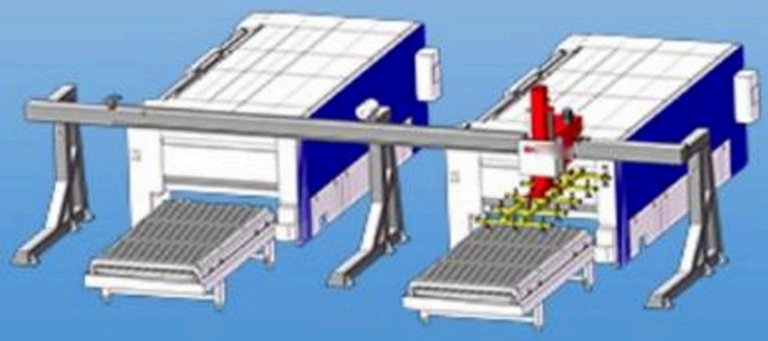
SOFTTOOL ENGINEERING



2026 CATALOG

Sheet loaders and manipulators

Safe sheet and tube handling: vacuum lifters, jib manipulators and automatic loading and unloading cells for lasers.

softooling.com info@softooling.com

SOFT TOOL ENGINEERING

Less effort, fewer accidents, more cutting hours

Loading sheet by hand exposes the operator to cuts and back injuries, scratches the sheet and leaves the machine idle. A loader moves the sheet safely and keeps the machine cutting.

Operator safety

No handling sharp-edged sheet by hand and no heavy lifting.

Scratch-free sheet

Adjustable suction cups that compensate for sheet deformation.

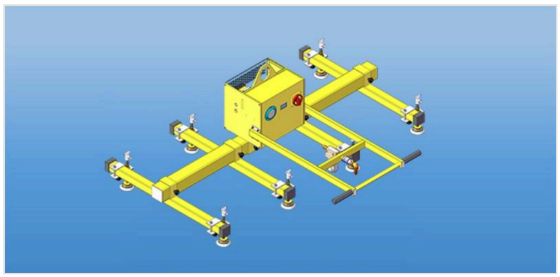
From semi-automatic to automatic

From a vacuum lifter to unattended loading and unloading cells.

> **For a faster quote**
>
> Send us your machine's model and format, the maximum sheet weight and a photo or layout of the available space to **info@softooling.com**.

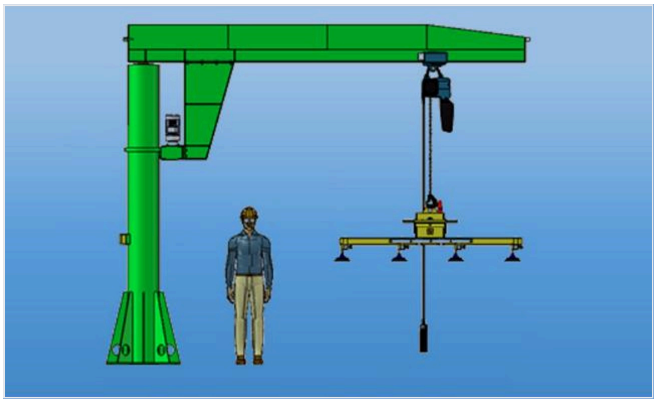
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01 Semi-automatic manipulators

Operator-assisted loaders to lift sheet onto the laser or punch press table without effort or scratches.



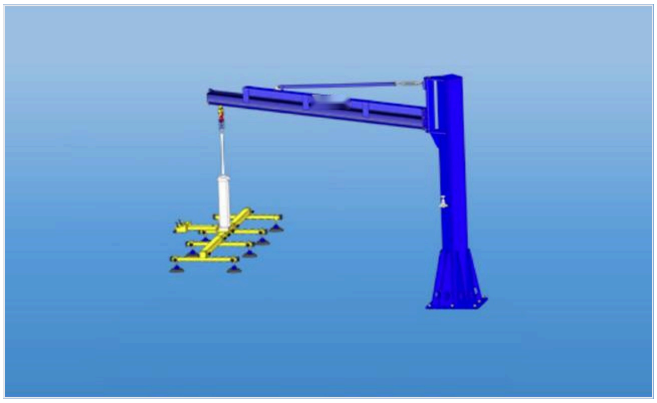
MODEL STE-CL-E

Electric jib loader

Column-mounted jib with electric rotation, travel and lift of the main arm. Stable structure, high load capacity and simple operation.

