



BELOW-THE-HOOK LIFTING DEVICES



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.

Companies across the world need safe and effective ways to handle anything from delicate materials to bulk loads. Below-the-hook lifting devices are one of the most popular tools for these tasks. Industries across every sector with challenging manual handling tasks use them to improve the health and safety of their workers, as well as their productivity.

As part of a full turnkey solution, below-the-hook lifting devices can be equipped with hoists, light crane systems, or industrial manipulators, creating an adaptable solution for many industries.



LIFTING DEVICES

Below-the-hook lifting devices are important attachments that facilitate the efficient and safe transportation of various loads. They increase the versatility of traditional overhead cranes and manipulators by providing a wide range of outcomes tailored to individual applications.

- ✓ Hydraulic Grippers
- ✓ Manual Clamp Grippers
- ✓ Pneumatic Grippers
- ✓ Scissor Grab Grippers
- ✓ Turning Grippers

Below-the-hook lifting devices are low maintenance, and regular servicing further reduces downtime and disruption.

You can rely on over 25 years of experience with Handling Concepts to help you find the best material handling methods for your components, ready to supply you with quality products, top-notch support, and a committed team of experts. You can benefit from an extensive range of products that have been used in many industries, like manufacturing and yellow goods.



WHY ARE BELOW-THE-HOOK LIFTING DEVICES USED?



Below-the-hook lifting devices can help increase productivity while offering a low-cost. 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 these 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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HYDRAULIC GRIPPERS



Hydraulic grippers are used when a high amount of force is required to lift and manipulate a load. They are ideal for work environments with tight space restrictions that need a high-power solution.

Why Are They Used?

A hydraulic gripper's function is designed around the handling application, creating a unique piece of lifting equipment. They can simplify the task at hand, which improves production efficiency.

This below-the-hook lifting devices can have a variety of safe working loads. They can lift loads and rotate loads that are too heavy for a worker to handle, reducing the risk of musculoskeletal injuries.

They can also be supplied as part of a full turnkey solution. Hydraulic grippers integrate well with hoists, light crane systems, and industrial manipulators.



THE SOLUTION

This hydraulic gripper solution can lift loads up to 4600kg. It lifts titanium slabs, moving them onto a slightly off-vertical machining bed.

The manufacturing process made it impossible for workers to handle the components without injury, so the hydraulic gripper was designed for this single application.

The hydraulic gripper provided a powerful solution for an exceptionally large load, removing manual handling from the application altogether, improving health and safety and production performance.





THE SOLUTION

This manual clamp gripper can lift loads up to 65kg. This customer was looking for an easy way to lift and move various coil sizes, using the overhead crane they already had.

Manual control was chosen, so that operation remained simple but time efficient. The left leg mirrors the motion of the right leg via a rack and pinion arrangement.

The manual clamp gripper removed the need for workers to manually lift loads, reducing the risk of workplace injuries. It also provided a low-cost, reliable solution to the manual handling needs of the business.



Why Are They Used?

Manual clamp grippers increase the versatility of traditional overhead cranes. In low speed cycle, work for gripping and rotating various loads. They are a low-cost approach to achieving the required result.

Traditional rigging slings and hardware do not offer the same security and longevity as manual clamp grippers. The solid design and single operator control provide a safe lifting experience.

For advice, design, manufacture, installation, training, and long-term service support, contact us today by scanning the QR code to find out if a Handling Concepts below-the-hook lifting device is the right material handling solution for you.





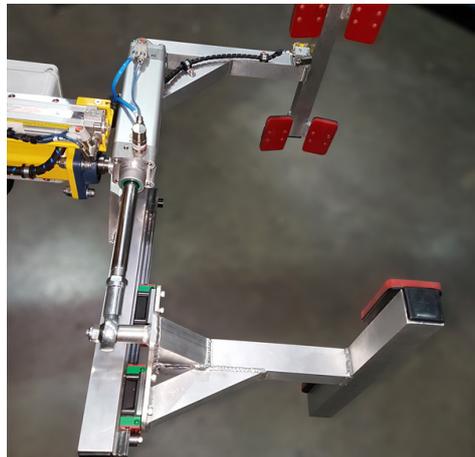
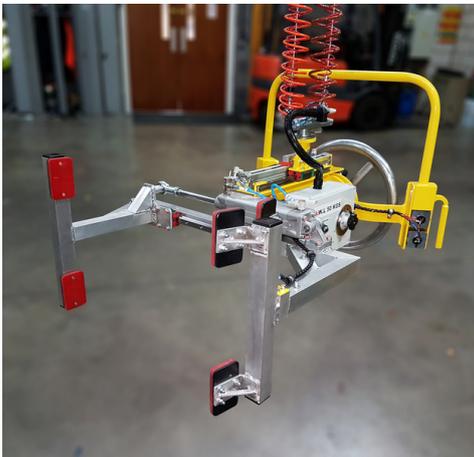
PNEUMATIC GRIPPERS

Pneumatic grippers are a cost-effective handling solution for many businesses. They provide a high gripping force that can be adjusted for the application, creating an adaptable piece of equipment. They integrate well with pneumatic rope balancers as there is already an air supply for them to use.

