

WOOD INDUSTRY

Speed Stacker

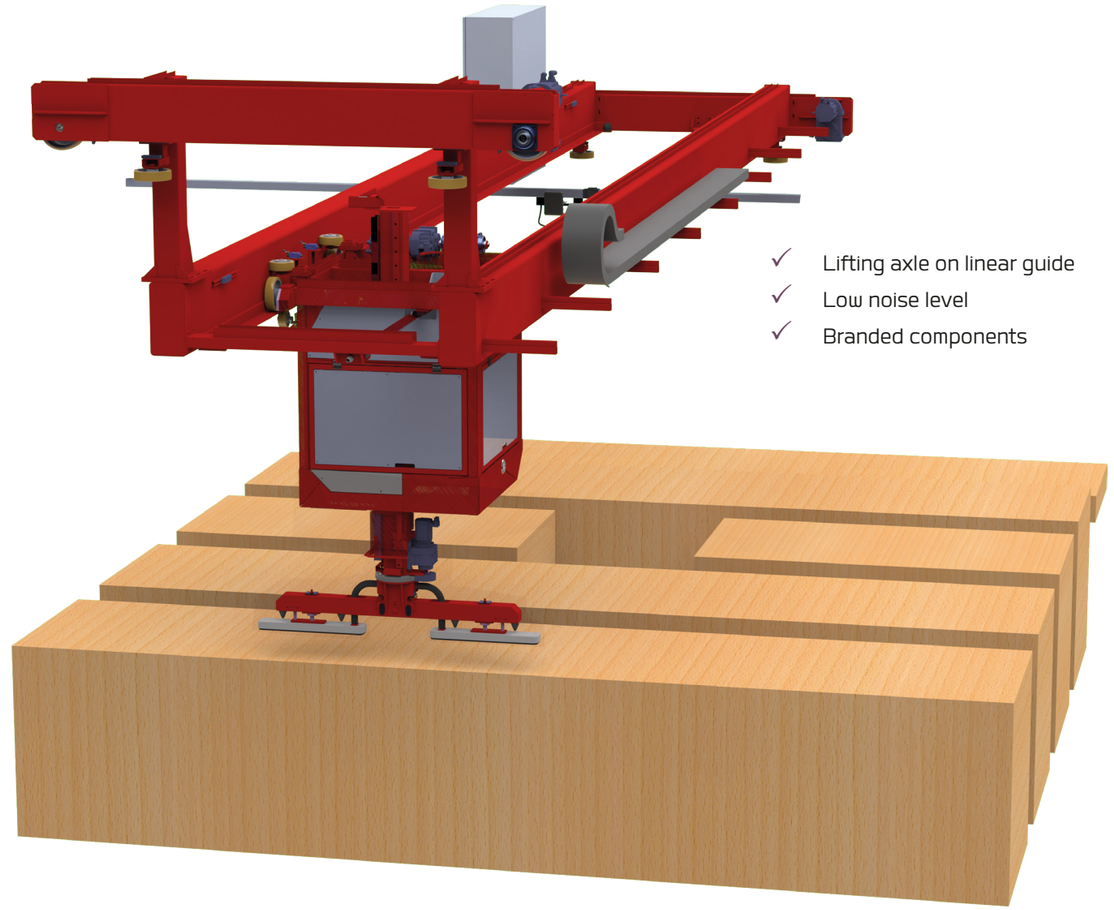
Gantry Robot

JOULIN
A brand by Piab Group

See the video
of Speed Stacker



SPEED STACKER



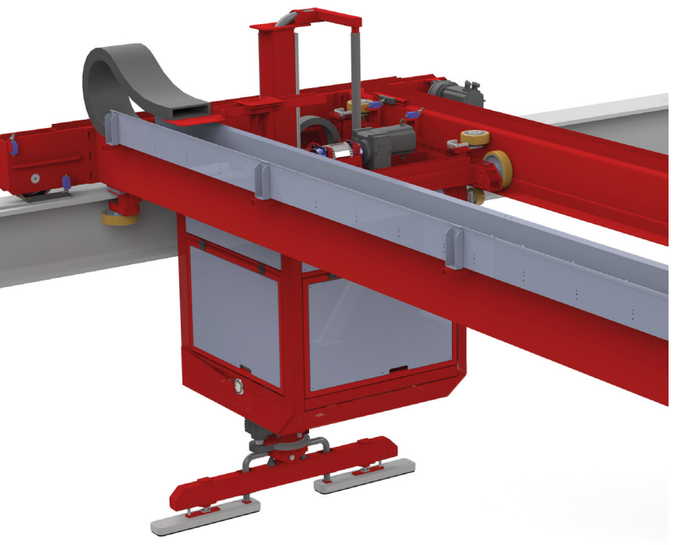
- ✓ Lifting axle on linear guide
- ✓ Low noise level
- ✓ Branded components