- Electric rotation, travel and lift
- High load capacity and stable structure
- Optional vacuum lifter

Machine formats	3015, 4015, 4020, 6015, 6020, 6025
Maximum load	1000 kg
Height	3800 mm
Arm length	4600 mm
Rotation angle	330°
Optional	Vacuum lifter for loading



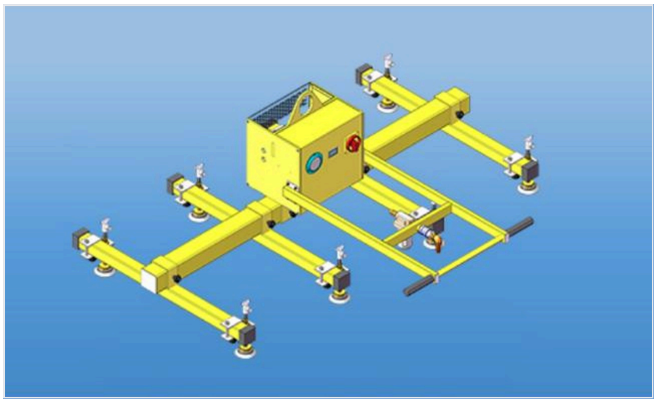
MODEL STE-CL-N

Pneumatic jib manipulator

Light and easy to install. The operator moves the sheet with very little force and stops it in any position, with short transfer cycles.

- Low-force motion and stop in any position
- Air-loss protection
- Overload protection device

Machine formats	3015, 4015, 4020
Load	300 o 500 kg
Minimum sheet	600 × 600 mm
Arm length	3.6 m
Height	3.6 m
Rotation angle	220°



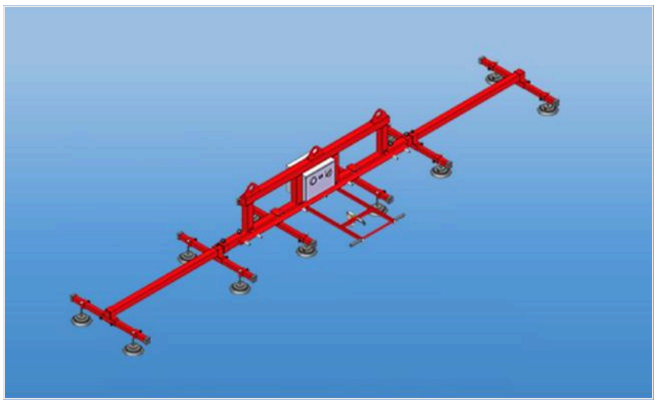
MODEL STE-VL

Vacuum sheet lifter

Suction cup spreader beam with an oil-free vacuum pump. Adjustable cup mounts compensate for sheet deformation to handle it without scratching.

- Oil-free vacuum pump of German or American origin
- Suction cups adjustable in four directions
- Gentle handling, without scratching the sheet

Machine formats	3015, 4015, 4020
Maximum load	800 kg
Voltage	380 V
Beam length	2200 o 3600 mm
Suction cups	8
Suction cup adjustment	Four directions



MODEL STE-VL6

Vacuum lifter for 6 m sheet

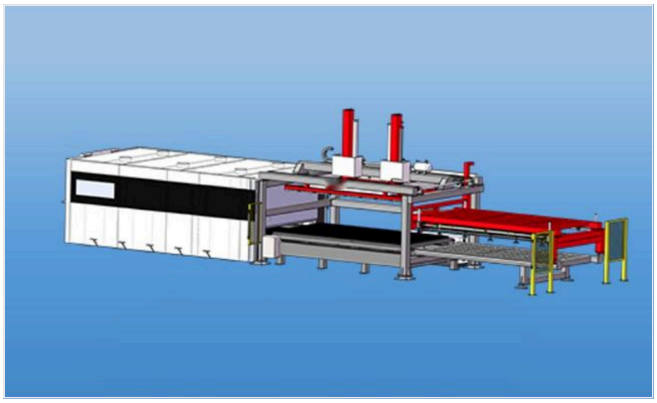
Adjustable spreader beam for large-format sheet, with an oil-free German vacuum pump and repositionable suction cups.

- Beam adjustable from 3.6 to 5.2 m
- Up to 20 suction cups
- For 6-meter formats

Model	6015	6020	6025
Maximum load	800 kg	1200 kg	2000 kg
Voltage	380 V		
Beam length	3600 to 5200 mm		
Suction cups	12	12	20
Suction cup adjustment	Four directions		

02 Automatic loading and unloading

Cells that load sheet and unload cut parts from the laser without an operator, with a two-level exchange cart.



