Robots & Overhang Beams

Precise & Effortless Installation At Height

HOMER Installation Robot

The latest device in lifting technology, the HOMER is a high operation mounted EMU robot for the effortless installation of glass, curtain walling and non-porous building envelope materials at height.

Retaining all the benefits of our special Ergonomic Manipulator Unit (EMU), the HOMER is designed to attach to a telehandler giving high access reach when craneage or scaffolding is too impractical. The unique patented robotic head rotates 360° continuously in either direction, pivots left and right 80° and tilts 80° up and down. Controlled via radio remote control, operators can manoeuvre a load into the desired position whilst working from a cherry picker.

Four versions of the HOMER are available:

1. HOMER + MRTA6 Vacuum lifter which has a multi-configurable frame to suit different shaped loads
2. HOMER Curved for concave or convex glass
3. HOMER Flexi with a bespoke frame fitted to match your requirements
4. HOMER 750 with an upgraded head and 750kg of lifting power

Reference Codes
HOMER + MRTA6 - GRH15
HOMER Curved - GRH17
HOMER Flexi - GRH18
HOMER 750 - GRH19

Technical Specifications

<table>
<thead>
<tr>
<th>Safe working load</th>
<th>jibs 1 &amp; 2: 500kg</th>
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</thead>
<tbody>
<tr>
<td>Suitable for lifting</td>
<td>Gastight / non-porous smooth glass, plastic boards, ceramic plates, sheet metals, coated boards</td>
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<tr>
<td>Weight</td>
<td>approx: 980kg</td>
</tr>
<tr>
<td>Width</td>
<td>folded: 980mm (depending on chosen vacuum frame)</td>
</tr>
<tr>
<td>Length</td>
<td>folded: 2200mm (depending on chosen vacuum frame)</td>
</tr>
<tr>
<td>Height</td>
<td>folded: 1300mm (depending on chosen vacuum frame)</td>
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<tr>
<td>Maximum fork thickness</td>
<td>thickness: 130mm (w) x 50mm (d)</td>
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<tr>
<td>Number of suction cups</td>
<td>cups: 4 - 14 (depending on chosen lifting device)</td>
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<tr>
<td>Powered head tilt</td>
<td>powered head tilt: 80° up &amp; down</td>
</tr>
<tr>
<td>Powered head sideshift</td>
<td>movement: 100mm</td>
</tr>
<tr>
<td>Powered pad frame rotation</td>
<td>rotation: 360° continuous</td>
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<tr>
<td>Powered head slew</td>
<td>left &amp; right: 80°</td>
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<tr>
<td>Vacuum system</td>
<td>dual circuit: 1 pump, 2 vacuum reserve tanks</td>
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<tr>
<td>Power requirements</td>
<td>HOMER hydraulic system: On-board 24v battery pack powers both arm and robotic head operation. Rechargeable by external 110/240v charger</td>
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<tr>
<td></td>
<td>HOMER vacuum system: 12v DC battery rechargeable by 110/240v 50/60Hz single phase supply</td>
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<tr>
<td>Optional accessories</td>
<td>optional: Vacuum system with cable, infrared or radio remote control. Custom build frames and curved frame options are also available. Also available HOMER 750kg (GRH19).</td>
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</tbody>
</table>
Key Features

- Capacity: 500kg
- Dual circuit vacuum system with vacuum gauge, reserve tank and non-return valve for each circuit
- Attaches to fork lift or telehandler
- 500mm extension arm
- Unique, patented head allows a unit to be manipulated with ease through:
  - 80° left and right of centre
  - 80° up and down from centre
  - 360° continuous rotation
  - 100mm parallel movement either side of head centre axis
- On-board 24v battery pack powers the hydraulic arm and head operation
- Radio remote control hydraulic functions
- Audio-visual low vacuum warning
- On-board hydraulic lever controls
- Securing chains supplied
- Weight: 980kg

Technical Data (mm)

- Extension: 500mm
- Boom in & out: 1300mm
- Rear view: 1680mm
- Side movement of head 80° left/right: 172mm
- 360° continuous rotation.
- Number and centre distances of pads variable

N.B: Dimensions may differ depending on specification and model.