Why Are They Used?

One of the major benefits of pneumatic grippers is how lightweight they are. Workers are provided with an easy to use, low-effort solution which reduces fatigue and improves

THE SOLUTION



This pneumatic gripper can lift loads of up to 50kg. It grips paper core tubes, then lifts and rotates them 90 degrees so they can be placed on a mandrel as part of the manufacturing process. A pneumatic rope balancer was supplied with the gripper to create a full turnkey solution.

The control features are simple and intuitive, allowing workers to grip and release the product with ease. A manual hand-wheel is used to turn the load as the centre of mass is in line with the centre of rotation, creating a low-effort rotating system.

The pneumatic gripper enabled workers to rotate the load using minimal effort. Joint pneumatic and manual controls gave the operator oversight of the machine, providing a manual handling solution that reduced the risk of injuries and increased productivity.



SCISSOR GRAB GRIPPERS



Scissor grab grippers, also known as scissor clamps, scissor lifts or scissor lifting clamps, are below-the-hook lifting devices designed to grab and lift heavy components. They require no power or air supply and are manually activated.



Why Are They Used?

Scissor grab grippers increase the versatility of traditional overhead cranes. In low-speed cycle work for gripping and lifting various loads, they are a low-cost approach to achieving the required result.

A simple but effective lifting device, scissor grab grippers are low maintenance, which reduces the risk of breakdowns and downtime. This makes them a suitable replacement for traditional rigging slings and hardware, as they offer better security and longevity.

THE SOLUTION

This scissor grab gripper solution can lift loads of up to 25kg. This customer was looking for any easy way to lift and move electric components using the overhead crane they already had.

A scissor grab gripper was chosen as the lifting application was relatively simple, but the customer still wanted to reduce the necessity for manual handling.

This gripper provided a low-cost investment that was easy to operate and reduced the risk of musculoskeletal injuries.



Scan the QR code to find out more about below-the-hook lifting devices





TURNING GRIPPERS

Turning grippers are robust lifting device used to lift, grab, and rotate components during assembly. They have a unique design that allows them to grip components with ease. Turning grippers feature a simple control panel that can be used by a single operator.

Why Are They Used?

Turning grippers are used when a cumbersome load needs to be rotated. During the manufacturing process, the product may need to be flipped 180 degrees to mate with certain components. Turning grippers handle this laborious task for the workers, reducing the risk of workplace accidents and improving production efficiency.

THE SOLUTION

This turning gripper solution can lift loads of up to 820kg. It grips stainless steel canisters, then lifts and turns them 180 degrees so workers can complete the assembly of the product.

The turning gripper enabled operators to turn over an unusually large load. This allowed workers to be removed from the manual handling process, improving health and safety and production performance.



HANDLING CONCEPTS' BELOW-THE-HOOK LIFTING DEVICE SOLUTIONS



You will benefit from a collaborative and innovative approach to find your below-the-hook lifting device solution. Enjoy a comprehensive and reliable service, focussed on safety, quality, and performance.

With access to a range of Handling Concepts' below-the-hook lifting devices, your exact specifications will provide you with a tailored solution, and a choice of extensive options.

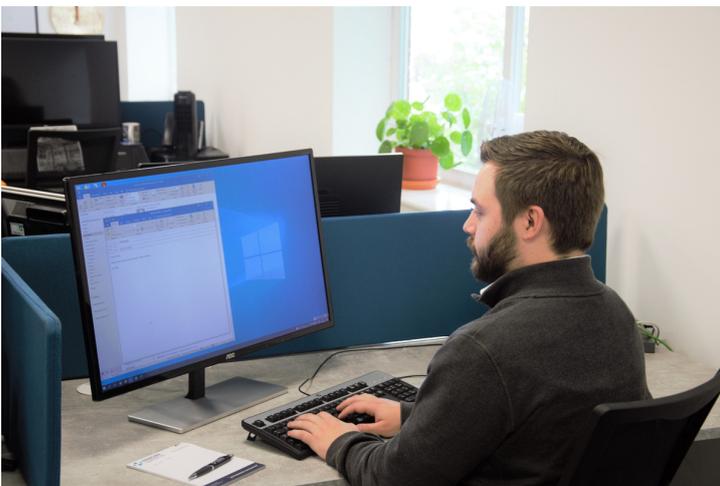
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FIND YOUR HANDLING SOLUTIONS

If you need a material handling solution and are interested in exploring how Handling Concepts' below-the-hook lifting devices will work for you, contact us today and remove your handling headache.

