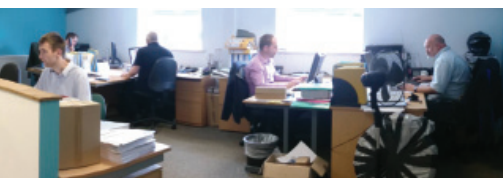


Palamatic— First choice in providing
expert solutions for your lifting and
handling problems

Hello. We are Palamatic,
the leading force in global
handling systems. From our
base in the heart of England
we supply the world with
highly tailored lifting solutions.

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About
Palamatic

Based in the heart of England near the Peak District, Palamatic Materials Handling continue to lead the market on flexibility and price.



Chatsworth House, Derbyshire

Since introducing Vacuum Tube Lifting technology to the UK in 1985 Palamatic has supplied thousands of lifting solutions to most industries world wide. Palamatic is now an established and leading force in the global market for vacuum handling systems.

Palamatic's MD Melanie Taylor has been with the company since 1990 and has held the position of MD since 2004. Traditionally a family run company with strong base values and a deep-set culture of innovative design and competitive energy, Melanie has built up a team of responsive Managers who are ready to take on challenges and seize new opportunities. She is supported by Technical Director and Chairman Stewart Bennison on product design.

Our Focus

Over two decades Palamatic has evolved to form four divisions that focus on our customers' needs in all industries.



Materials Handling Division providing lifting and handling solutions for all general industries including Woodworking, Chemicals, Food, Oil and Gas, Packaging, Refractory, White goods, Printing and Logistics www.palamatic.com



PalPharma Division is now an established and leading force in handling solutions for the Pharmaceutical, Healthcare, Medical, Fine Chemicals, Cosmetics and Nuclear industries www.palpharma.com



Powder Handling Division Palamatic's original product focus in 1985 was to produce designs for Automatic Sack Opening equipment driven by the need to safely open and discharge all manner of powders in sacks into onward processes in many industries and comply with COSHH Regulations. Palamatic's range of efficient automatic, semi automatic and manual sack opening machines have the solution to dust-free handling and maximum discharge. www.powderhandling.co.uk

Customer Services Division covering the total package of after sales support for all our customers. www.palamatic.com

Our UK based Head Office in Chesterfield, Derbyshire and carefully selected overseas networks offer technical sales and engineering resources, skilled fitters and dedicated assembly areas, test plants and after sales services.

Palamatic — First choice in providing expert solutions for your lifting and handling problems.





When deciding on a solution to your specific handling problem the first question to ask is who has done it before? The answer is Palamatic.

Our ever-growing list of customer references from industries worldwide supports this claim, which means that we can offer guidance based on real experience. From design to after sales services we will support our customers every step of the way.

The Health and Safety of your operatives is always our first consideration and our wealth of experience working with customers in all industries has resulted in the most ergonomic handling aids.

Our aim is to reduce operator effort and protect your valuable product in difficult handling situations.

We are fully aware of the problems of absenteeism through injuries and potential insurance claims. Choosing the right solution to your handling problem will minimise the risk for your business and ensure the safety of your employees.

If your industry standards require specific design considerations such as hygienic dairy grade design or equipment for hazardous environments (ATEX zoned areas) Palamatic's solutions can fully comply.

Reasons to choose Palamatic

- Nearly 30 years experience
- Standard systems and parts distribution
- Bespoke systems designed and engineered to suit requirement
- Globally experienced distribution network available locally
- Centrally located in the UK
- US factory for stocking spares



Melanie Taylor
Managing Director



Stewart Bennison
Chairman



Roy Fincham
Group Sales Manager

Why Choose Palamatic?

“Our aim is to reduce operator effort and protect your valuable product in difficult handling situations.”

Melanie Taylor, Managing Director

To arrive at the best solution to your individual handling problem our teams review three important factors:

Your product

Size, shape, weight, grip area, material.

Your process

What do you want to do with your product
eg palletise? lift and rotate?

Your working environment

Where do we need to fit the lifting equipment –
low headroom?, hygienic area?, Atex zoned area?

Whatever the answers are to the above we will work with you to achieve the best handling solution to suit.



