



WOOD INDUSTRY

Speed Stacker Gantry Robot



JOULIN
A brand by Piab Group

See the video
of Speed Stacker

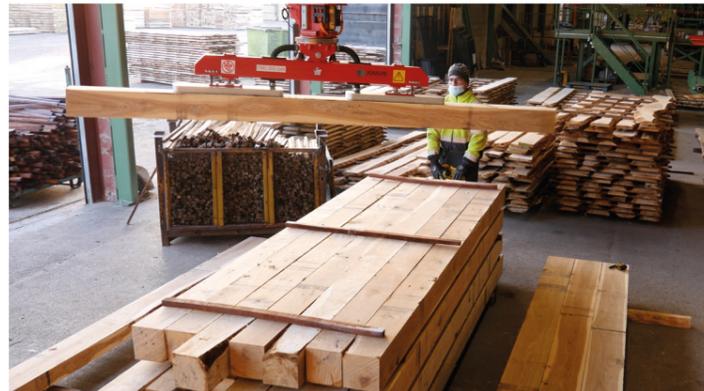


SPEED STACKER

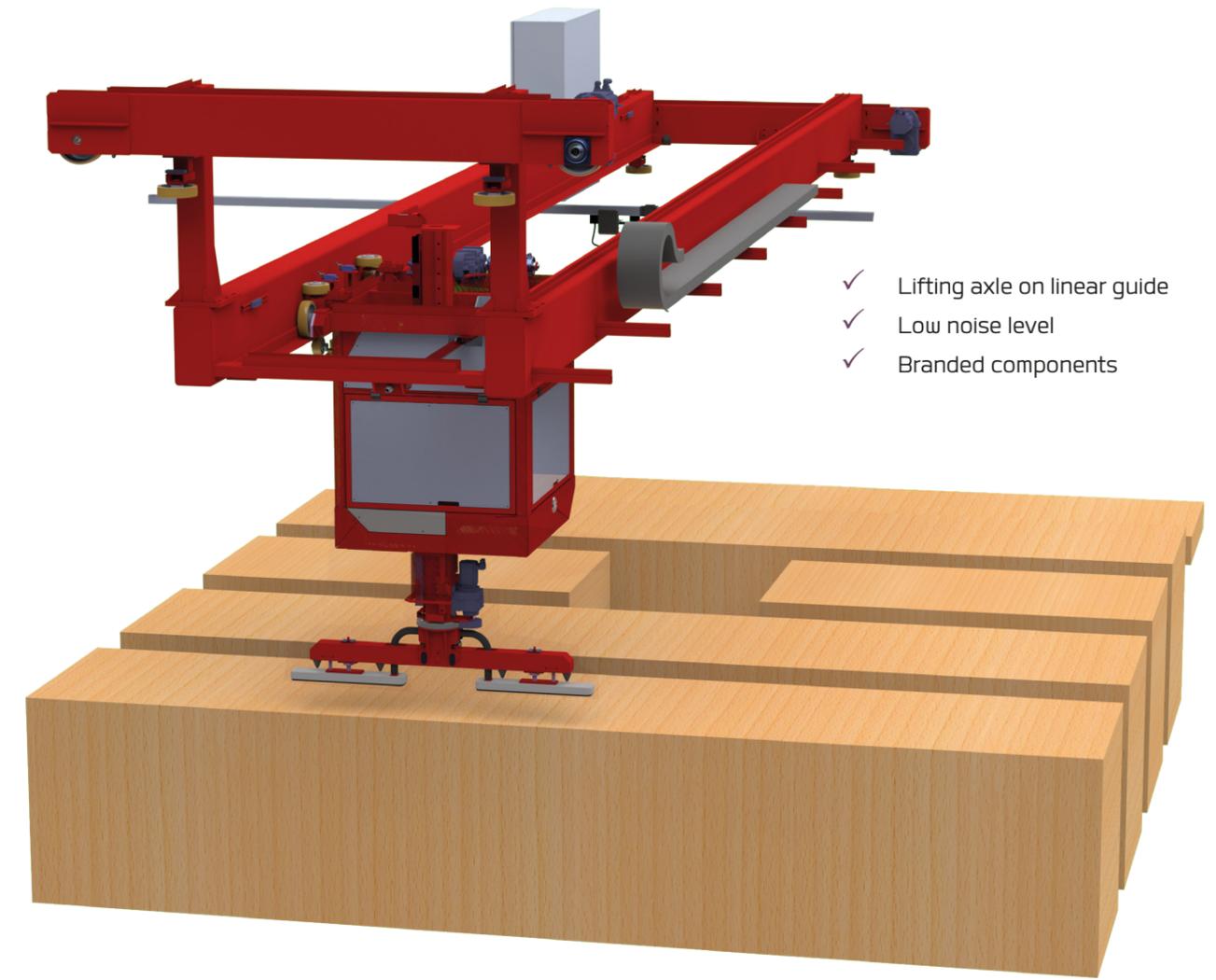


The perfect tool to meet the need for wide area stacking!

- ✓ 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