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 environemts

High speed stacking and sorting

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

Ergonomic and compact Radio-Command

SCREEN

Backlit screen with feedback

BUTTONS

Navigation and on/off buttons



Bidirectional radio link

SWITCHES

Multiple possibilities of configurable functions

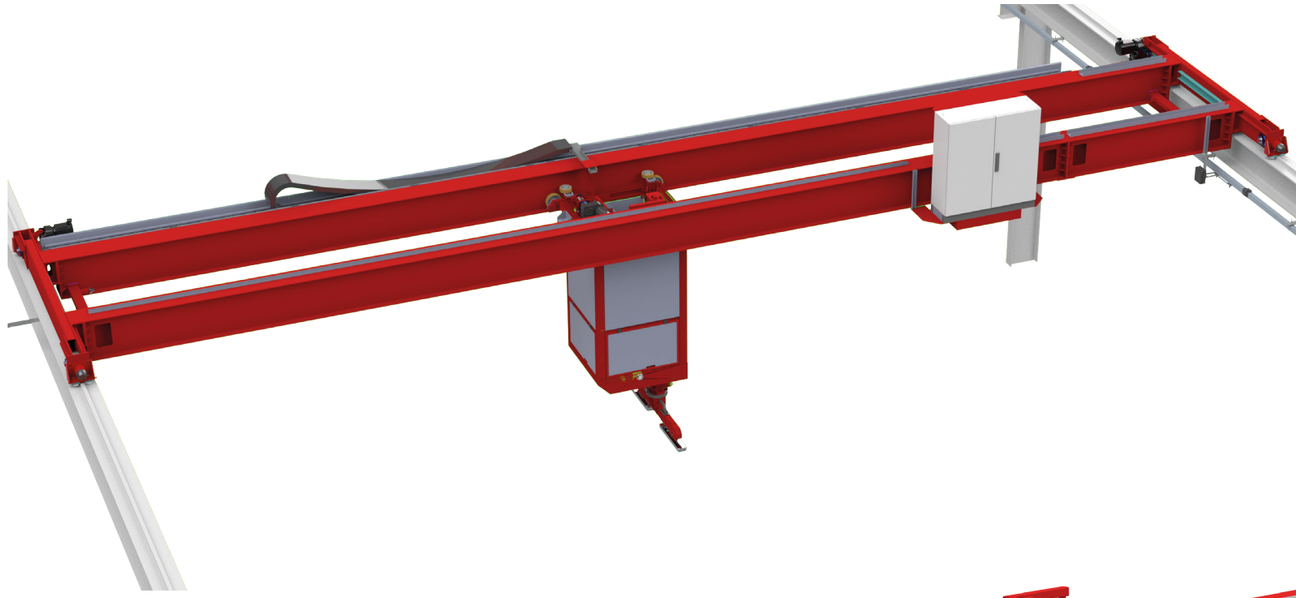
JOYSTICKS

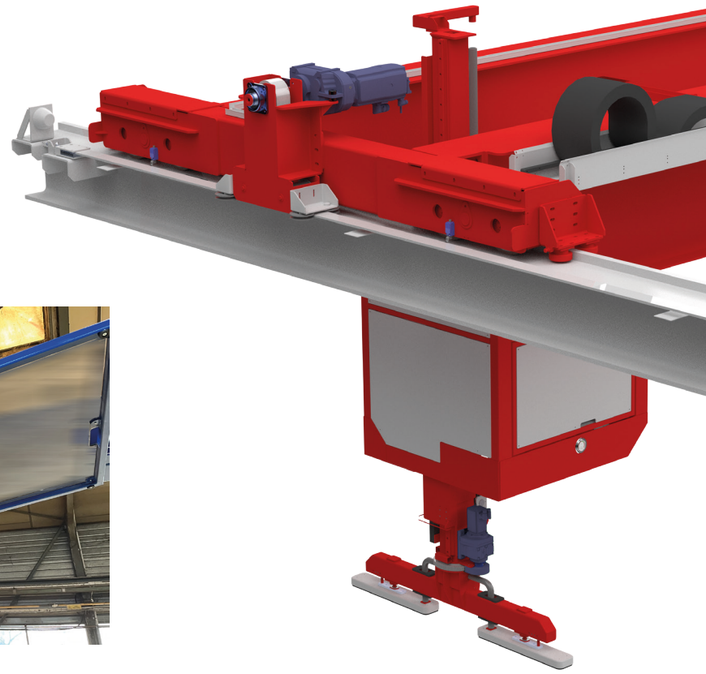
