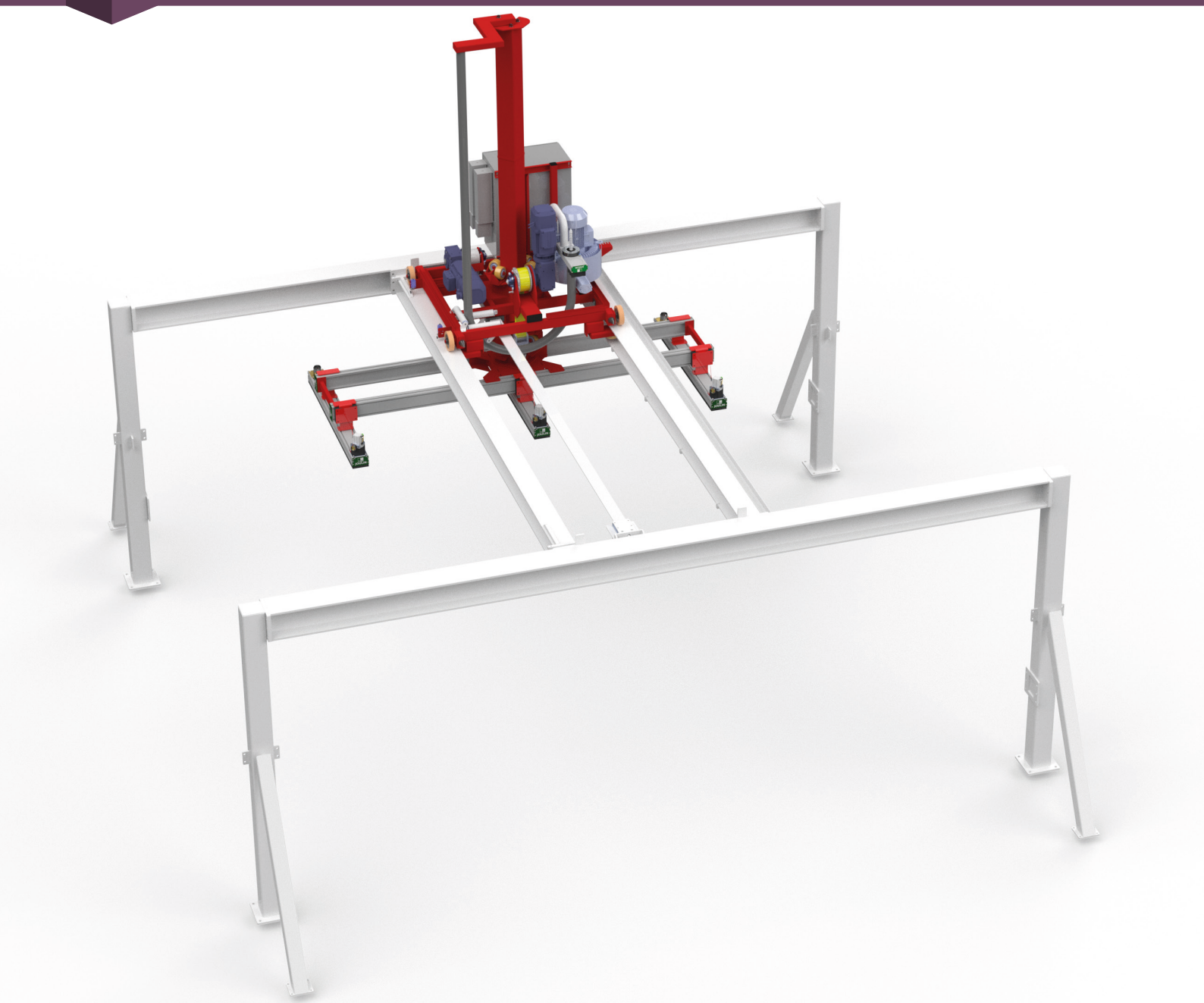


WOOD INDUSTRY

150T

Stacker - Destacker

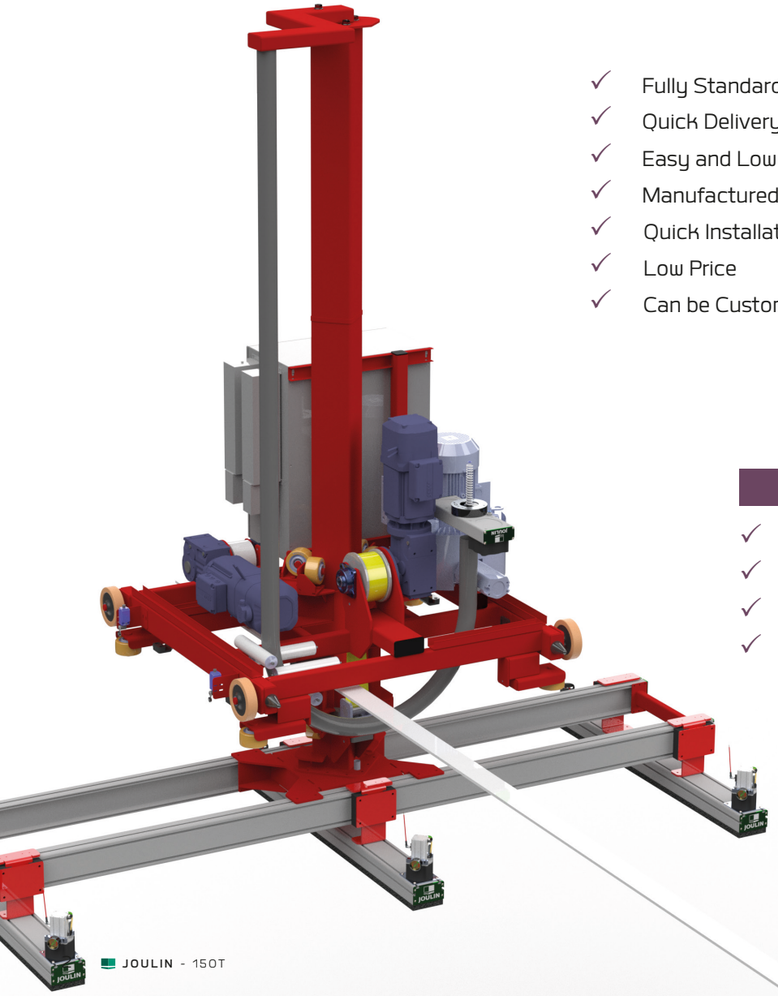
JOULIN
vacuum handling

A brand by Piab Group



The only **fully standard gantry** in the Wood Industry

60 years of Joulin experience with all the latest technologies.

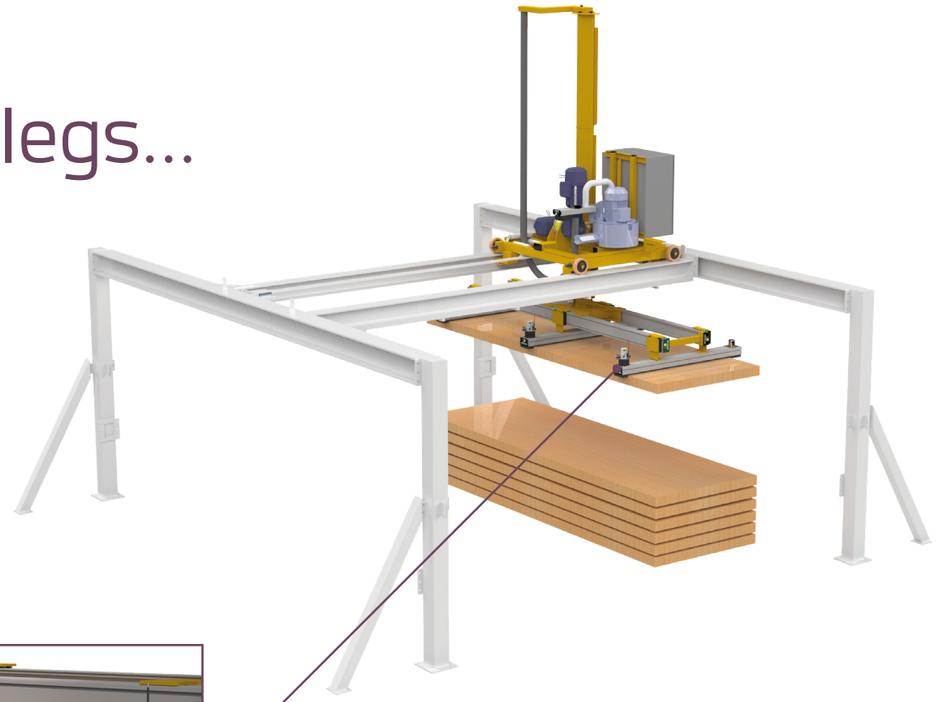


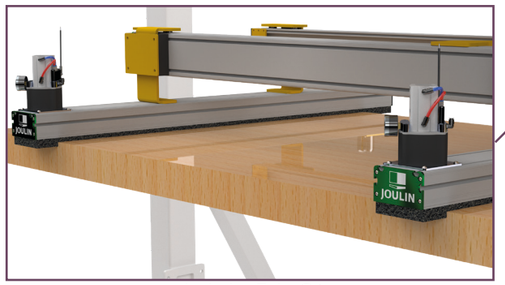
- ✓ Fully Standard
- ✓ Quick Delivery Time
- ✓ Easy and Low Maintenance
- ✓ Manufactured in US
- ✓ Quick Installation
- ✓ Low Price
- ✓ Can be Customized (longer delivery time)

Benefits

- ✓ Ideal for stacking and destacking function
- ✓ Not sensitive to saw dust
- ✓ Handles without damaging boards or layers
- ✓ All species of wood; green or dry

Wide legs...





Includes ExtruGrip
Vacuum Grippers with Check-Valves

...or **Narrow** legs



Technical Data

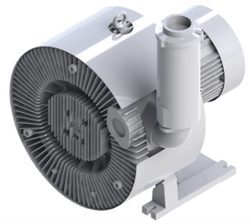
- For layers **from 1200 to 5000mm** long
- Lifting capacity **up to 150 daN**
- Up to **4 cycles per minute**
- 2 framework lenghts: **4 or 6 m**
- **2 kind of legs**: Wide or Narrow
- Includes 3x **ExtruGrip Vacuum Grippers**



150T in detail

Manufacturing facilities

With offices and manufacturing **in France and the USA,**
we are able to **design and manufucture** to **your specific needs**.