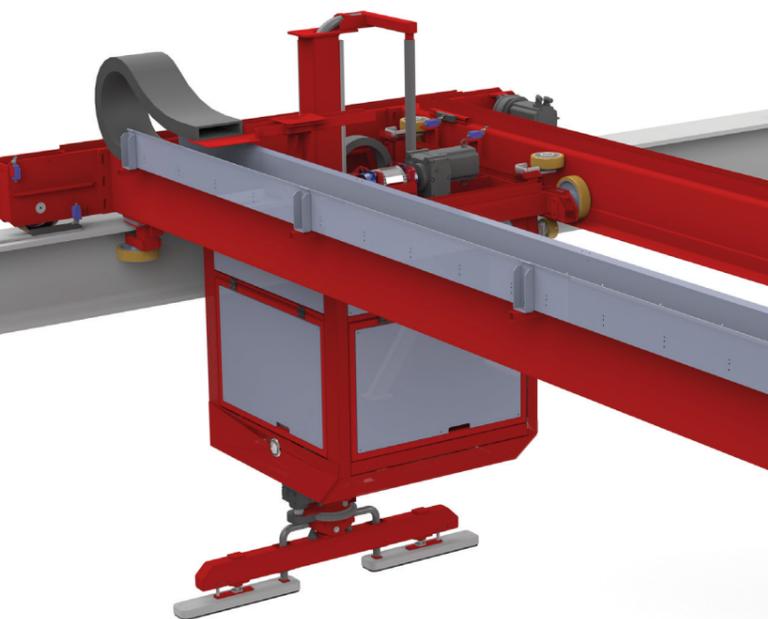


360° Rotation



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

High speed stacking and sorting



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

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

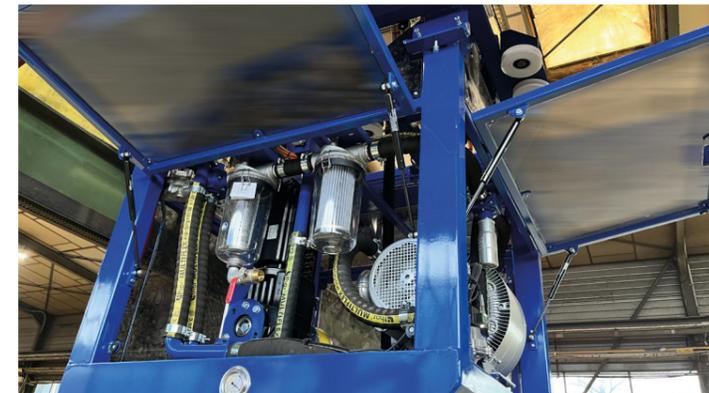
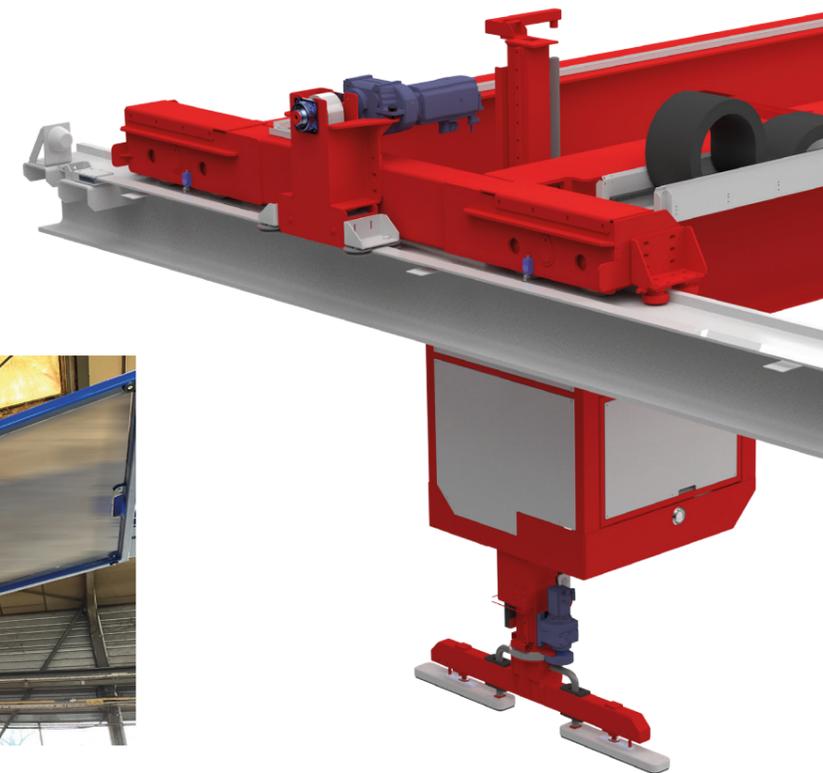
JOYSTICKS

