



WOOD INDUSTRY

Speed Stacker Gantry Robot



JOULIN
vacuum handling

A brand by Piab Group



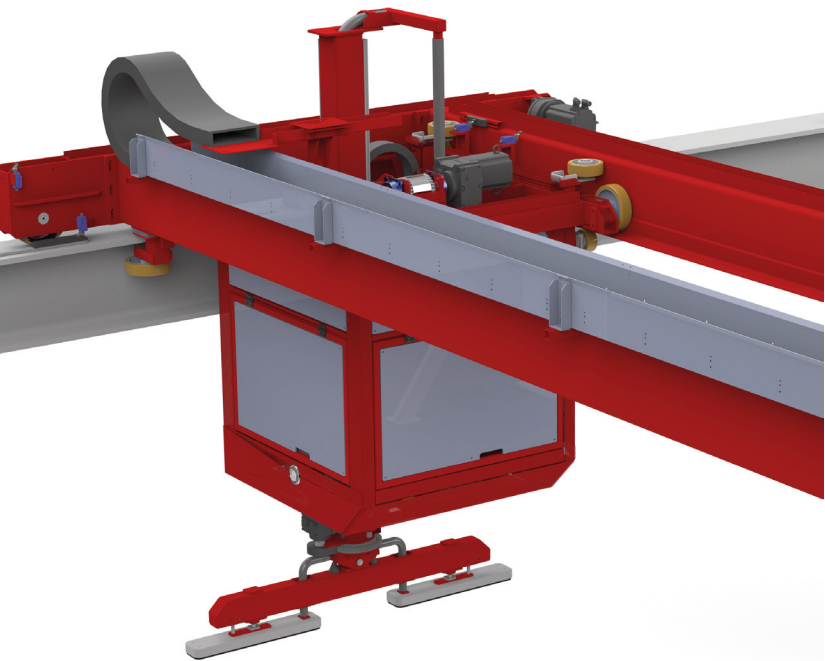
SPEED STACKER

The perfect tool to meet the need for wide area stacking!

- ✓ 400 or 600kg lifting capacity
- ✓ Lifting movements up to 1 m/s
- ✓ Traversing movements up to 2 m/s
- ✓ Stacking/sorting **over a large area**
- ✓ **Instant picking and release** of the boards
- ✓ **Warm air backflow** for extreme and cold environments
- ✓ Easy and low maintenance