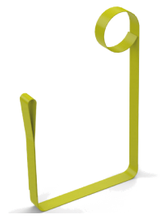
VACUUM GENERATOR

Vacuum Blower **4.3** kW



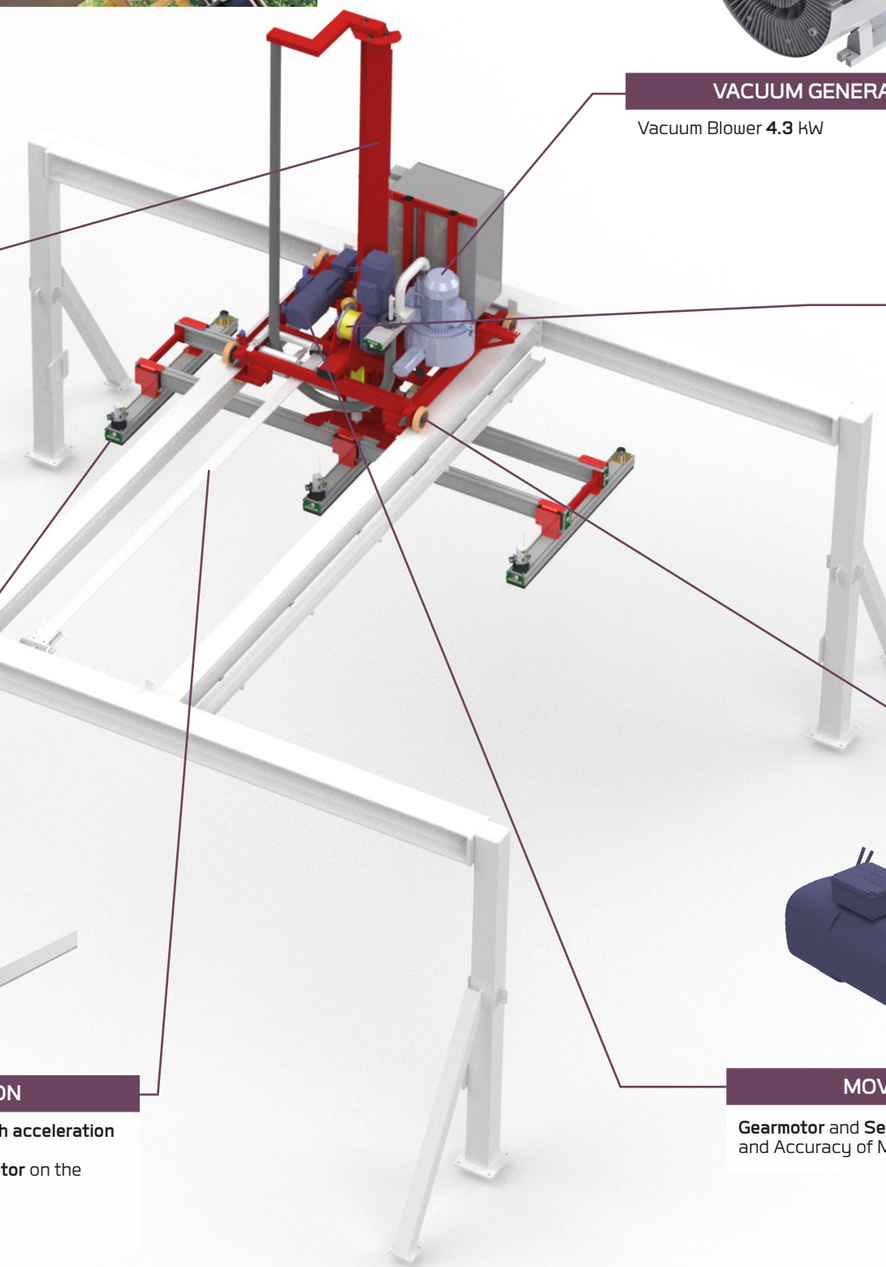
LIFTING COLUMN

One column for strength and rigidity



LIFTING BELT

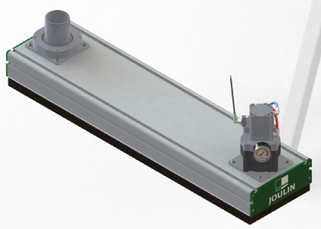
Made with **high-strength materials**
High lifting capacities





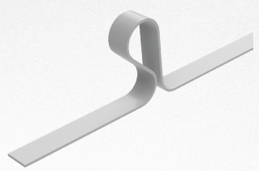
FRAMEWORK

Wide or **Narrow** Legs as needed for your equipment layout



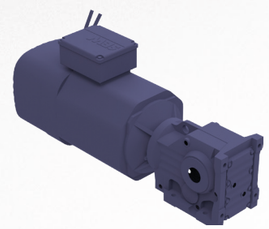
GRIPPERS

A complete range of grippers
ExtruGrip grippers, in aluminum extrusion, are the best to handle all kind of products.
No filter required in the gripper (less maintenance).



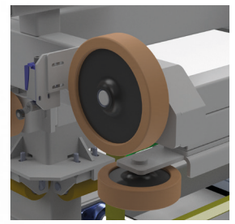
TRANSMISSION

Timing belt technology for **high acceleration and speed**
Timing belt with traversing motor on the carriage of the machine.



