

VACUUM LIFTERS



HANDLING CONCEPTS
/// ENGINEERED HANDLING SOLUTIONS

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WELCOME

Handling Concepts is a leading provider of materials and industrial handling equipment. Founded in 1994, you can rely on over 25 years of experience, providing manual handling solutions to businesses across the United Kingdom and the globe. You will benefit from pragmatic advice and innovative solutions from a team that is passionate about improving your productivity and efficiency safely.

Your expectations will be surpassed by collaborating with a team of expert engineers. You will receive help in maintaining your handling equipment, allowing you to focus on the growth of your business. From industrial manipulators to vacuum lifters, you will benefit from an array of handling solutions tailored to suit your needs.

Industries across the United Kingdom and the globe need safe and efficient ways to handle products and bulk loads. They face new challenges to protect their workers and products equally. Vacuum lifters provide a sweet spot between the two and have become the handling equipment of choice for modern businesses.

You can depend on outstanding, professional customer service from a team who will understand your requirements and recommend a solution that fits your needs and constraints.



VACUUM LIFTERS

Vacuum lifters can lift materials and components that have a flat or smooth surface. The clue is in the name: vacuum lifters used a vacuum to handle various load types.

They grip, support, lift and lower a load with single operator control. This operation is fast and smooth, making them ideal for repetitive handling tasks.

- ✓ Vacuum Grippers
- ✓ Vacuum Lifting Beams
- ✓ Vacuum Tube Lifters

The suction feet allow components to be lifted without damage to the surface or edges, a problem often caused by manual lifts or grippers.

This makes them ideal for manipulating product in white good and panel, boards, and sheets industries.

Vacuum lifters are low maintenance and regular servicing further reduces downtime and disruption, which improves production line efficiency and provides a cost-effective handling solution.



WHY ARE VACUUM LIFTERS USED?



Vacuum lifters can help increase productivity while offering an ergonomic solution to your material handling needs. From the below, do any of these concern you in your current workplace?

- Products are heavier than 10kg
- Product locations are not easily accessible by workers
- Workers are performing repetitive tasks every day
- Efficiency is not as good as it could be
- Products need to be moved regularly from one location to another
- Tasks are becoming more difficult for workers
- There is an increase in backaches, sore joints and other injuries

If you have any of the above issues in your working environment, you will benefit from investing in a materials handling solution. You will have access to expert engineers that are passionate about helping you improve the health and safety of your workers.

You can depend on outstanding, professional customer service from a team who will understand your requirements and recommend a solution that fits your needs and constraints.

[CONTACT US](#)



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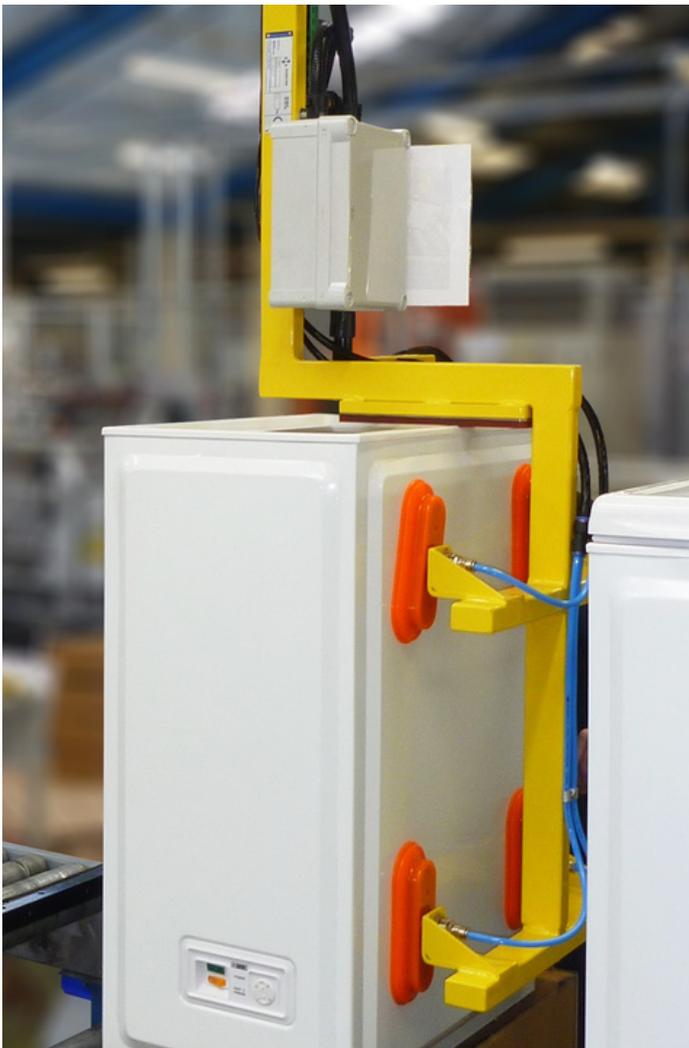


VACUUM GRIPPERS

Vacuum grippers use a vacuum to grip and lift various load types. They are a simple system comprising a vacuum pump connected by a hose to a suction head and suction foot (known as suction cups or vacuum pads). These are the contacts that hold the load.