The global picture — rapid response local support

Palamatic's sales team has worked hard to put together a sales distribution network for our equipment. Our authorised distributors are fully competent, trained and knowledgeable on our products.

Product inventory is stored in strategic places around the world to maintain quick deliveries for our International customers. Test Plants are available in most locations for product testing and local support is a key factor for companies who choose Palamatic.

Check out our web-site available in many languages and note our Distributor section offering up-to-date technical support 24/7.

Our global network

- Argentina
- Australia
- Belgium
- Canada
- China
- Denmark
- France
- Germany
- India
- Ireland
- Italy
- Malaysia
- Mexico
- Middle East
- North America
- Poland
- Portugal
- Puerto Rico
- Singapore
- South Africa
- South America
- Spain
- Taiwan
- Thailand
- The Netherlands
- Turkey



 Palamatic HQ

Our branch offices in USA, Germany and Singapore are strategically located to support customers. Our local distributors and agents are trained to offer technical support, advice, spare parts and after sales services.

Materials handling is the means by which you can achieve efficiencies when materials need to be moved – reducing the handling of materials directly reduces costs.

Each industrial sector faces it's own set of problems when moving materials throughout the operation. Each customer we work with trusts we understand their processes and their constraints. Together we help our customers achieve efficiencies and a safer working environment for their operators.

Our knowledge has built up over years of working closely with small, medium and multi-national companies in over 20 manufacturing industries. We are proud of being so many customers preferred lifting and handling supplier and we constantly work hard to deliver the service and support our customers need for them to be successful.

- Aerospace
- Automotive
- Beverage and brewing
- Chemical
- Electronics
- Food
- Logistics
- Nuclear
- Offshore
- Packaging
- Pharmaceutical
- Printing
- Rubber
- Steel
- Woodworking

In-depth knowledge of your industry and your processes



Palamatic's philosophy has always been to push the boundaries of technology – this is how we learn and this is how we grow.

PALAMATIC's comprehensive vacuum lifting range of solutions has advanced over the past year to include our S-LINE robust range of end effectors and extension handles to give the operator the most ergonomic solution for their application for 20-300kg loads.



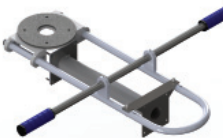

The range also includes a LITE system for fast repetitive lifting of 5-40kg loads. This allows the customer to choose exactly what they need for their application without paying for additional design work.

The Palamatic S-LINE concept enables us to offer the most versatile set of options to satisfy the widest range of industrial handling solutions but based on a minimum number of components in an integrated, modular design.

The range now offers:

S-LINE Control Handle Options

A comprehensive range of control handle options capable of being attached to the standard control head.

- **S-LINE-CH-STD** – ideal for most carton, sack and small component handling suitable for fitting assisted release lever 
- **S-LINE-OVAL-STD** – a favourite for many sack, palletising, de-palletising operations where speed of operation is important. Usually used with a universal joint to allow easy release as this handle is not suitable for lever operated assisted release lever. 
- **S-LINE-EX550-STD / S-LINE-EX850-STD** with or without counter-balance weight. Usually used on heavy duty operations handling large drums, containers or boards and will incorporate a universal joint and lever operated assisted release. 
- **S-LINE-FLEX550-STD** or **S-LINE-FLEX850-STD** – this supersedes the old flexible handle arrangement for higher lifting applications as the control valve assembly and handle can now be counter-balanced effectively without putting excessive load on the lift tube eliminating operator effort. This is usually used with the lever operated assisted release. 

– **S-LINE FLEXIBLE TELESCOPIC HANDLE**

For ultra high lifting reaching up to lift heights of 2.9m eliminating any operator stretching. The telescopic handle ensures that loads can be lifted ergonomically and safely onto pallets. The higher the stack the more products can be transported at any time, thus providing an economical choice for vacuum lifting.



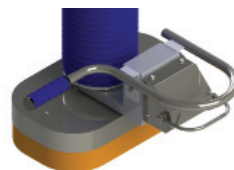
S-LINE Control Head

A single control head rated for all capacities covering heavy duty and standard lifting requirements but is suitable for attaching all of the above options of control handles.



