THE DALAL'S GROUP

ENGINEERING • INNOVATION • EXCELLENCE

# PRODUCT CATALOG

Vacuum Lifting & Material Handling Equipment

Glass lifters • Heavy-load lifters • Rigid-arm manipulators • Jib & bridge cranes

**THEDALALSGROUP.COM**

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# About The Dalal’s Group

Engineering • Innovation • Excellence

The Dalal’s Group sources industrial equipment and custom manufacturing solutions from trusted manufacturing partners in Canada, India and China. This catalog presents our range of vacuum lifting and material handling equipment: glass and heavy-load vacuum lifters, rigid-arm manipulators, and the jib and bridge systems that carry them.

## Why vacuum lifting

- **Less strain, fewer injuries.** The operator guides the load; the lifter carries the weight.
- **Faster handling.** Single-hand control for quicker, safer load placement.
- **Gentle on the load.** Pads grip glass, stone, metal plate and panels without clamping or marking.
- **Made for your product.** Pads, controllers, lifting heights and suspension are matched to the load.

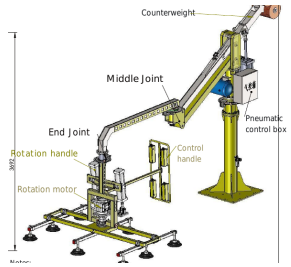
## What we do

- **Application matching.** Tell us the load, surface, weight and lift height; we recommend the model, pad and pump.
- **Custom engineering.** Special pads, lifting heights, arm lengths and colours can be built to your requirement.
- **Complete systems.** Lifter, vacuum source and jib or bridge suspension supplied to suit your site.










## Industries served

Glass and glazing • Window and curtain-wall manufacturing • Stone and construction materials • Metal fabrication • Woodworking and panels • Warehousing and logistics

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# Contents

Our product range

| | |
|---|---|
| Suspension Systems: Jib & Bridge | 4 |
| Rigid-Arm Vacuum Manipulator (300 kg) | 6 |
| Vacuum Glass & Heavy-Load Lifters | 8 |
| Selection Guide | 10 |

Specifications are nominal and may vary by model and configuration. Capacities depend on the load, its surface and the pad selection. Final specifications and pricing are confirmed at quotation.

# Suspension Systems

Jib cranes and bridge suspension for vacuum lifters

## Jib crane



- Maximum load: aluminium rail 150 kg, steel rail 500 kg; maximum rail length 6 m
- Rotation up to 270°; moved manually; column and net height set by load and lift height









| Model | Arm length | Column height | Net height, arm to floor | Rotation | Max load | Arm material |
|---|---|---|---|---|---|---|
| CMJC-125kg | 2–6 m | 3500 / 4800 mm | 3000 / 4200 mm | 180° / 270° | 125 kg | Aluminium alloy |
| CMJC-250kg | 2–6 m | 3500 / 4800 mm | 3000 / 4200 mm | 180° / 270° | 250 kg | Carbon steel |

## Bridge suspension



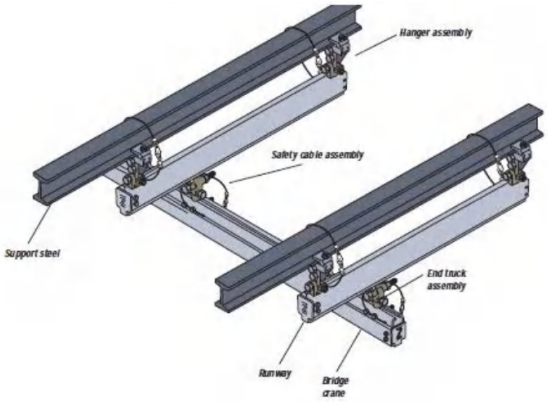
- Maximum load 250 kg; maximum span 6 m wide; maximum total height 4500 mm; moved manually

| Model | Loading | Self weight | Material | Moment of inertia |
|---|---|---|---|---|
| **HLB** | 200 kg | 6.8 kg/m | Aluminium alloy | 579.7 cm■ |