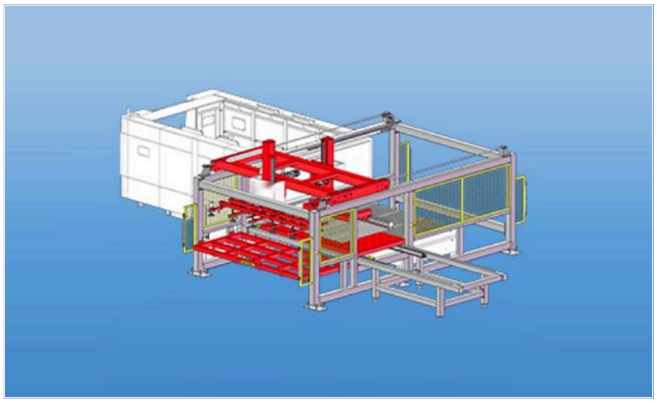
MODEL STE-AL-I

Integrated automatic loading and unloading

Composite truss manipulator with a double-level electric exchange cart, CNC control and vacuum control. Together with the laser it forms an automatic sheet cell.

- Composite loading and unloading manipulator
- Double-level electric exchange cart
- CNC and vacuum control

Machine formats	3015, 4015, 4020, 4025
Effective load	100 to 500 kg
Cart load	3 t
Air consumption	1.5 m³/min
Air pressure	0.6 to 0.7 MPa



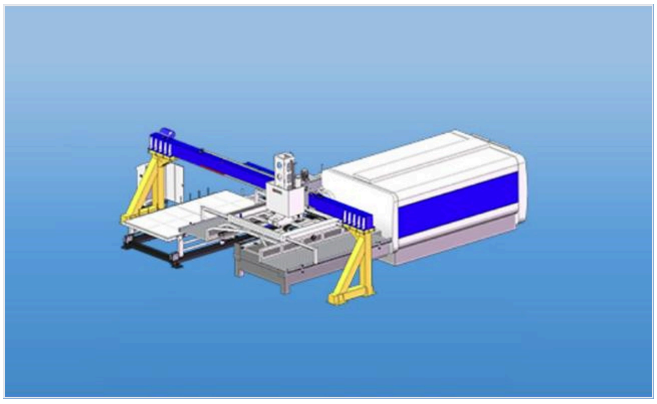
MODEL STE-AL-C

Compact loading and unloading with fork

Truss gantry on both sides, loading and unloading manipulator with single fork, double-level exchange cart and CNC control.

- Compact design for plants with limited space
- Single-fork unloading
- CNC and vacuum control

Machine formats	3015, 4015, 4020, 4025
Maximum load	100 to 500 kg
Cart load	3 t
Air consumption	1.5 m³/min
Air pressure	0.6 to 0.7 MPa



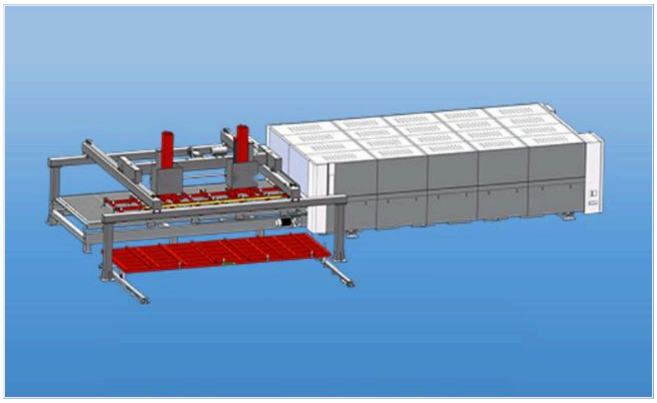
MODEL STE-AL-G

Loading and unloading with one-side gantry

One-side truss gantry with composite manipulator, two-level finished-product cart and PLC control.