S-LINE Low Headroom Control Head

This is for the applications where as high a lift as practicable is required. This control head assembly allows the maximum lift heights to be achieved and is compatible with all control valve options supplied within Palamatic's range. It also now features a fixed control handle and a 'flex' control handle assembly for optimum use.



Insertable Assisted Release Feature

Allows easy maintenance and adjustment as well as improved access to the balance plate assembly. This feature allows the operator to release the load carefully and precisely with minimum effort.



Optional Control Valves

– **CV1 - PL Stayput Lever Quadrant Valve**

Palamatic's traditional stayput valve giving great control irrespective of the weight of the load without the necessity to make balance control adjustments



– **CV2 - Spring Loaded Lever Cone Valve**

Palamatic's traditional spring-loaded valve used on repetitive lifting of standard loads



– **CV3 - Stayput Lever Plate Valve**

Palamatic's NxG valve with higher flow capacity making it ideal where systems are in use on 60 cycle supplies and high flow vacuum generators are in use. Also a good choice for all other lifting application requirements.



– **CV4 - Spring Loaded Lever Plate Valve**

This valve is used in particular on flexible telescopic applications and is suitable for all other repetitive lifting applications on standard loads.



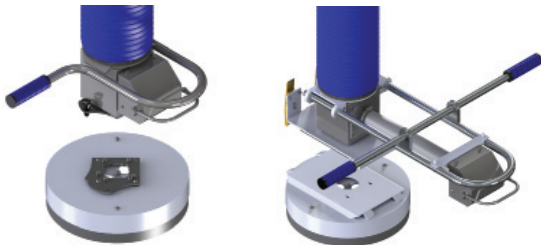
Standardised Universal Joints and Rotary Couplings

These are rated for all capacities. The universal joint reduces the stress on the lift tube ensuring maximum life and the rotary coupling allows the load to be rotated independently to the control handle making it ideal for palletising operations.



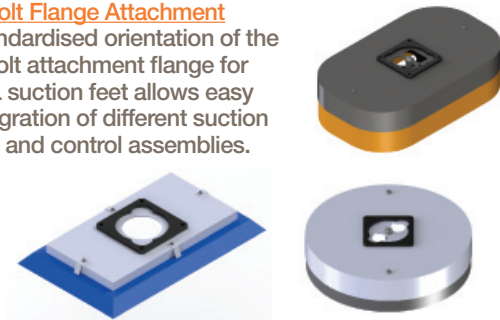
Quick Release Couplings

The two options of quick release couplings, S-LINE LIGHT DUTY and S-LINE HEAVY DUTY, allow the fitting of different end effectors to suit different loads.



4-Bolt Flange Attachment

Standardised orientation of the 4-bolt attachment flange for ALL suction feet allows easy integration of different suction feet and control assemblies.



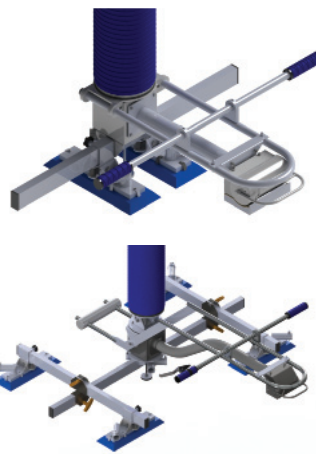
Multiple Bellows Suction Feet

An increased usage of the bellows type suction cups which are ideal for achieving instant grip on most surfaces. These can be supplied on fixed frame of adjustable frames to suit all types of products to be lifted. The use of these to grip flexible cardboard cartons and flat packs is a major advantage.



S-LINE adjustable suction feet

Palamatic Supply Double and Quad suction foot assemblies which are adjustable to give a greater range of product cover.

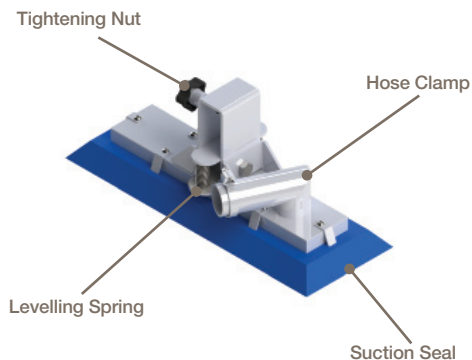


Generally for use when handling smooth, dry, flat surfaces such as cartons and boxes, boards and panels. Selection of the suction foot assemblies is also flexible and simple.