MOVEMENTS

Gearmotor and **Servo Controls** for Speed and Accuracy of Movements



WHEELS

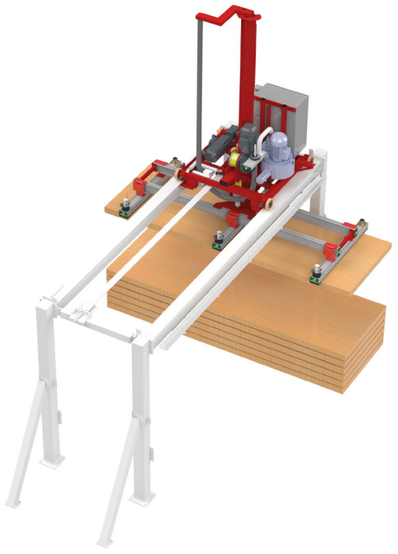
Polyurethane
High wear resistance
High dynamic load **capacity**

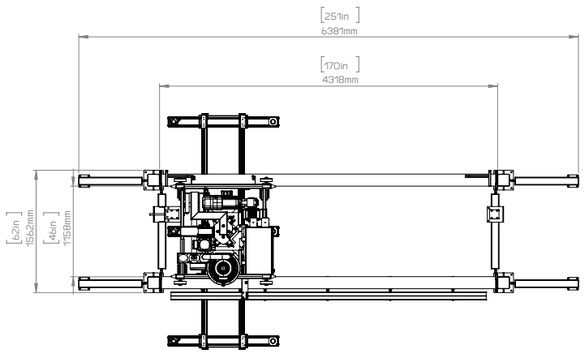
JOULIN
vacuum handling

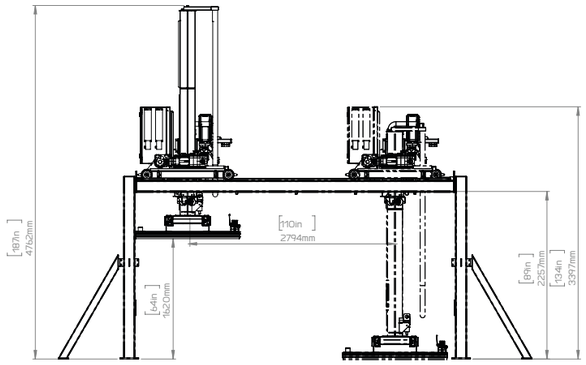


Technical **features**

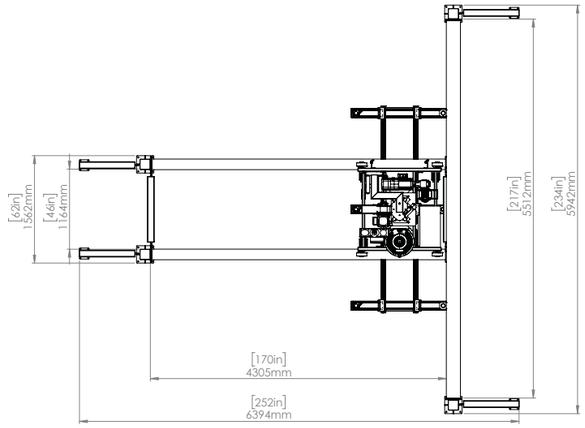
Narrow Legs

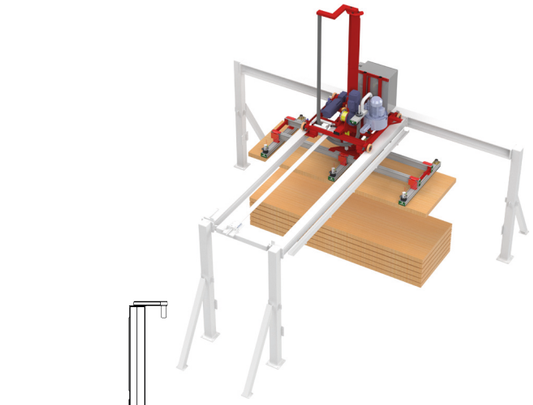


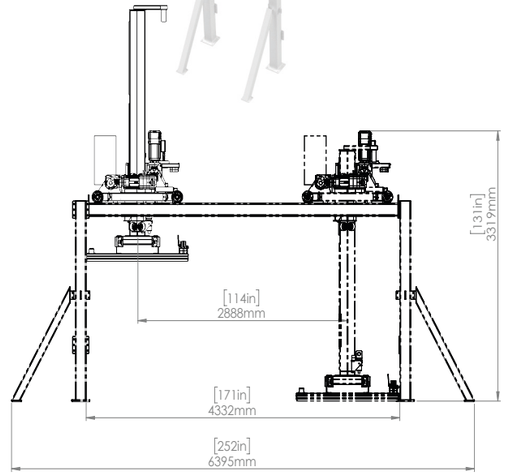




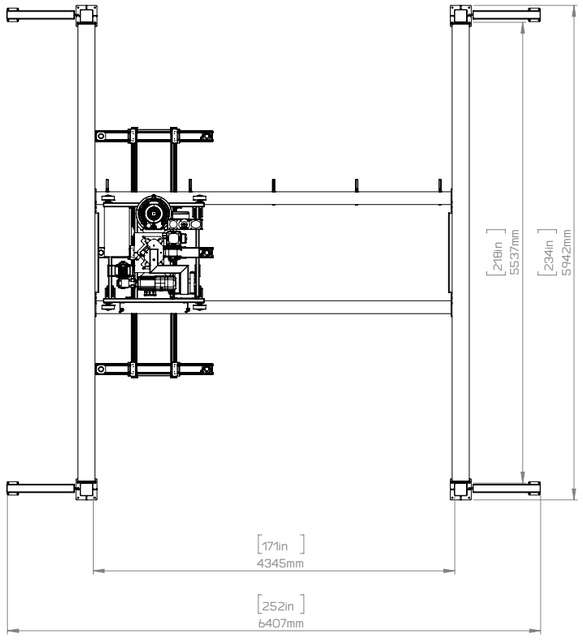
One Wide Legs

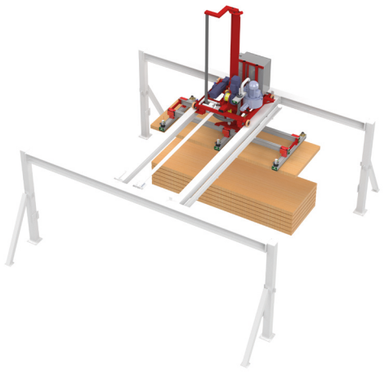


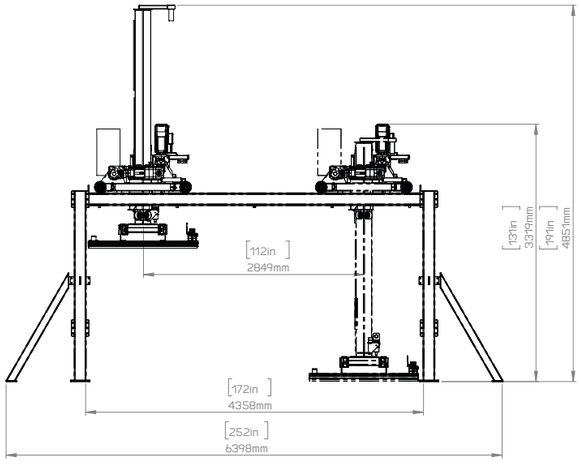




Two Wide Legs



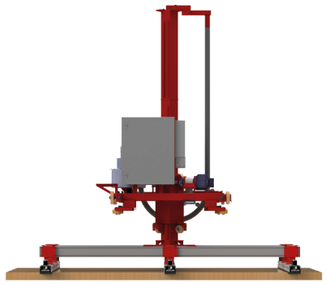