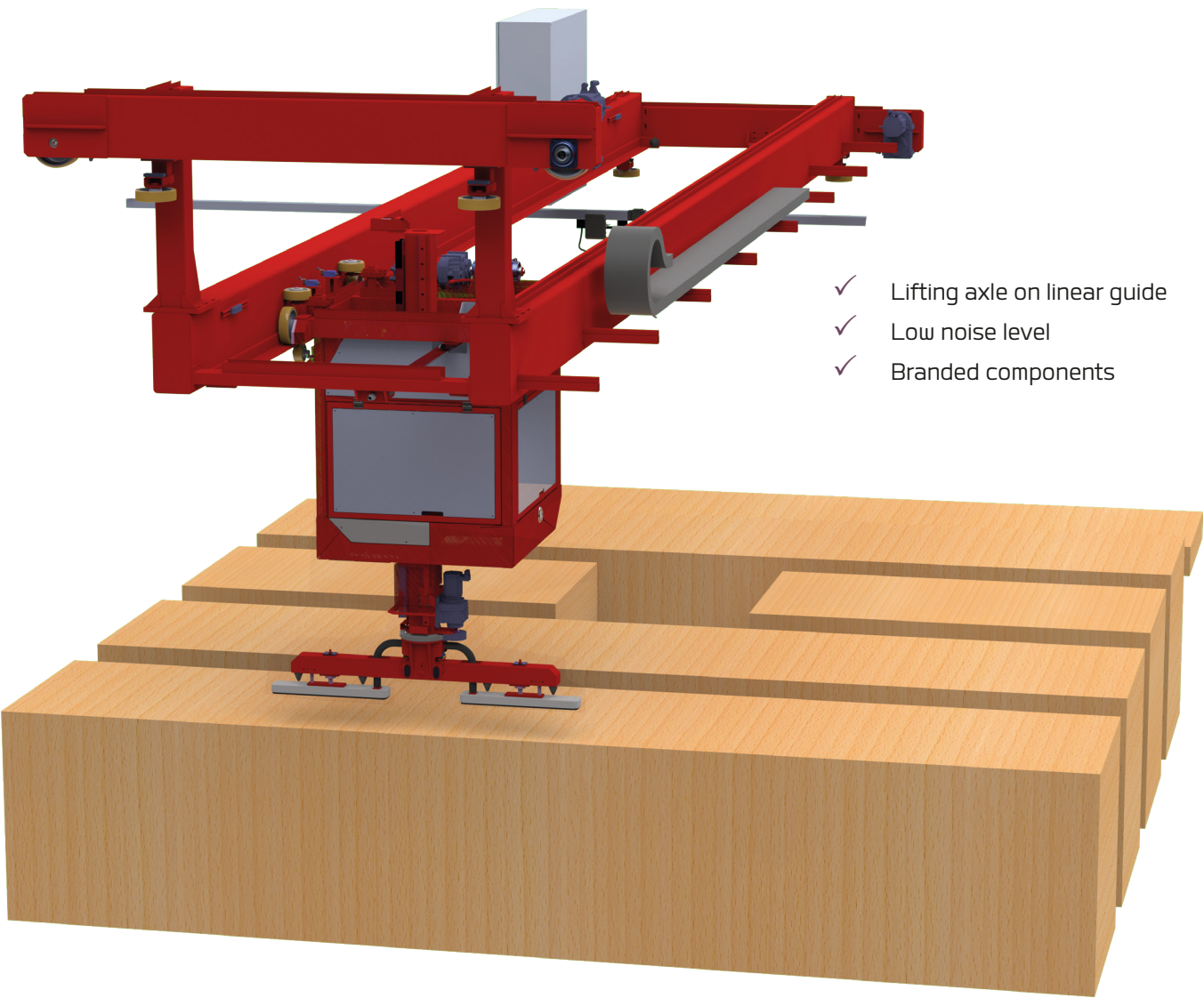


360° Rotation



Technical Data

- **4 axis** (lifting, cross and length movements, 360° rotation)
- **SEW CM3C** Servomotors and **Gen C** inverters
- Transmission with **Timing Belt** and **Polyurethane wheels**
- **Radiocommand** with **EtherCat** protocol
- Lifting movement with **linear guiding** system
- On-board **electrical control box**
- **Filtering system** for wet and dusty environments



- ✓ Lifting axle on linear guide
- ✓ Low noise level
- ✓ Branded components

High speed stacking and sorting

Characteristics / Standards	Speed Stacker 400	Speed Stacker 600
Length of boards	standard	reinforced
Weight of boards	7000mm	10000mm
Height of stack	400kg	600kg
Gripper dimensions	1600 to 2000mm	
Lifting Axis - linear bearing guide or urethane roller	2 grippers 100x650mm	2 grippers 100x900mm
Filter rating	ball-bearing guide	roller guide
Air Filter	5 µ	
Maintenance access	option	
Servo motor power rating	4 doors with gas springs	
High pressure vacuum blower	7,5kw	11kw
Radio control	5,5kw	7,5kw
Turbine à haut niveau de vide	-700mBar	
Radiocommande	IP65 protection rating	