Why Are They Used?

Vacuum grippers provide fast and smooth operation, making them ideal for repetitive handling tasks. They are an ergonomic handling solution and increase workplace productivity.



THE SOLUTION

This vacuum gripper solution can safely lift loads up to 40kg. It was brought in to lift a family of white good cabinets of varying sizes. The task was to lift the cabinets off a conveyer and place them onto another, inside an awaiting cardboard tray.

The vacuum grippers have two fixed suction feet, and another two mounted onto a rail with a centre pivot so that they will always encounter the product no matter what size it is.

Material handling equipment removes the need for workers to manually lift the load, reducing the risk of workplace injuries.



Scan the QR code to find out more about vacuum lifters





Why Are They Used?

Vacuum lifting beams offer a safe and ergonomic solution to your material handling needs. With them, you can quickly and easily increase productivity in the workplace. Their operation is fast and smooth, making them ideal for repetitive handling tasks.

Panel, board, & sheet manufacturers often produce products that are very large and cumbersome to lift. It is easy for workers to become tired or over-stretch their bodies trying to move these loads. Vacuum lifting beams remove the burden of this task.



These products are also prone to damage. To reduce the risk of this, the vacuum lifting beam has padded suction feet. This is important for manufacturers who do not want their products to be scratched during the production process.

THE SOLUTION

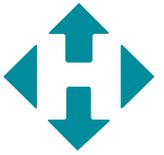
This vacuum lifting beam solution can safely lift loads of up to 150kg. The machine is designed for the handling of metal sheets and panels, which are too large and heavy for a worker to handle.

It is suspended from a balanced arm manipulator which enables further vertical and horizontal movement of the load. The vacuum lifting beam has adjustable suction feet to allow the lifting equipment to handle products of multiple sizes. These are padded to ensure they did not cause any damage.

The vacuum lifting beam removes the need for workers to manually lift the load, reducing the risk of workplace injuries and improving the efficiency of the production line.



VACUUM TUBE LIFTERS



Vacuum tube lifters are an excellent system to use as material handling equipment, as they feel weightless and can be used by a single operator.

Why Are They Used?

Vacuum tube lifters can help increase productivity while offering an ergonomic solution for your material handling needs. The operation is fast and smooth, making them ideal for repetitive handling tasks.

Material handling equipment that can remove the burden of manual handling from the operator will improve the health and safety of workers and reduce workplace injuries.

They are also a cost-effective solution. Vacuum tube lifters are low maintenance and when serviced, downtime and disruption are reduced, which improves production line efficiency.



THE SOLUTION

This vacuum tube lifter solution can safely lift loads of up to 55kg. The machine is designed for the handling of boxes with coffee machines inside. The heavy load has to be lifted onto a conveyer as part of the production line, a task that was a manual handling headache for workers.

The vacuum tube lifter is suspended from a jib crane, which gives adjustable travel for the application.

The vacuum tube lifter allows the load to effectively 'float', and removes the need for workers to manually lift the load, improving safety and efficiency.

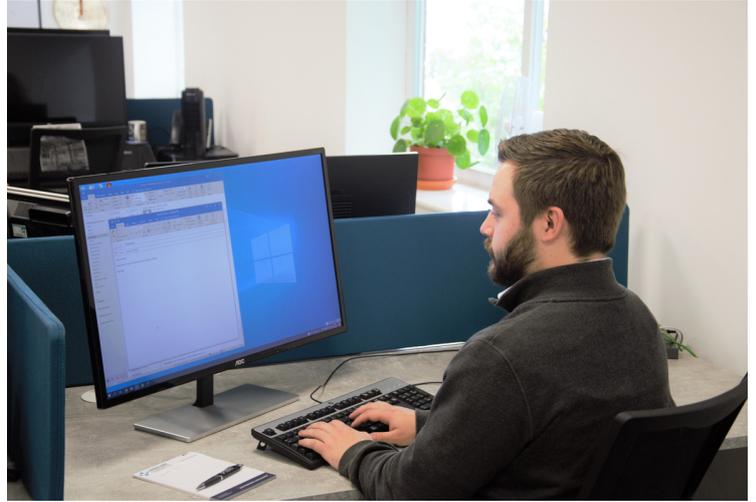


HANDLING CONCEPTS' VACUUM LIFTER SOLUTIONS



You can rely on over 25 years of experience with Handling Concepts to help you find the best vacuum lifters and material handling solutions that will help your workers move bulk loads without concern for injury.

