components or complete transport trolleys including assembly and installation
- layouts adapted to space conditions, material flow, and plant floor plans
- manual or automatic feeding
- optional solutions for high positioning accuracy



# PRECISION FEEDING FOR WELDING SYSTEMS



Feeding parts into robot welding cells requires precise positioning. Our feeding systems for welding cells and welding systems ensure maximum precision and repeatability. Raw parts are placed on trolleys outside the working area and moved into position on LOXrail® floor rails.

The integrated lifting function allows trolleys to be lowered onto markers for repeatable positioning. For accelerated or continuous throughput, we can implement coupled trolley pairs: while one trolley is inside the machine or processing equipment, the other is already on standby in the setup area to facilitate a rapid changeover.

The system is optionally available with a rotary function, which allows optimal accessibility of transported parts.

## LOXRAIL®-SYSTEMS

### LOXrail® 25



LOXrail® 25 for low to medium load ranges (up to 10 tons for manual operation, up to 20 tons with auxiliary drives)

### LOXrail® 40



LOXrail® 40 for heavier loads (up to 60 tons)