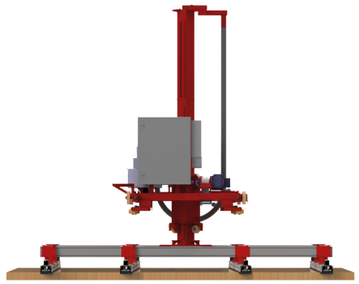
60 years of experience !

Proven lumber grippers with gantry systems that **can be used in most projects**.
60 years of **Joulin experience** with all the **latest technologies**.

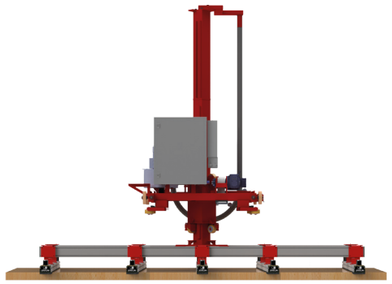
With over 60 years experience, JOULIN offers solutions to **fit your stacking and destacking needs**.
Custom solutions can be proposed after studying your requirements.



150T with 3 Grippers
Boards from 1200 to 3000 mm



150T with 4 Grippers
Boards from 1200 to 4000 mm

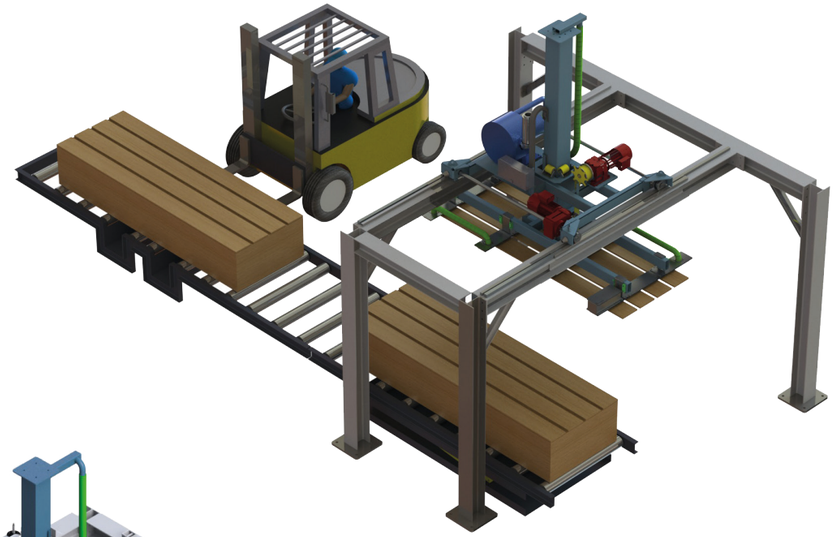


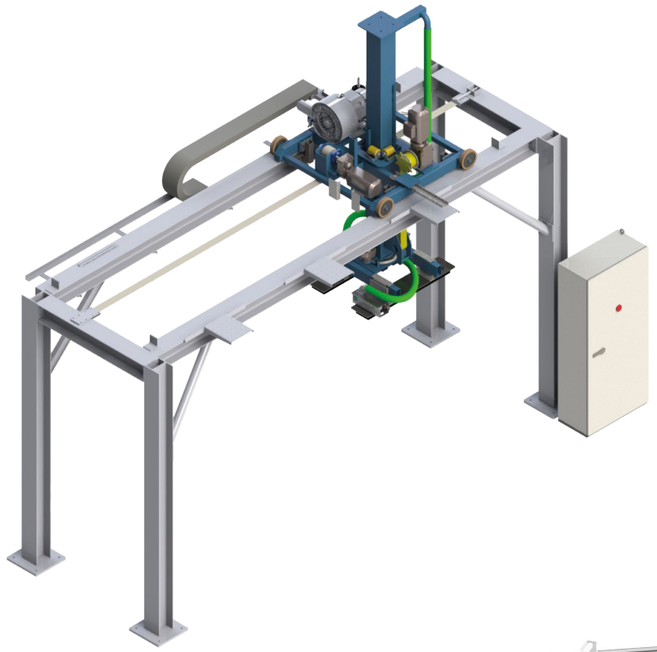
150T with 5 Grippers
Boards from 1200 to 5000 mm