Your exact specifications will provide you with a tailored outcome and an extensive range of options to choose from. You are supported by a team founded on knowledge, experience, and dedication to help you improve the safety of your workers and supply you with high-quality material handling equipment. You can remove the burden of manual handling, knowing you have access to an invaluable asset of pragmatic advice, unrivalled customer experience and reliable service.



FIND YOUR HANDLING SOLUTIONS

If you need a material handling solution and are interested in exploring how Handling Concepts' vacuum lifters will work for you, contact us today and remove your handling headache.

Scan the QR code to find out more.

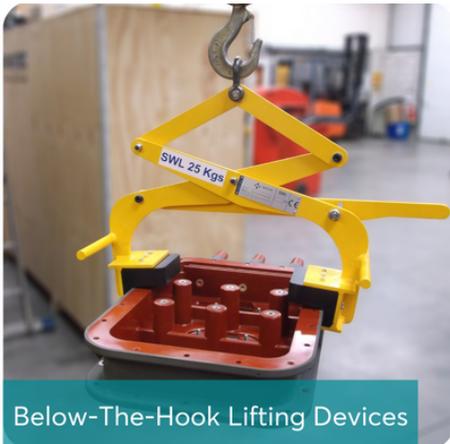


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EQUIPMENT TO SUIT YOUR BUSINESS NEEDS

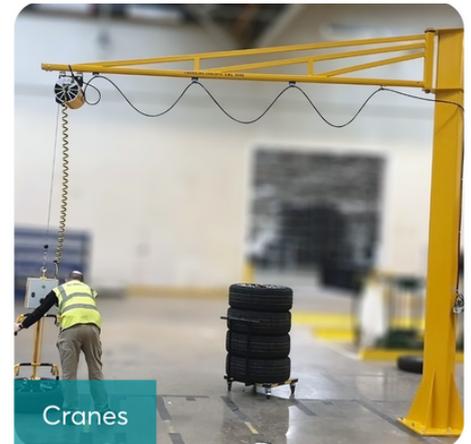
Handling Concepts' vision is to become the UK's leading company in materials handling equipment. With a goal of improving safety and efficiency, you can trust in a commitment to deliver impeccable customer service and outstanding engineering expertise. You can benefit from a range of services tailored to your needs, including:



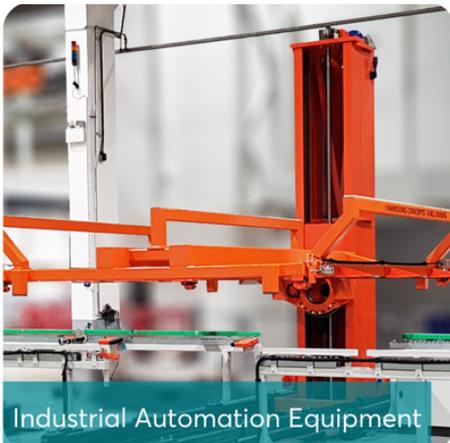
Below-The-Hook Lifting Devices



Bespoke Lifting Equipment



Cranes



Industrial Automation Equipment



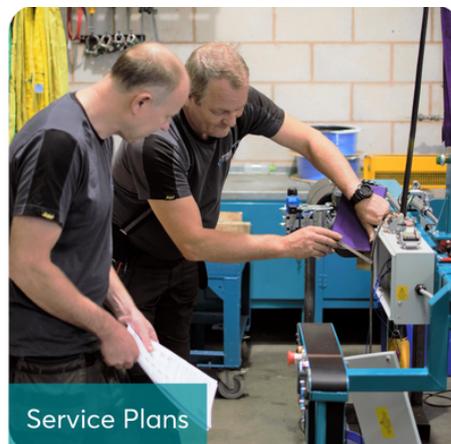
Industrial Manipulators



Mobile Lifting Equipment



Vacuum Lifters



Service Plans

CONTACT US

Contact us today and discuss your handling needs with our friendly customer service team.

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- Hydraulic Gripper
- Jib Crane
- Lifting and Rotate Column
- Light Crane System
- Manual Clamp Gripper
- Mobile Manipulator
- Overhead Cranes
- Overhead Telescopic Mast
- Pneumatic Gripper
- Pneumatic Rope Balancer
- Scissor Grab Gripper
- Scissor Lift Table
- Service Plans
- Special Purpose Machinery
- Stacker Trucks
- Travelling Slewing Jib Crane
- Trolley for an Electric Tug
- Turning Gripper
- Vacuum Gripper
- Vacuum Lifting Beams
- Vacuum Tube Lifter



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