The customer is able to select a suitable frame size and a suitable suction foot assembly for both double and quad suction foot builds.

Upgraded Spring Loaded Mounting Arrangement

The above double and quadruple suction foot assemblies now include an upgraded spring loaded mounting arrangement for ALL suction feet being attached to a crossbar to give ease of location when lifting product.



Products below from left to right:

- S-LINE Vacuum Lifting Range**
- S-LINE Pallet Inspection Unit
- S-LINE Carton Lifter
- S-LINE Bag Lifter

“We can offer you a bespoke, tailor-made solution or an off-the-shelf option.”



Palamatic LITE

The Palamatic LITE Vacuum Tube Lifter design is manufactured from 304 Stainless Steel as standard and incorporates a single handed operation. With a 100/120mm diameter lift tube system, the LITE offer a range of capacity to lift between 5 kg – 40 kg (dependant on the type of vacuum generator used and the porosity of the load to be lifted).

The combined trigger valve, control head and suction foot assembly is light and easy to operate and has the benefit of all the standard Palamatic lifter safety features. When a load is gripped it cannot be released until it has landed and in case of a power failure will allow the load to be lowered carefully to the ground.

The LITE is ideal for handling **Cardboard Boxes, Wooden Boards, Sheet Metal, Plastic Sacks, Paint Tins, Drums.**

Options include:

- A **vacuum generator** that gives the speed of operation required at low noise levels and with just the right controlled flow.
- A **lift tube** that works in synchrony with the vacuum generator to produce the optimum performance.
- A combined **trigger control valve** and control head adaptors are designed that fits like a glove with instant response
- **Flex handle** option with counterbalance 550 or 850mm long extensions and with optional control handle configurations.
- **Optional Airborne release** is a feature that can be included on the control valve allowing in air release of a load such as a parcel (discussion on the application must take place for this feature to be included to ensure operator safety.)

High Capacity Vacuum Tube Lifters

The vacuum tube lifters handle loads up to 300kg (660lbs). These work-horses are suited to handling heavy or large wooden boards, drums or sheet steel for example.



Hi-Vac Lifters

The Hi-Vac range are battery powered units, up to 500kg capacity (1100lbs) which can be attached to a wide variety of secondary lifting devices such as hoists, FLT fork attachments and small cranes. It's energy saving features and secondary safety devices make it a perfect choice for lifting concrete blocks or full 200 gallon steel drums.



The LITE-FLEX includes optional Assisted Release to break the seal on the product once landed without the operator having to manually break the seal by twisting the assembly



Single Suction Foot Assemblies



Oval Suction foot for slightly uneven non porous surfaces

Single bellows foot for achieving instant grip

Hook assembly for lifting drums/containers and baggage handling

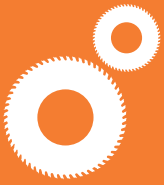
Combination hook and bellows assembly

Double and Quad Suction Foot Assemblies



Fixed or adjustable options for handling smooth dry flat surfaces

Crossbar mounted with fixed or adjustable options for handling smooth dry flat surfaces



Palamatic

Powder Handling

Dust-free sack and bag opening

A supplier of automatic, semi automatic and manual sack opening machines since 1985, Palamatic are proud to have built up such a solid global reference list with experience spanning a wide range of powders and applications.

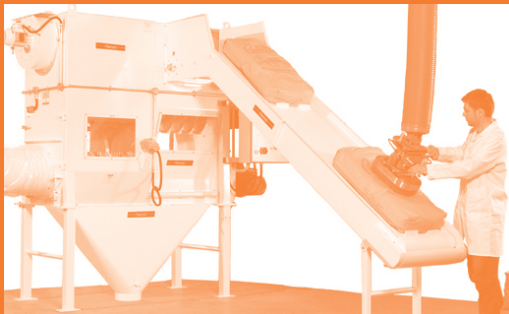
Customers incorporate sack opening systems when the working environment is dusty and potentially hazardous to the operator. No two manufacturing processes are the same and with individual site plan restrictions to take account for Palamatic has developed a dedicated range of machines.