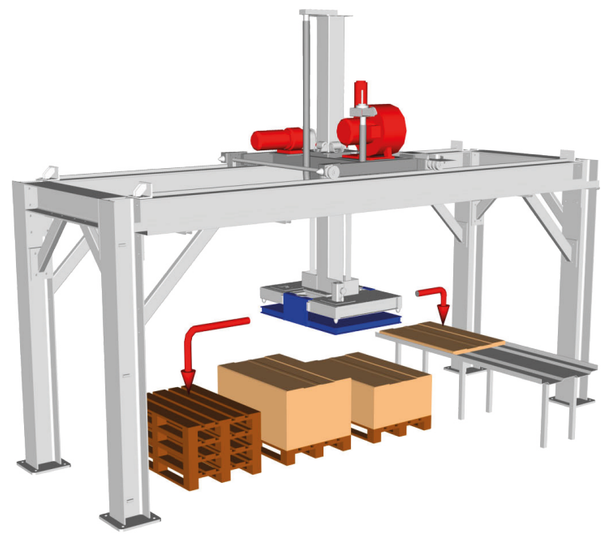
Standard Configuration			
Framework Length		4m	6m
Frame Legs	2 Narrow	✓	✓
	1 Wide / 1 Narrow	✓	✓
	2 Wide	✓	✓



Examples of installation

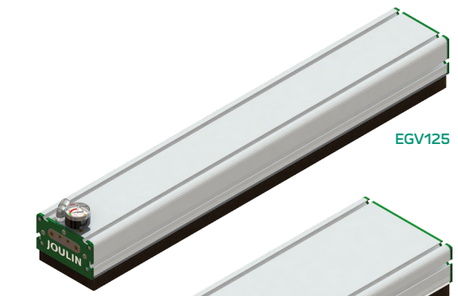


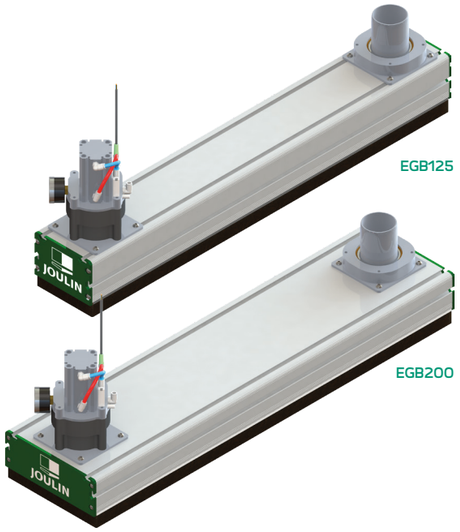






The foam **grippers**





CONCEPT

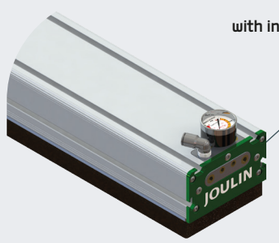
- All Joulin's technology in an aluminum profile
- External vacuum source or internal with venturi ejectors
- Different foam patterns to fit your application
- Easily adaptable on existing equipment
- 30% more efficient and faster than existing grippers

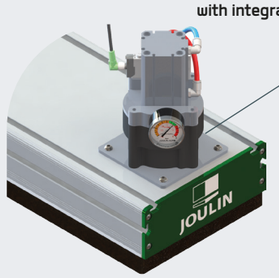
BENEFITS

- Integrated pick/release module on EGB version
- Modular for picking layers of products
- Adaptable in length up to 3000mm
- Maximum rigidity
- Possibility of partial picking or releasing of products
- Simplified adjustment of options in profile grooves

EASY TO CUSTOMIZE

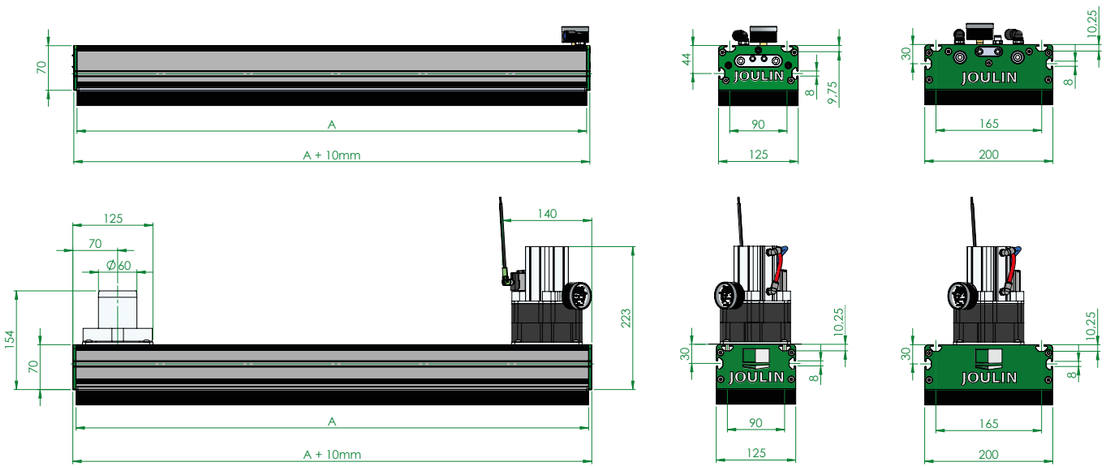
- 2 available technologies: check valves or ported holes
- Easy to install by utilizing the grooves
- Lower weight compared to Lumber Gripper (LG)