Joysticks for stacker movements



EMERGENCY STOP

Safety Mushroom Stop
SIL 3 - PL E







4 doors with springs for easy maintenance





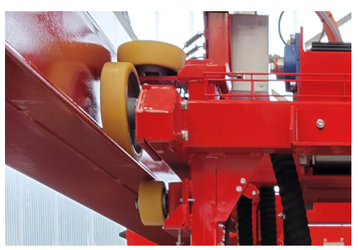




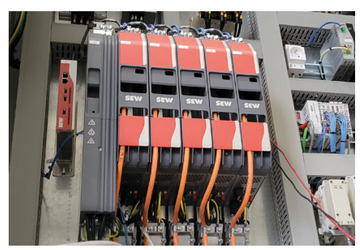




Filtering system for wet and dusty environments

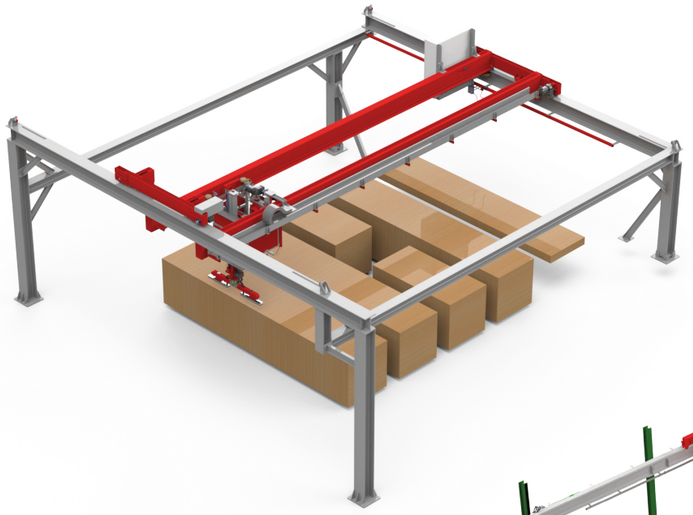


Polyurethane wheels

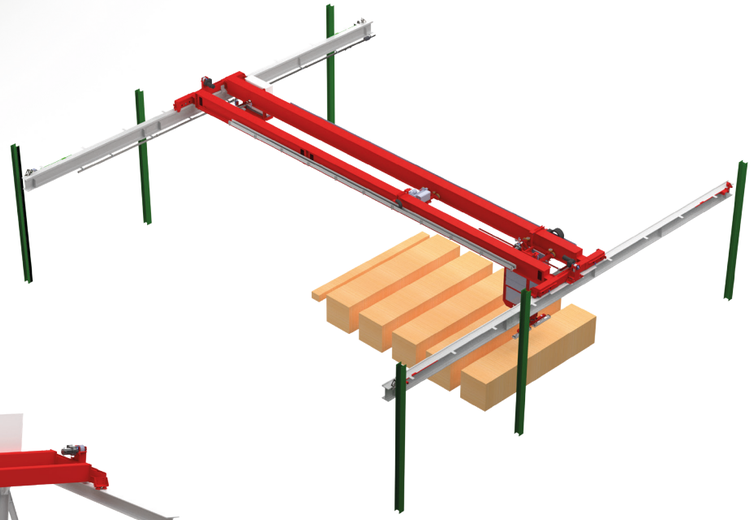


SEW Gen C inverters