Food, chemical, paints, pharmaceutical, oil and plastics are typically some of the manufacturing sectors which rely on sack and bag opening solutions from Palamatic.

The raw material infeed point is a critical part of the process and essential for optimum productivity. Our customers rely on our machines to safely open large volumes of material on a rapid turnaround basis. Machines work continuously or on a batch process.

We pride ourselves on designing and supplying robust, low maintenance machines which allow our customers to focus further downstream, safe in the knowledge that the infeed section is well taken care of.

www.powderhandling.co.uk



Our Range

The Rota Slit automatic sack opening machine is capable of handling sacks and bags up to 10 – 12 per minute*.

The raw material infeed point is a critical part of the process and essential for optimum productivity. Our customers rely on our machines to safely open large volumes of material on a rapid turnaround basis. Machines work continuously or on a batch process.

This machine comes in two forms – a compact design suitable for 4-8 sacks per minute when multiple sack types/sizes are handled and used in industries such as Oil and Gas where reliability is of premium importance.

The other option is a high throughput machine configured to handle product such as sacks of tea/coffee in rigorous production processes with throughputs of 12 sacks per minute the norm.

The MiniSlit is Palamatic's most compact machine and is based on a continuous cyclic sequence of operation with electro pneumatically powered sack opening functions making it ideal for operations up to 4-8 sacks per minute. This is our general purpose, economic solution to sack opening.

The VariSlit is also based on a continuous cyclic sequence of operation with electro-pneumatically powered sack opening functions making it ideal for operations requiring 6-12 sacks per minute. In its highest 316 Stainless Steel specification this machine is ideal for food applications in particular milk powders. The easy cleardown / strip-down design ensures maximum hygiene for the critical handling of food ingredients.

The AutoTip is based on the cyclic sequence of operation with an electro-pneumatically powered sack opening function making it ideal for applications that require 2-4 sacks opening per minute. A typical application for this machine is the low throughput handling of teas sacks at 2-3 sacks per minute.

The Manual Sack Tip machine has a small footprint and due to the size of the inlet door is suitable for opening a wide range of sacks. This machine can be supplied with an integral dust extraction and waste compactor. Where contact with the powders unavoidable Palamatic offers an Enclosed Sack Tip option with integrated Glove Ports and side roller bed infeed to allow efficient discharge of the powders in the safest manner.



PalPharma Handling Solutions

cGMP Materials Handling and Lifting Solutions

For our customers who work within regulated manufacturing sectors such as the pharmaceutical, biotech, medical or nuclear industries we offer a more personal dedicated service via our PalPharma division.

From design to commissioning PalPharma supports our customer every step of the way.

Our economic solutions include lifting, tipping, pouring, powder infeed, product transfer and blending.

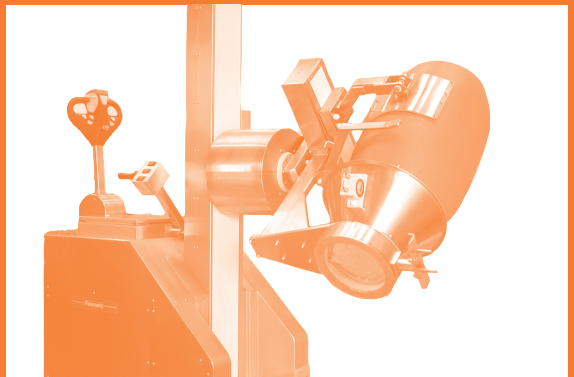
Our pneumatic and electrical equipment provides standard solutions for many environments such as cleanroom classifications and are ideal for flameproof areas.

Mobile and fixed handling solutions are available.

Integrations into downflow booths or isolators are a speciality of PalPharma's and we have a growing number of prestigious references around the world.

