

MOBILE LIFTING EQUIPMENT



HANDLING CONCEPTS
/// ENGINEERED HANDLING SOLUTIONS

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BAE SYSTEMS

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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 with moving conveyor lines, fast production times and work environment constraints need safe and effective ways to handle anything from delicate materials to bulk loads. Mobile lifting equipment provides a flexible solution to many manual handling problems.

With access to a range of Handling Concepts' mobile lifting equipment, your exact specifications will provide you with a tailored solution, and a choice of extensive options.



MOBILE EQUIPMENT

Equipment that can lift, manoeuvre, and hold bulk loads is referred to as lifting equipment. If that equipment can be moved around the workplace or moved to a desired location, it becomes a mobile solution.

There are many types of mobile lifting equipment, including mobile manipulators, stacker trucks, and scissor lift tables.

- ✓ Balance Trolleys
- ✓ Mobile Manipulators
- ✓ Scissor Lift Tables
- ✓ Stacker Trucks
- ✓ Trolley for an Electric Tug

With Handling Concepts, you will have access to an industry leader in materials handling solutions, with nearly 30 years of experience.

You will receive exceptional customer service and can rely on a team of experts who have developed mobile lifting equipment solution for businesses across the globe.



WHY IS MOBILE LIFTING EQUIPMENT USED?



Mobile lifting equipment is a brilliant solution if you have a fast-paced work environment and often have workers completing repetitive, laborious jobs. . 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 professionals who 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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BALANCE TROLLEYS



Balance trolleys are a platform that can support the load of a component. Castors mounted to the trolley allow them to move around the workplace. They have a bespoke head plate that can be raised or lowered. This creates a near effortless manual handling experience for the worker.

THE SOLUTION

This balance trolley solution can lift loads up to 10kg and include castor wheels to create a piece of mobile lifting equipment. It was tasked with balancing and lifting undercarriage automotive parts to allow workers to install different components.

There was an onboard 24L air tank to power the pneumatic cylinder. The air tank was rechargeable, allowing the equipment to be charged when needed.

Two different head plates were manufactured. One with a single support and one with three support arms. The supports were fitted with nylon blocks to reduce the risk of damage to the automotive parts.

The balance trolley removed the need for workers to lift and balance heavy parts. This reduced the risk of injuries caused by incorrect manual handling and improved the efficiency of the production line.



Why Are They Used?

Balance trolleys are a versatile piece of mobile lifting equipment for any industry. Their ability to balance components requires minimal effort and eases the manual handling needs of your workers, also benefiting production lines.



MOBILE MANIPULATORS



Mobile manipulators are like an industrial manipulator but are set on castors to allow them to become a portable material handling solution. They have the same rigid manipulator arm but are scaled down to make them transportable.



Why Are They Used?

Mobile manipulators are ideal for providing readily available lifting equipment for your workers. They provide a tool to remove the burden of laborious manoeuvres such as gripping, lifting, holding, and rotating loads.

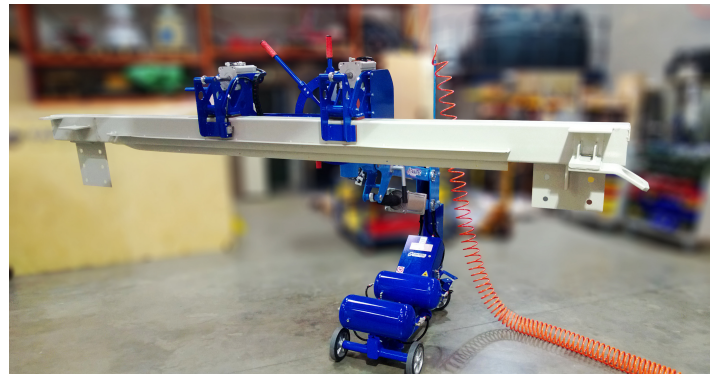
They are portable and also provide a cost-effective solution for covering sizeable areas. They can keep up with fast-moving production processes seen in pick and packing applications.

THE SOLUTION

This mobile manipulator solution could lift loads up to 300kg. The machine gripped 3m long steel columns to rotate from the horizontal delivery position to vertical, ready for fitting in a different location.

It included polyurethane-faced grippers to avoid surface damage whilst enhancing grip.

It removed the need for workers to lift cumbersome columns manually, reducing the risk of workplace injuries and improving efficiency.



Scan the QR code to find out more about mobile lifting equipment solutions.





SCISSOR LIFT TABLES

Scissor lift tables are platforms that can be raised or lowered to any height within their range of vertical movement. They have a strong, rigid, and stable base that can be fixed to the ground, or they can be supplied with castors to form a mobile lifting solution. You can customise the platform of a scissor lift table to include conveyors, rollers, rotating discs and bespoke grippers.

Why Are They Used?

Scissor lift tables are versatile pieces of mobile lifting equipment for any industry. Their ability to raise and lower objects with little effort reduces the strain on your workers' backs from manual lifting.

THE SOLUTION



This scissor lift table solution can lift loads up to 150kg and was changed to include castor wheels, creating a piece of mobile lifting equipment. A foot pedal allows the worker to control the lift of the scissor lift table, allowing smooth and tailored operation.



This solution was customised with a roller top. This modification made the handling of goods even easier and more efficient as it removed the need to lift goods when removing them from the scissor lift table.