Ergonomic and compact Radio-Command

SCREEN

Backlit screen with feedback

BUTTONS

Navigation and on/off buttons

SWITCHES

Multiple possibilities of configurable functions


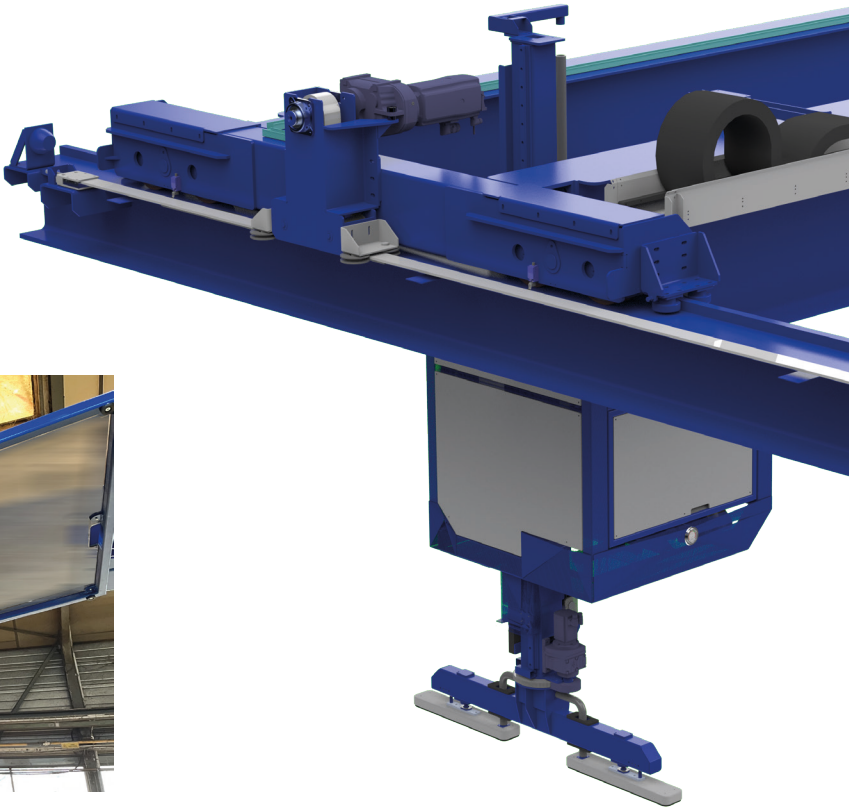
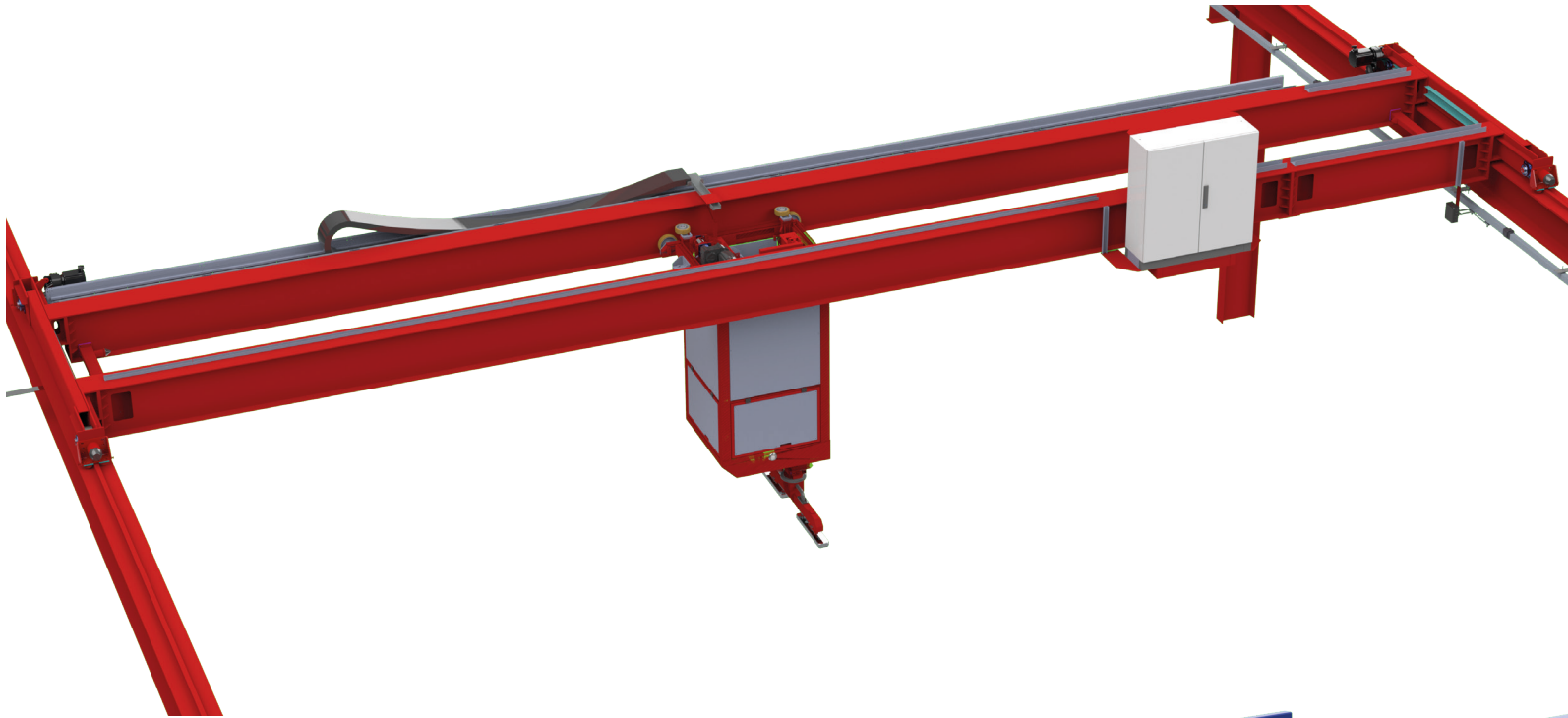
JOYSTICKS

Joysticks for stacker movements

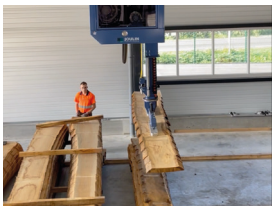
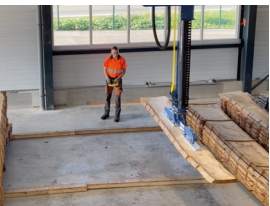
EMERGENCY STOP

Safety Mushroom Stop
SIL 3 - PL E

Bidirectional radio link

4 doors with springs for easy maintenance



Filtering system for wet and dusty environments



Polyurethane wheels



SEW Gen C inverters



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