Scan the
QR code to
find out
more.

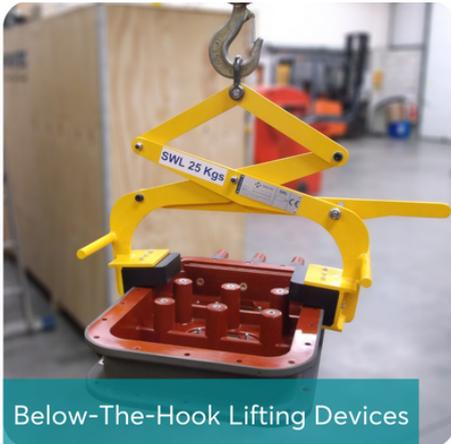


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EQUIPMENT TO SUIT YOUR BUSINESS NEEDS

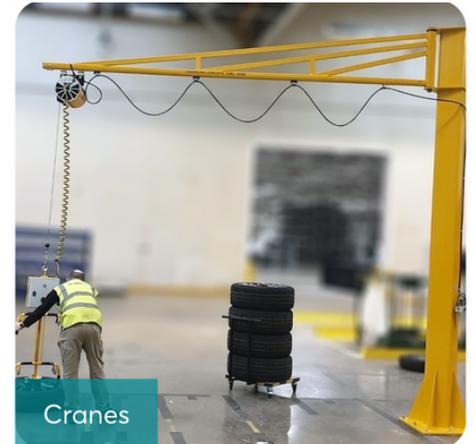
Handling Concepts' vision is to become the UK's leading company in materials handling equipment. With a goal of improving safety and efficiency, you can trust in a commitment to deliver impeccable customer service and outstanding engineering expertise. You can benefit from a range of services tailored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



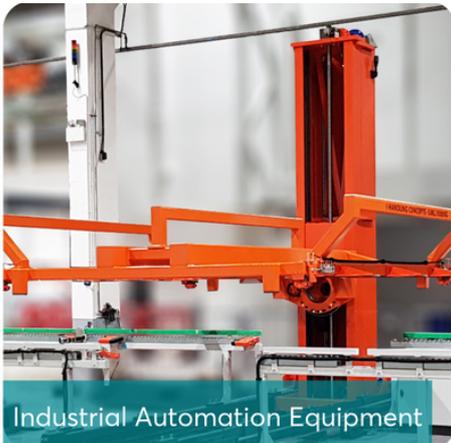
Below-The-Hook Lifting Devices



Bespoke Lifting Equipment



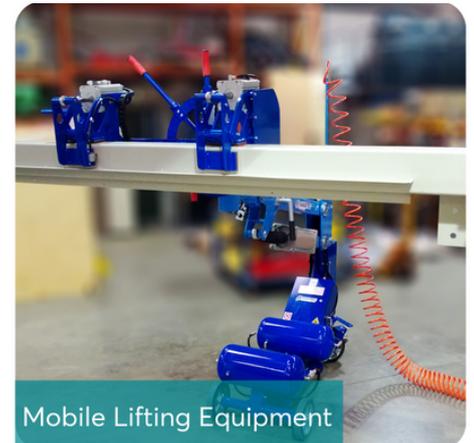
Cranes



Industrial Automation Equipment



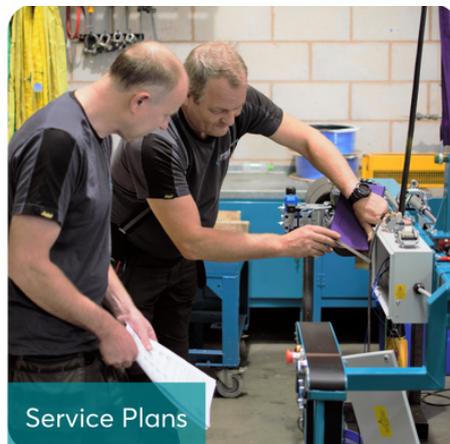
Industrial Manipulators



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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- Critical Spares Package
- 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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