The scissor lift table with the roller top removed the need for workers to both lift and manoeuvre objects around their workplace, reducing the risk of worker fatigue and improving the efficiency of the pick and pack line.



STACKER TRUCKS



Why Are They Used?

Stacker trucks are ideal for providing readily available lifting equipment for your workers. They provide a tool to remove the burdens of laborious manoeuvres such as lifting, loading, unloading, and moving bulk loads.

THE SOLUTION

This stacker truck solution could lift loads up to 75kg and was changed to include a bespoke gripper for moving circular moulds and their corresponding aluminium plates. The gripper is controlled with a hand-wheel leadscrew arrangement to allow the operator to clamp or release the jaws when needed.

To allow travel with no restrictions, the stacker truck has an onboard battery and hydraulic pump. This allows both the lifting equipment and gripper to function with no limitations.

The stacker truck with the bespoke gripper removed the need for workers to both lift and rotate the large moulds and aluminium plates on the production line, reducing the risk of workplace injuries and improving the efficiency of the production line.



FIND YOUR HANDLING SOLUTIONS

For advice, design, manufacture, installation, training, and long-term service support, contact us today to find out if Handling Concepts' mobile lifting equipment is the right material handling solution for you.

Scan the QR code to find more.



TROLLEY FOR AN ELECTRIC TUG



Electric tugs allow a single operator to push, pull, and steer wheeled loads. They are often brought into the workplace to complete a task that was previously performed either by a forklift or one that was handled manually.

THE SOLUTION

This trolley for an electric tug solution moves, lifts, and positions canisters on an assembly line. Our customer already used the electric tug for other manual handling applications but wanted to turn it into an all-purpose solution for their workers.

The trolley enabled large components to be moved along the assembly line with ease and efficiency and can lift loads up to 3000kg. A scissor lift table was the foundation structure of the trolley, allowing the platform to be raised or lowered.



Why Are They Used?

Electric tugs provide weightless manoeuvring of loads across the assembly line, providing a lifting solution for many workers at multiple points. Their compact size facilitates work environments that are restricted in space.

The addition of a raising and lowering platform makes trolleys ideal for assembly lines. They remove the burden of lifting and moving bulk loads across the workplace. This benefits workers, as they can complete their tasks more efficiently and without injury.



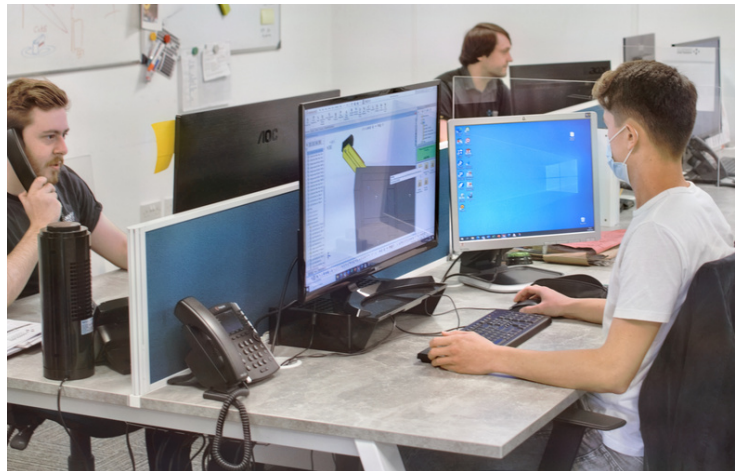


HANDLING CONCEPTS' MOBILE LIFTING EQUIPMENT SOLUTIONS

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FIND YOUR HANDLING SOLUTIONS

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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:



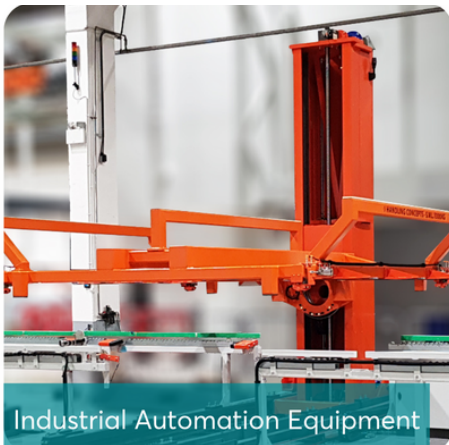
Below-The-Hook Lifting Devices



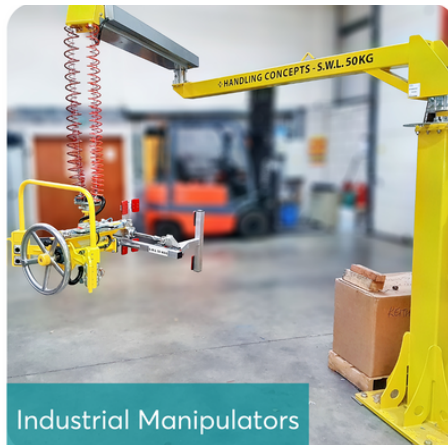
Bespoke Lifting Equipment



Cranes



Industrial Automation Equipment



Industrial Manipulators



Mobile Lifting Equipment



Vacuum Lifters



Service Plans

CONTACT US

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HANDLING CONCEPTS

- Autonomous Construction Equipment
- Balance Trolley
- Balanced Manipulator Arm
- Bespoke Lifting Equipment
- 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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