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

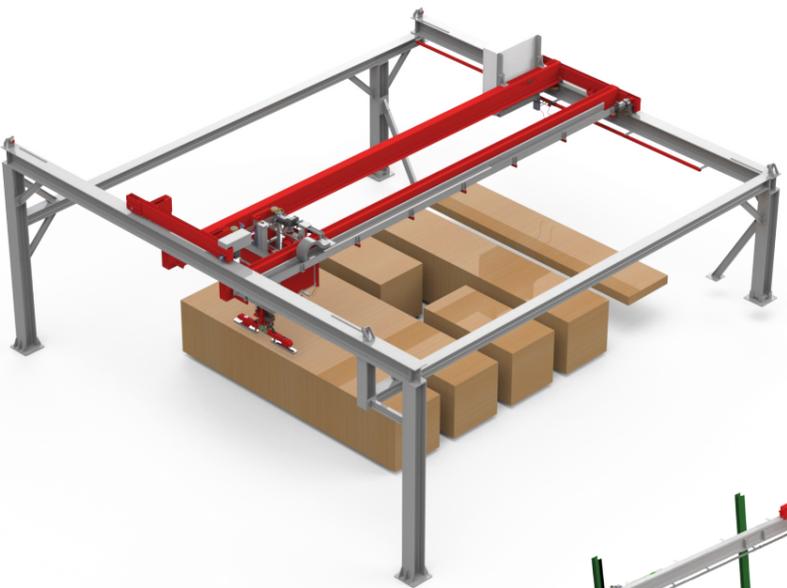


Polyurethane wheels

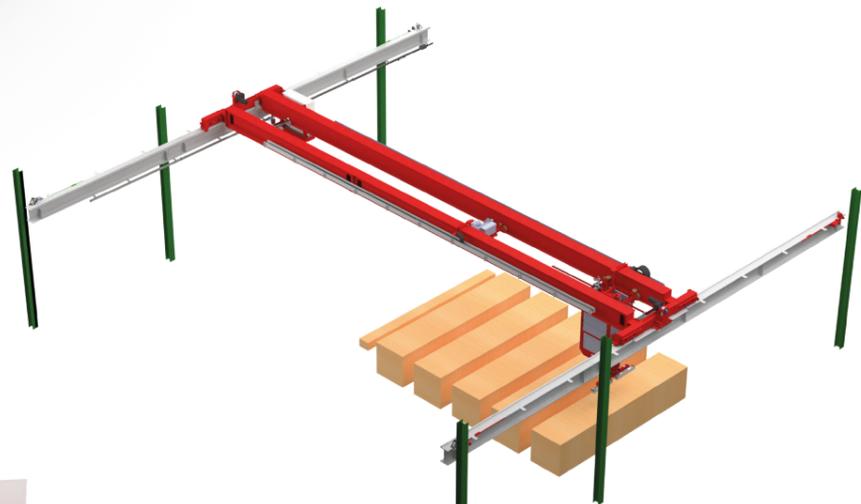


SEW Gen C inverters

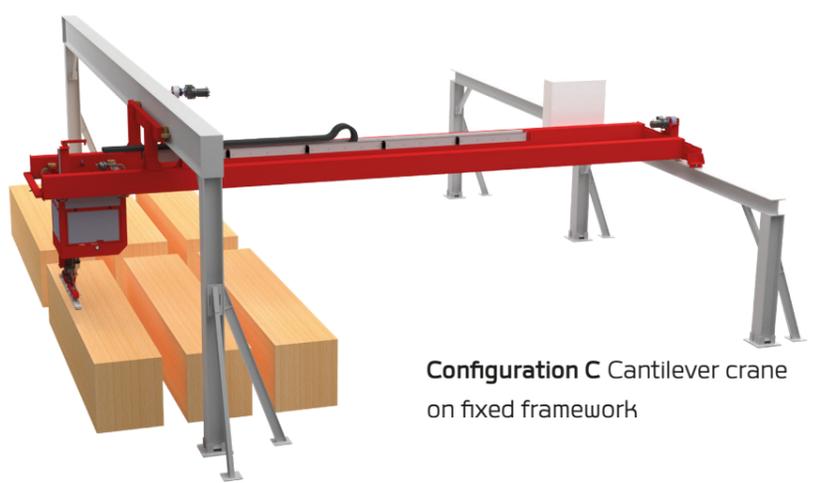
Examples of installations



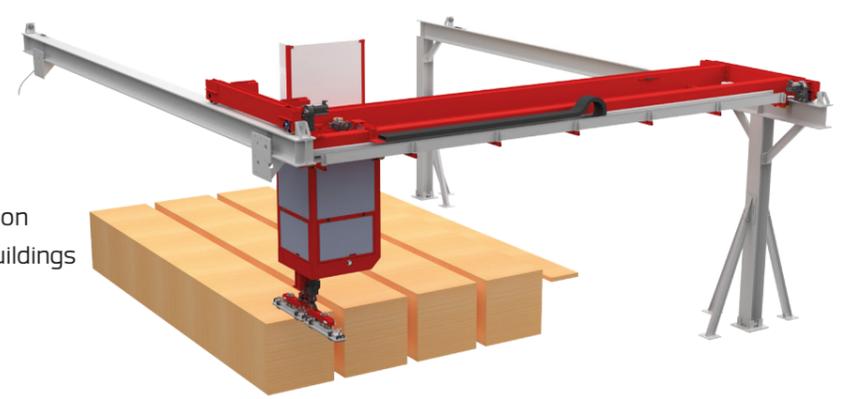
Configuration A Fixed framework