EXTRU GRIP
FOAM VACUUM GRIPPER

INTEGRATING DATA



Length of the foam A (mm)	125mm				200mm			
	EGV Weight (kg)	EGB Weight (kg)	Air Consumption (Nl/sec) - EGV		EGV Weight (kg)	EGB Weight (kg)	Air Consumption (Nl/sec) - EGV	
			4P15	4P30			8P17.5	8P35
250	2,7	-	3.5	1.75	4,4	-	5.25	3.5
400	3,9	4,3	3.5	1.75	5,9	6,1	7	3.5
600	5,4	5,8	5.25	3.5	8,1	8,3	8.75	5.25
800	6,9	7,3	7	3.5	10,4	10,6	12.25	7
1200	9,9	10,3	8.75	5.25	15,9	14,7	17.5	8.75
1400	11,4	11,8	14	7	17,7	16,9	21	10.5

LABELLING

EGV -VG -125x800 -4P30 -3STX2

Range of the gripper
- **EGV** Integrated ejectors
- **EGB** External vacuum

Technology
- **- PG** Port Gripper
- **- VG** Valve Gripper

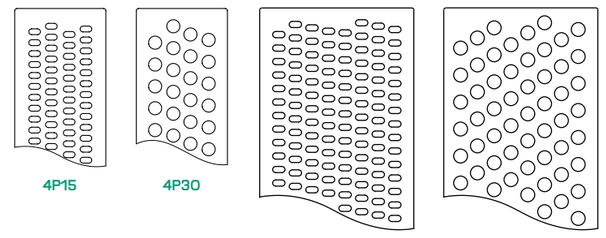
Standards dimensions
- **- 125 ou 200x250**
- **- 125 ou 200x400**
- **- 125 ou 200x600**
- **- 125 ou 200x800**
- **- 125 ou 200x1200**
- **- 125 ou 200x1400**

Custom
- **- 125 ou 200x...**

Pitch
- **- 4P15** 15mm
- **- 4P30** 30mm
- **- 8P17,5** 17.5mm
- **- 8P35** 35mm

Integrated vacuum source (EGV only)
- **- 2ST** 2 stages
- **- 3ST** 3 stages

FOAM DENSITY





More **gantry robots**

A **Standard** range

For more than 60 years JOULIN has supplied the wood industries with vacuum lifters.

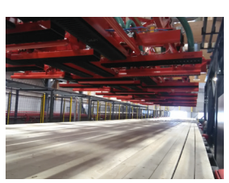
Our range of standard gantry robots equipped with check valve technology allows you **to pick all products**, partial layers, complete layers, random lengths and widths **without adjustment** using the same grippers.

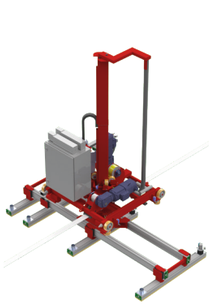
All the models can be supplied complete turnkey or with different degrees of completion **integrated in your new or existing line**.

JOULIN offers **5 levels** of equipment from the single gripper to the complete turnkey gantry robot to fit all your needs.

1- GRIPPERS
2- GRIPPERS AND FRAME
3- GANTRY ROBOT
4- GANTRY ROBOT + FRAMEWORK
5- GANTRY ROBOT WITH CONTROL BOX + FRAMEWORK