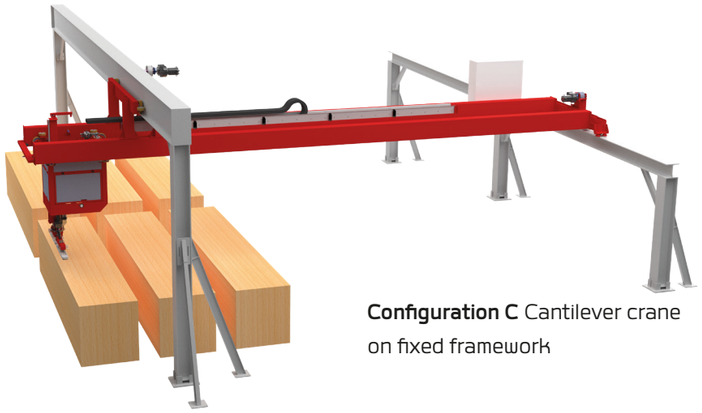
Examples of **installations**



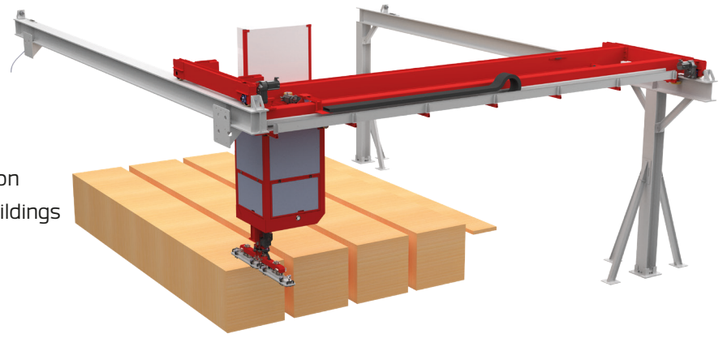
Configuration A Fixed framework (gooseneck possible)



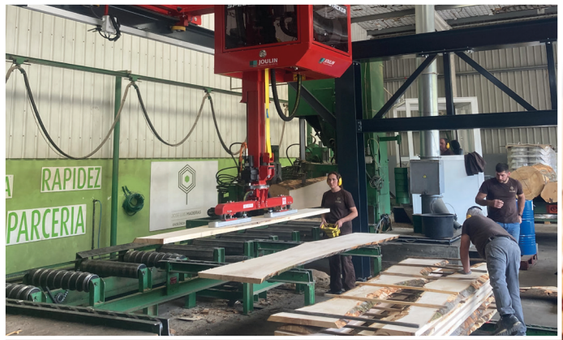
Configuration B Rolling tracks on building columns



Configuration C Cantilever crane on fixed framework



Configuration D Crane on fixed frawework and buildings



















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