- Single-side gantry
- Two-level finished-product cart
- PLC control

Machine formats	3015, 4015, 4020, 4025
Maximum load	100 to 500 kg
Cart load	3 t
Air consumption	1.5 m³/min
Air pressure	0.6 to 0.7 MPa



MODEL STE-AL-X

Composite automatic loading and unloading

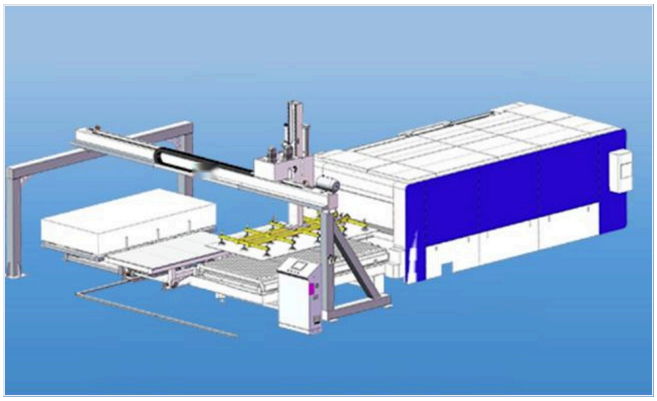
Composite manipulator for formats up to 6 meters and heavy sheet, with double-level electric cart and CNC and vacuum control.

- For formats up to 6020
- Sheet up to 3000 kg
- 3- or 5-ton cart

Machine formats	3015, 4015, 4020, 4025, 6015, 6020
Maximum load	300 to 3000 kg
Cart load	3 o 5 t
Air consumption	1.5 m³/min
Air pressure	0.6 to 0.7 MPa

03 Loading gantries

Gantries that automatically feed sheet to one or two machines from a single station.



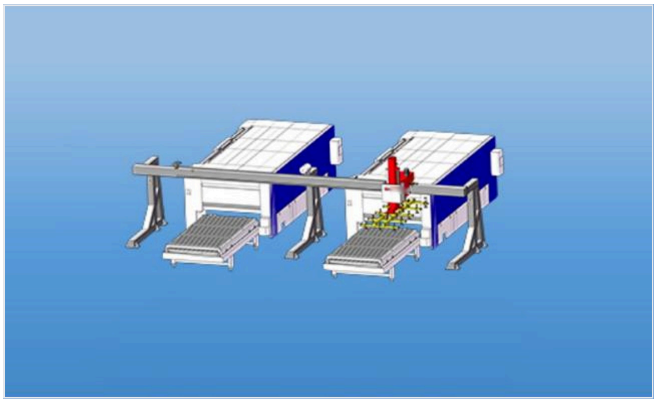
MODEL STE-GP

One-side automatic loading gantry

Gantry that picks the sheet from the stack with suction cups and places it on the laser table automatically.

- Automatic loading from the stack
- For sheet laser cutters

Configuration	According to your machine format; we quote with your layout



MODEL STE-GP2

Loading gantry for two machines

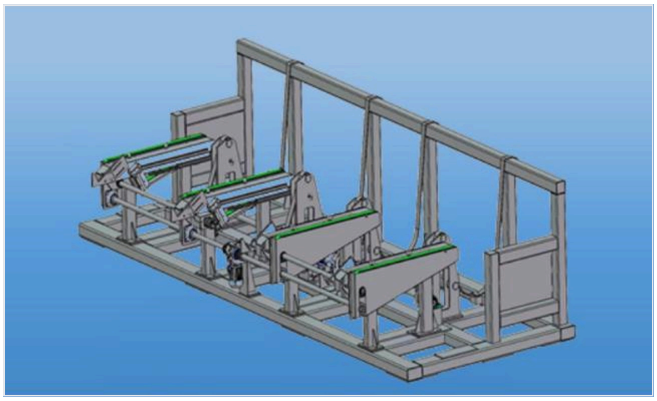
A single gantry automatically feeds two laser cutters.

- One gantry for two machines
- Lower investment per machine

Configuration	According to your machines' format; we quote with your layout

04 Tube loading

Automatic tube feeding for tube laser cutters.



MODEL STE-TL

Automatic tube loader

Stores tube and feeds it one by one to the tube laser cutter with PLC control. Ideal for small-batch production with many part numbers.

- Centralized tube storage
- Automatic tube-by-tube feeding
- PLC control of the entire process

Model	6 m	9 m	12 m
Round tube	Ø14 a Ø220 mm		
Square tube	15 × 15 to 160 × 160 mm		
Tube length	3000 to 6000 mm	4000 to 9000 mm	6000 to 12000 mm
Bundle capacity	3 t		
Rack width	900 mm		
Bundle diameter	≤ 900 mm		
Weight per tube	≤ 200 kg		
Total power	4.5 kW		

SOFTTOOL ENGINEERING

Which machine do you want to feed?

Each loader is configured to your machine format and plant space. Send us your layout and we'll propose the solution.

EMAIL

info@softooling.com

WEBSITE

softooling.com

Images for reference only; specifications may change without notice.