For more detailed information on the products and options available please visit our web-site www.palpharma.com or telephone to discuss your application with our technical engineers specialising in cGMP handling solutions.

www.palpharma.com



Mobile Solutions

PALPharma Move cGMP Mobile Equipment for Drum, Container and Product Handling

- Manual push/pull M7 or powered drive K9 versions available
- Can be electric or pneumatic – no hydraulics are used
- Suitable for ATEX environment to zone 1/21T4 with documentation (pneumatic)
- Optional telescopic mast to achieve 3.2m lift height but can still fit through a 2.1m doorway height
- Stacker / Straddle Base M7 5kg – 1 tonne capacity
- Counterbalanced K9 version - 250Kg capacity. Higher capacity on application
- Compact footprint which is designed to fit through standard doorways
- Fully clad stainless steel 304 or 316 construction which is easy to validate
- Effortless to move
- Various end effectors available to handle drums, boxes, sacks, reels, pallets and trays
- Range of discharge cone options to aid product flow or discharge
- Optional 180° drum manipulation for pouring and blending (360°)
- High containment options available
- CE Conformity



PALLift2Move battery powered lifting aid for loads from 85kg to 400kg

- Variable pillar lift heights
- Two speed removable remote control
- Push handle for controlling the reach and height
- Three stage parking brake and motor brake with self locking drive unit
- Non marking castors
- Robust construction
- Customised load handling attachments available including forks, prongs, roller platform, hook attachments, and grippers Ideal for ergonomic loading of machines, shelves, filling & conveying systems, centrifuges, pallets, roller tables
- CE Conformity



PALTouch2Move patented drive system for handling loads up to 500kg

- Effortless movement of goods
- No license required as with Fork Lift Trucks
- Maintenance free, gearless hub drive motor
- Two braking systems
- Sensor handles for sensitive control using hand detection
- Optional remote control operating panel
- Battery powered 2 x 12 V, 50Ah, operating voltage 24V
- Tyre options to suit floor material
- CE Conformity



PAL LEO The Tug systems with the Ingenious touch2move Drive System for loads up to 2500kg

- Software permits pushing and pulling with one or two handed operation
- Maintenance free batteries and electronic charging units
- Battery exchange system for non stop use
- Two braking systems
- No license required as with Fork Lift Trucks
- Customised solutions are available
- CE Conformity



Slab-Vac Paving Lifter

- Battery powered vacuum suction attachment can be fitted to any type of highway construction/ maintenance vehicle eliminating manual handling of paving slabs.
- Accurate positioning with no danger of trapping fingers or causing back injury, this simple to operate device has a capacity of up to 160 Kg.
- Can be de-mounted easily as required.
- Option of two-man handles.
- Easy change-over suction pads to suit different shapes and sizes of slabs and vacuum level indicator gauge.
- Provides a safe and effective solution to this tough handling job.
- Battery life on full charge gives 4 hours of use and is supplied with a 12V charger. Designed and manufactured in the UK this system comes with CE Conformity



Track-O

- Moves loads up to 1,100 lbs (503 kg) on stairs or inclined surfaces inside buildings and in confined spaces, as well as outside.
- Wireless remote controls so that operators can stay far from dangerous equipment and avoid injury.
- Less than 80 decibels and emit no fumes; they have a good work runtime time, and require very little maintenance.
- Reliable and rugged
- Versatile and efficient
- Minimum maintenance and easy to operate
- Sustainable development



Engineered Solutions

Manipulators

Palamatic industrial manipulators can be custom-built to integrate into our clients working environments. Our versions are mainly used in the automotive related industries where standard designed manipulators are supplied with custom designed end effectors.

PneuLift

Palamatic PneuLift units enable the safe, ergonomic and efficient handling of many varied products up to a maximum weight of 650Kg (1320lbs). The Pneu-lift systems have zero gravity balance similar to the Manipulator range so the operator has no buttons to press to achieve accurate positioning of loads.

Post Hoist Systems

The Palamatic Post Hoist range of equipment incorporates mobile and static systems for discharging, docking, feeding, tipping and blending of product in drums and IBCs. The range also offers platform lifts for lifting drums, pallets and IBC's

Drum Positioners Tippers and Emptiers

The Palamatic range of Drum Tipper and Emptiers offer an easy and ergonomic method of dispensing and transferring powders and liquids from one process to the next in an effortless ergonomic task for the operator.

