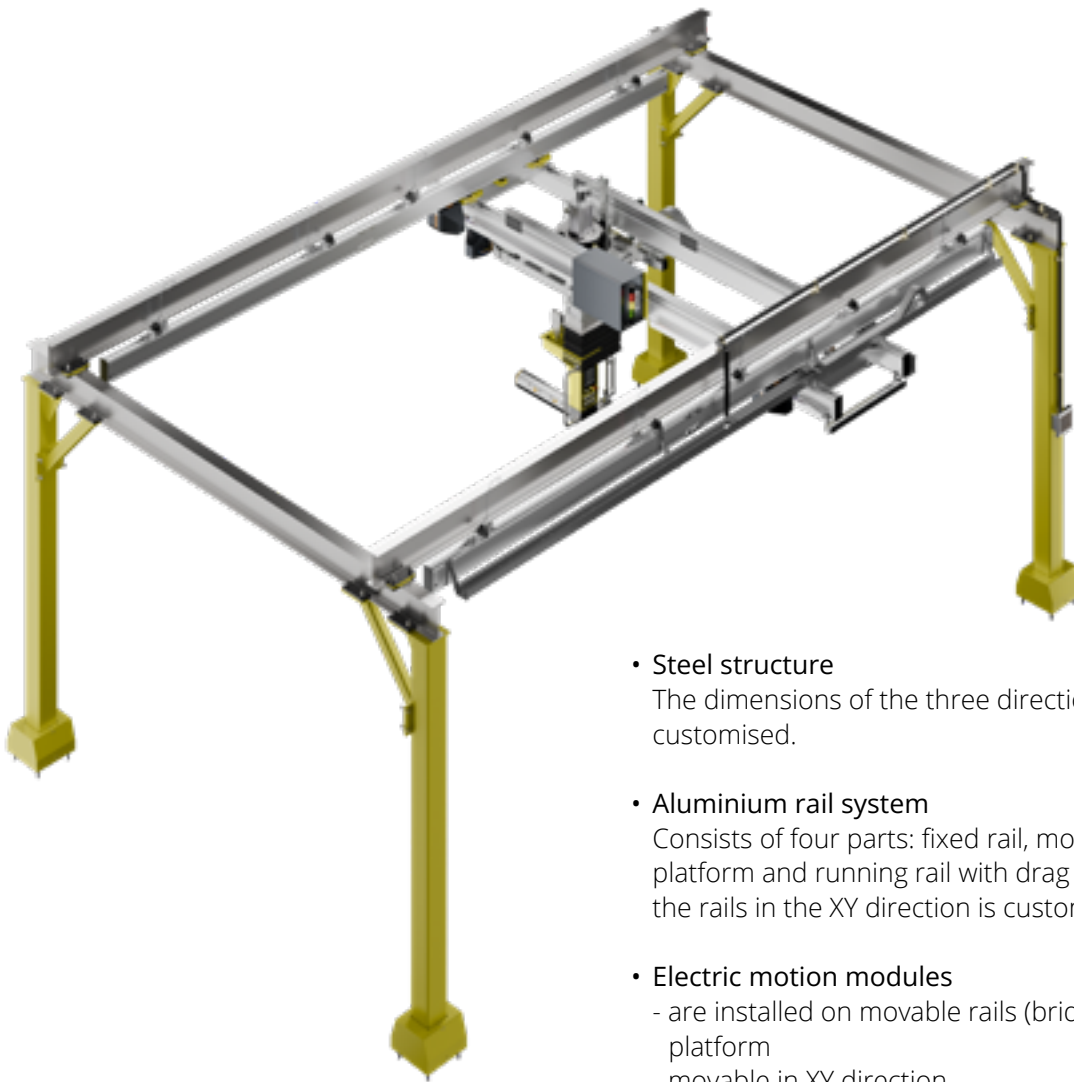


OHT SYSTEM

LIFTKON

The OverHead Transport system is a system for loading and unloading electrode rolls, but other applications are also possible. It is easy and ergonomic to operate and is precise and fast. The dimensions of the workspace can be customised. The system can be integrated into a production line.



OHT SYSTEM

Consists of five main components:
Steel structure, aluminium rail system,
lifting system, tooling, electric drive modules.

- **Steel structure**
The dimensions of the three directions XYZ are customised.
- **Aluminium rail system**
Consists of four parts: fixed rail, movable rail, rotating platform and running rail with drag chain. The length of the rails in the XY direction is customised.
- **Electric motion modules**
 - are installed on movable rails (bridge) and rotating platform
 - movable in XY direction
 - controlled by the joysticks on the handling device
- **Lifting system**
Consists of the following parts: endlessly rotating Z-axis, rotating platform with rotary joint, electronic chain balancer, bellows, brakes, drag chain.
- **Tooling**
Consists of the following parts: Basic fixture, touch screen, button group, operating handle, joystick, pressure and clamping mechanism, position detection, camera for positioning, locking mechanism.



Rotating platform
with Z-axis



Z-axis



Chain balancer



Tooling, complete



Touch screen

Technical Data

Load capacity	max. 900 kg (other weights on request)
Power supply	230 V / 3.800 VA
Lifting motor	Chain balancer with AC motor (AC)
Standard stroke	2.000 mm
Lifting speed	max. 150 mm/s
3 Drives XY direction	AC motors (AC)
Power supply per drive	230 V / 440 VA
Motion in XY direction:	Electronic control of the direction of travel with direction detection
Travelling speed in XY direction	max. 163,3 mm/s
Z-axis	endlessly rotatable
Installation	Mounting on steel construction, floor or ceiling mounting
Dimensions of the workspace	Length mx. 35 m / width max. 11 m (dimensions will be customised)
Options	- Positioning options via camera / sensors - Rotation angle limitation of the Z-axis (4x 90°) - Manual bridge movement

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