(gooseneck possible)



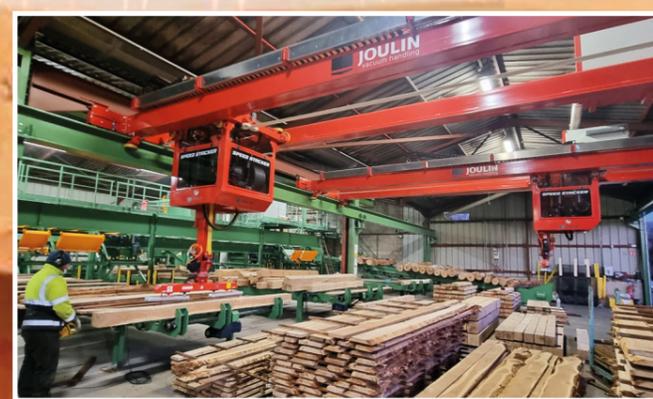
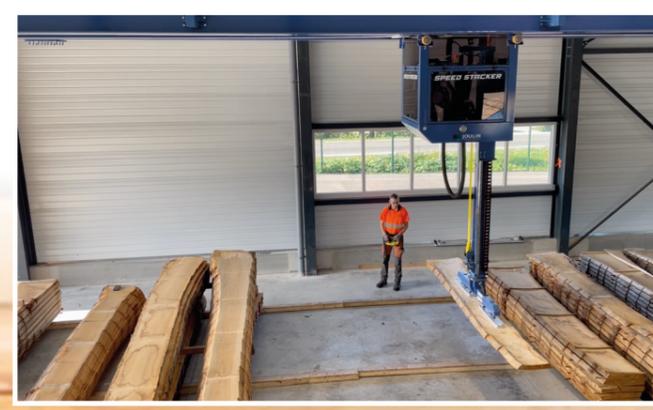
Configuration B Rolling tracks on
building columns



Configuration C Cantilever crane
on fixed framework



Configuration D Crane on
fixed framework and buildings





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