The operator is protected against the inhalation of potentially hazardous dust when used in conjunction with a containment or downflow booth.

Static and mobile drum handling machines are available and various options of drum support are available for lifting and pouring or tipping of drums weighing up to 350kg. Drum lift, advance and placement are options to help the ergonomics of the task. Dust control discharge cones and different types arrangements are available.

Gorbel

The Gorbel range of intelligent lifting devices have been designed to lift and place loads naturally as if the devices were an extension of an operator's arm.

- Capacities from 165 to 1320 lbs.
- Speeds up to 200 ft. per minute
- Can cover multiple work cells
- Rapid return on investment through increased productivity and reduced product damage
- Decreases risk of operator injury creating a safer work environment
- Higher environmental ratings (more tolerant to dust and liquid)
- Enhances job performance

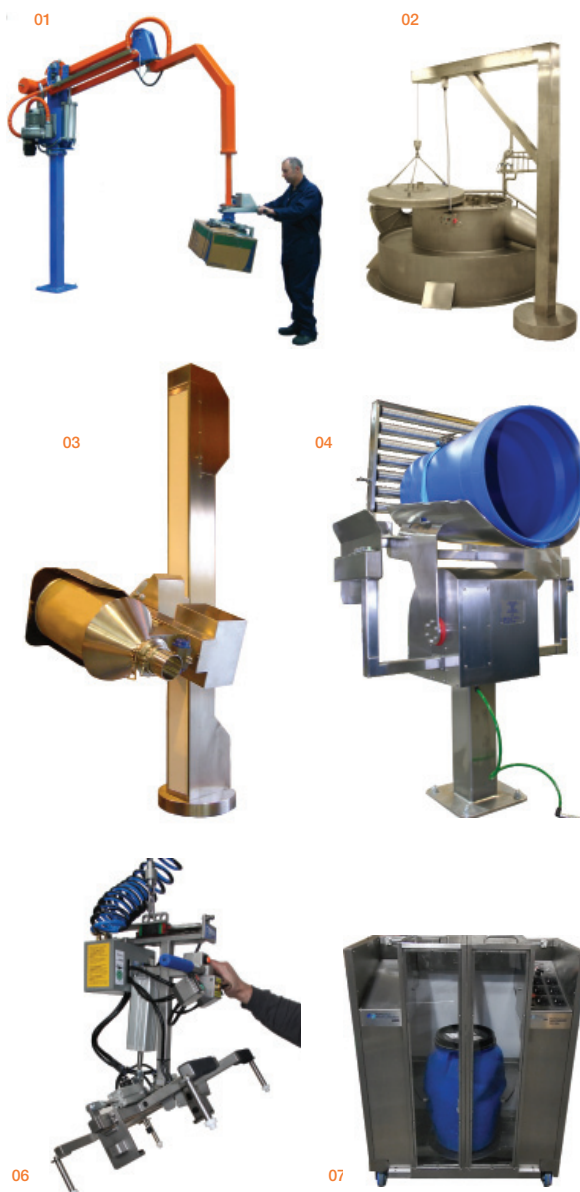
BalanceLift - Pneumatic lifting Cylinder for Ergonomic Load Handling

Loads that previously could only be handled with expensive accessories can now be handled efficiently and ergonomically with the BalanceLift pneumatic vacuum lifter. Thanks to the BalanceLift the operator always maintains an optimal and ergonomic posture when lifting and moving loads of up to 150kg and heights of 4m.

Simple, continuous and precise maneuverability via up/down controls or with the balancer function (without control buttons – the load is balanced automatically ensuring the operator always has perfect control of the load – without any physical effort, and with natural working movements.

Drum Conditioner

The Palamatic drum conditioner has been developed to assist the process infeed or tipping of powdered or granular product in drums which has hardened or settled in storage and transit. Using pneumatics the scissor action style arms progressively squeeze the drum top to bottom in a pre-selected sequence. The hardened product is gently conditioned to allow flow from the drum/container. The drum conditioner also be integrated into a turn-key fully contained drum discharge solution with PLC control.