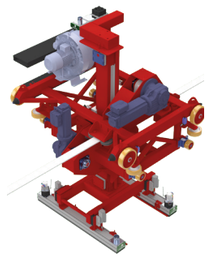


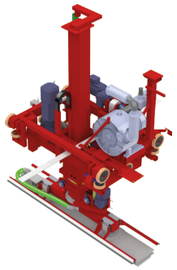
150

Maximum capacity 150 kg
Up to 4 cycles per minute



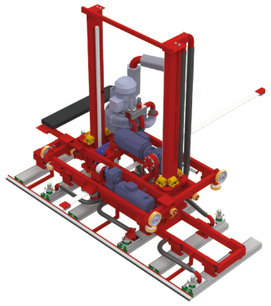
200

Maximum capacity 200 kg
Up to 10 cycles per minute



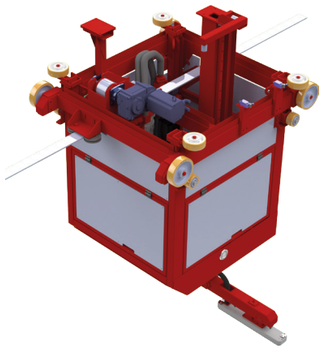
500

Maximum capacity 500 kg
Up to 7 cycles per minute



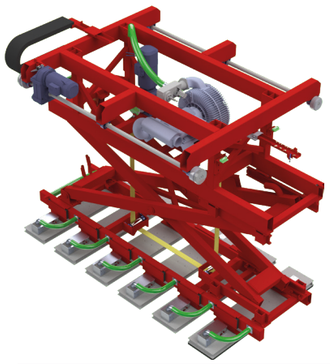
700

Maximum capacity 700 kg
Up to 6 cycles per minute



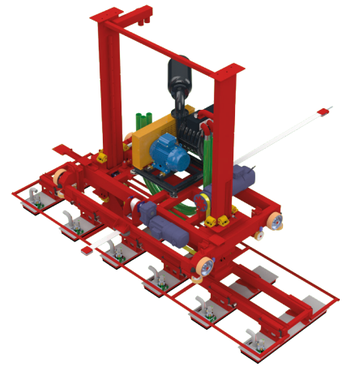
SPEED STACKER

Maximum capacity 600 kg
Up to 7 cycles per minute



1000 CS

Maximum capacity 1000 kg
Up to 4,5 cycles per minute



2000

Maximum capacity 2000 kg
Up to 4,5 cycles per minute



3000

Maximum capacity 3000 kg
Up to 3,5 cycles per minute

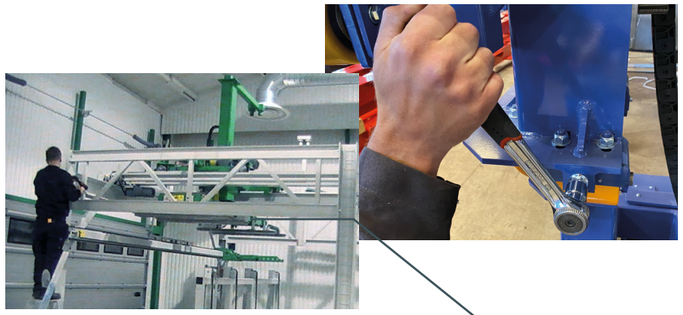


5000

Maximum capacity 5000 kg
Up to 3 cycles per minute



Why use our **solutions?**



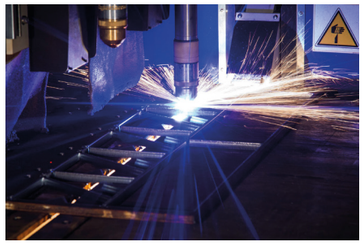
STANDARD AND CUSTOM

Economical standard range
Mutiple options
Customization



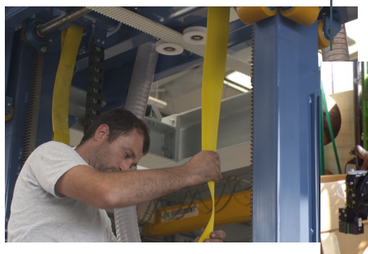
RELIABLE PARTNER

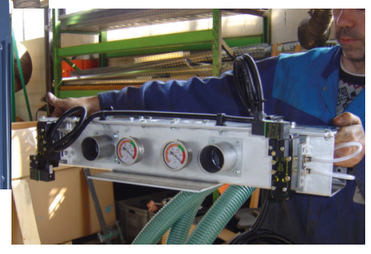
Dedicated consulting engineer
Study and production 100% in-house
Commercial reactivity and after-sales service

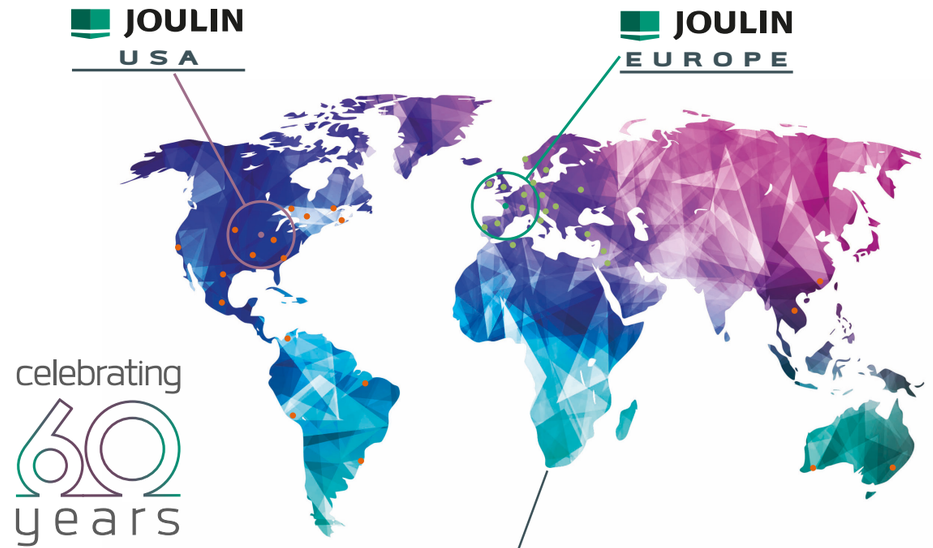


CONSULTING AND SERVICES

Family owned
Guaranteed performance
Customer satisfaction

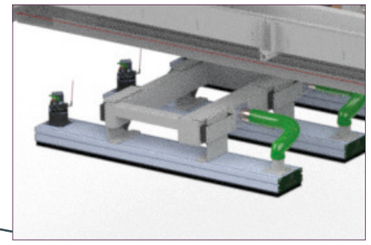






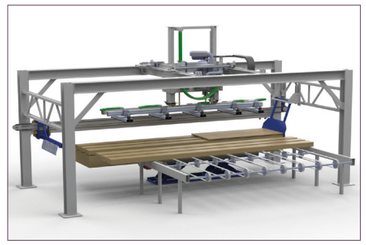
PROXIMITY

Manufacturing and design facilities in France and the USA
Supplied on 5 continents



TECHNOLOGY

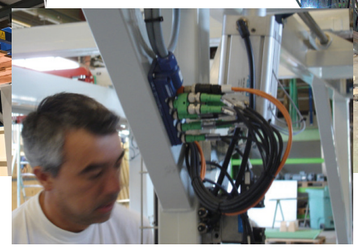
Inventor of the Foam Gripper
Patented
Grippers not sensitive to dust; **50% energy saving** compared to competitors



EXPERIENCE

More than **60 years of experience**
Worldwide references











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JOULIN
vacuum handling

A brand by Piab Group

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