## Components



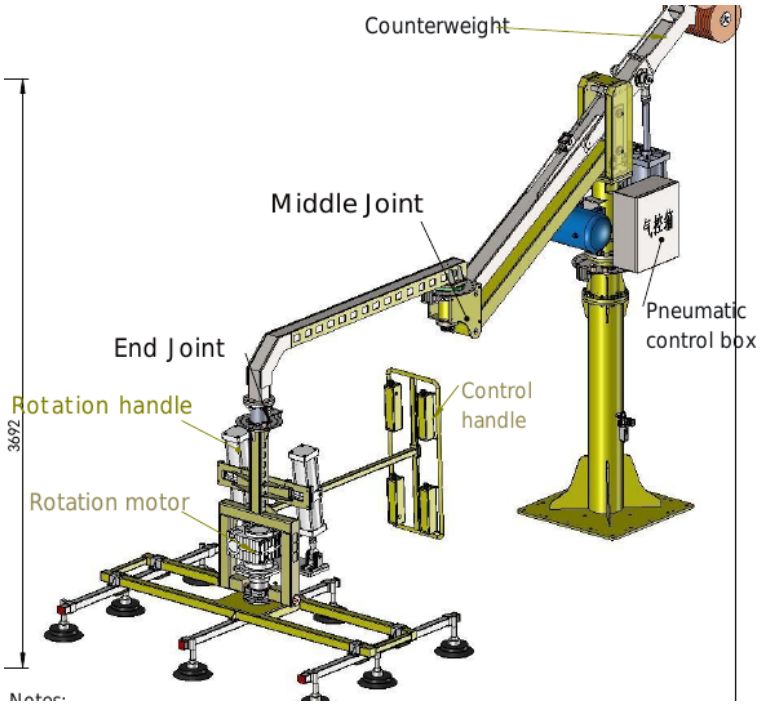
**Trolley and end-truck components**




**Runway, bridge crane and hanger assembly**

# Rigid-Arm Vacuum Manipulator

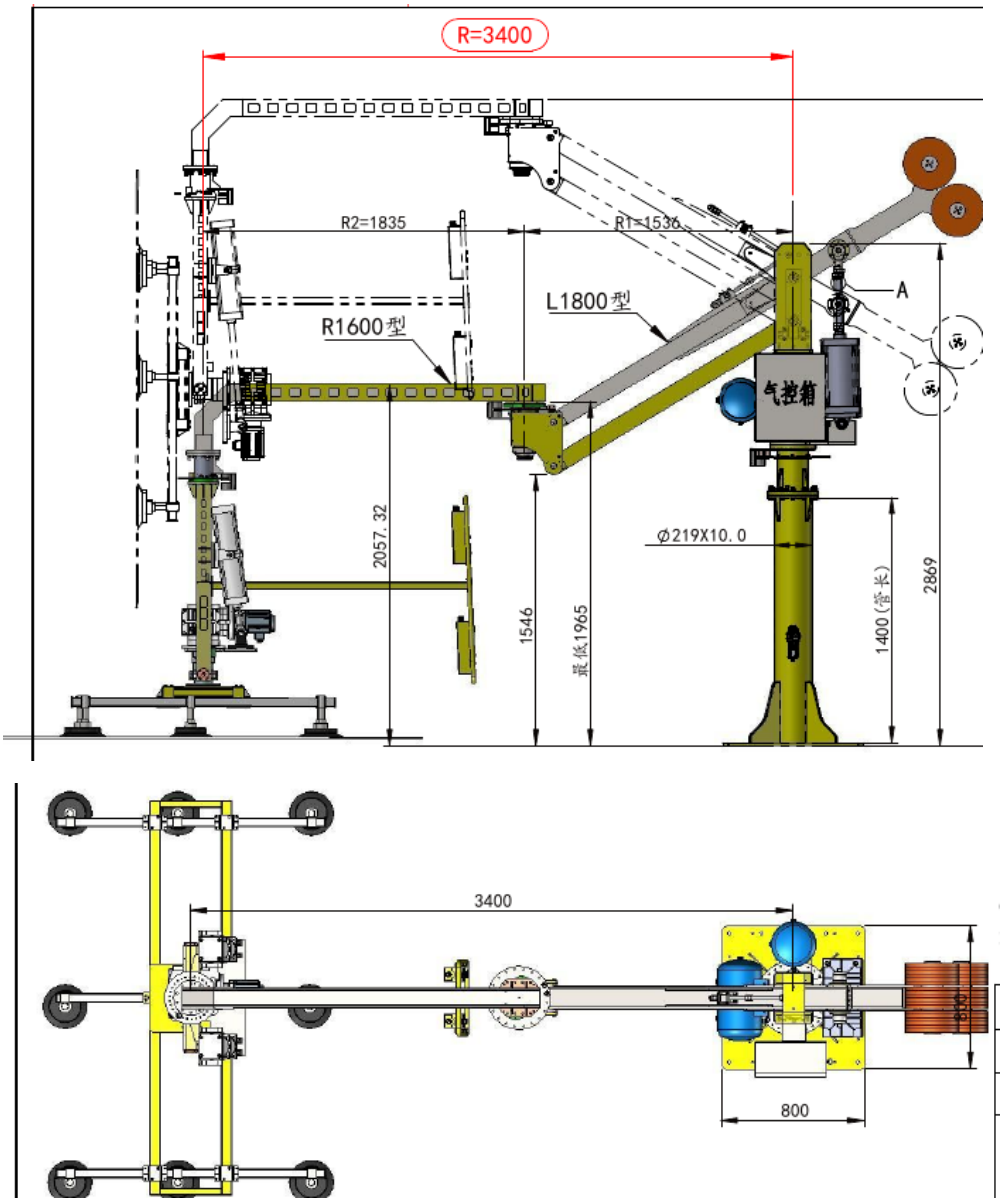
300 kg fixed-column arm with pneumatic control and a multi-pad lifting frame




## Key specifications

- Maximum load 300 kg; maximum lifting height 1600 mm; maximum working radius 3000 mm
- Fixed column (Ø219×10 mm tube), rigid carbon-steel arm with counterweight, middle joint and end joint
- Rotation handle and rotation motor on the lifting frame; pneumatic control box and control handle
- Compressed air 0.6 MPa, one Ø12 mm inlet hose (customer supplied); servo power AC 220 V
- Baked finish in RAL 1037 medium yellow; arm radius options R1600 / L1800

## General arrangement




Drawing shown for the standard 300 kg configuration; dimensions are confirmed on the final approved drawing.

# Vacuum Glass & Heavy-Load Lifters

Manual, pneumatic, column, trolley and stacker-mounted lifters for glass, stone and metal

## Glass lifters, manual and pneumatic

| | | |
|---|---|---|
|  SSURY |  SSURYS |  SSUPYE |
|  R200 |  RB200 / RB300 / RB400 |  RYF300 / RYF400 |
|  RYGDDC |  RYGDDCE |  RYGDDC (pneumatic) |

## Trolley, stacker-mounted and arm-type lifters



RYNO400



RYGCSY



RYGCTD



RYGCDD



RYGCPD



RYGCPDF



RYGPD



RYGHPD

## Specification summary

| Model | Description | Operating capacity | Suckers |
|---|---|---|---|
| **SSURY** | Vacuum glass lifter sucker | 400 kg | 4 |
| **SSURYS** | Vacuum glass lifter sucker | 600 / 800 / 1000 / 1200 kg | 6 / 8 / 10 |
| **SSUPYE** | Vacuum glass lifter sucker | 400 / 600 / 800 / 1000 / 1200 kg | 4 / 6 / 8 / 10 |
| **R200** | Vacuum glass lifter | 200 kg | 4 |
| RB200 / RB300 / RB400 | Vacuum glass lifter | 200 / 300 / 400 kg | 2 / 4 / 6 |
| **RYF300 / RYF400** | Vacuum glass lifter | 300 / 400 kg | 4 / 6 |
| **RYGDDC** | Column pneumatic sucker | 250 / 350 / 450 kg | 2 / 4 / 6 |
| **RYGDDCE** | Column-shape vacuum lifter sucker | 250 / 350 / 450 kg | 2 / 4 / 6 |
| RYGDDC (pneumatic) | Pneumatic glass vacuum lifter | 250 / 350 / 450 kg | 2 / 4 / 6 |
| **RYNO400** | Vacuum glass lifter | 400 kg | 5 |
| **RYGCSY** | Vacuum glass lifter | 500 / 1000 / 1500 kg | 4 / 6 / 8 / 12 |
| **RYGCTD** | Vacuum glass lifter | 500 / 1000 / 1500 kg | 4 / 6 / 8 / 12 |
| **RYGCDD** | Vacuum glass lifter | 500 / 1000 / 1500 kg | 4 / 6 / 8 / 12 |
| **RYGCPD** | Vacuum glass lifter (3.5 m lift, customisable) | 300 / 400 / 500 kg | – |
| **RYGCPDF** | Vacuum glass lifter (3.5 m lift, customisable) | 300 / 400 / 500 kg | – |
| **RYGPD** | Vacuum lifter / sheet metal lifting tool (max height 5 m) | 200–500 kg | – |
| **RYGHPD** | Rocker-arm vacuum lifter (max height 5 m) | 200–500 kg | – |

# Selection Guide

Match the load to the right lifter

| Load | Weight | Recommended lifter | Typical mounting |
|---|---|---|---|
| Heavy, awkward loads | up to 300 kg | Rigid-arm vacuum manipulator | Fixed column |
| Glass, stone and metal plate | 200 to 1500 kg | Glass vacuum lifters (RYGCSY, RYGCTD, RYGCDD and others) | Trolley, stacker or crane mounted |
| Sheet metal and plate | 200 to 500 kg | RYGPD / RYGHPD arm-type lifters | Fixed arm |
| Light glass and panels | 200 to 450 kg | R200, RB series, RYGDDC column lifters | Manual trolley or column |

Tell us the load, its surface and weight, the lift height and the working area, and we will recommend the model, pad and suspension.

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Request a quotation • Custom pads, controllers and lifting heights available