01
Manipulators

02
PneuLift

03
Post Hoist Systems

04
Drum Tipper

05
Gorbel

06
Balance Lift

07
Drum Conditioner

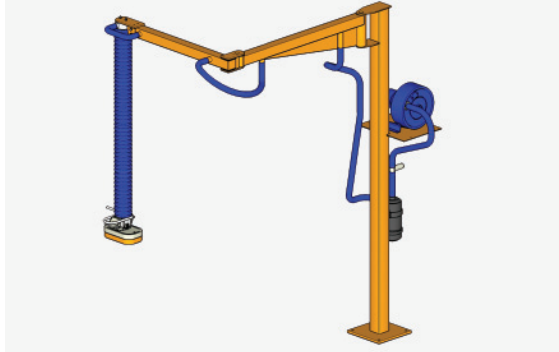
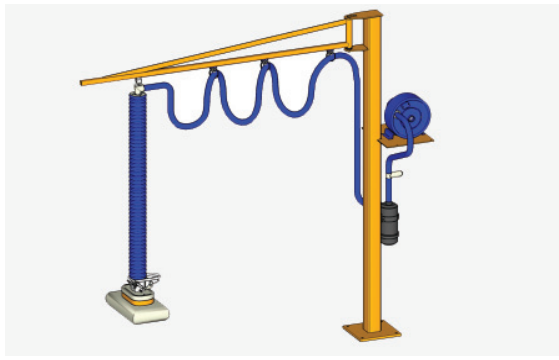
01
Slewing Jib Crane

02
Knuckle Jib Crane

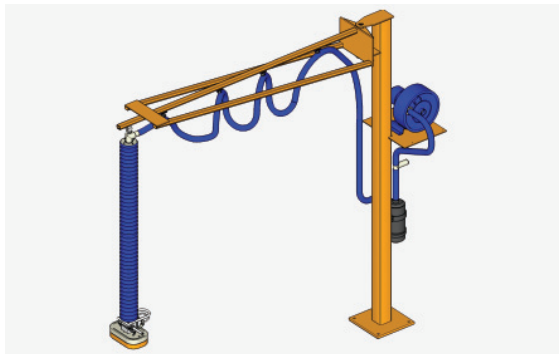
03
Inverted Jib Crane -
for low height areas

04
Bridge Crane suspended
from support columns

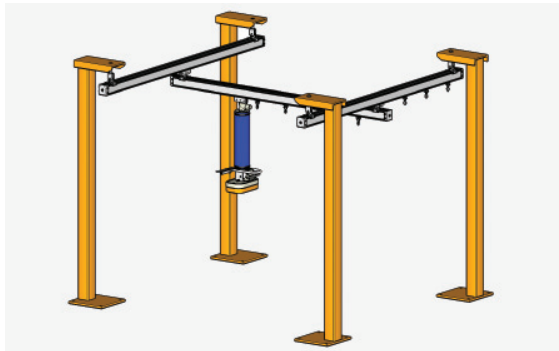
05
Bridge Crane suspended
from cantilevered beams



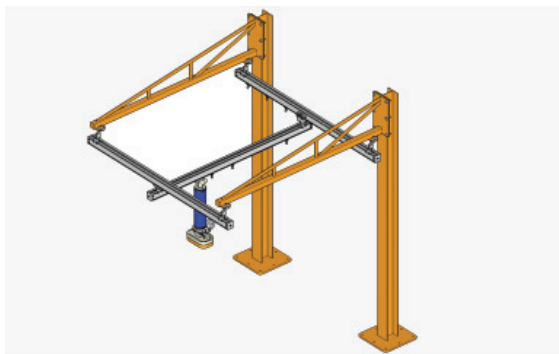
02



03



04



05

To get the most out of your lifting system the crane system has to be matched carefully.

Crane options include:

- Swing jib systems
- Bridge systems – H crane
- Low headroom systems
- Mobile systems
- Knuckle jib systems
- Hygienic stainless steel systems
- Aluminium systems
- Mild steel painted systems

In the design of your crane system

Palamatic considers;

- The need for new build or existing areas
- The optimising of space available
- The process being performed
- The finish required

In most cases a site survey will be carried out to record all site and application details and ensure a trouble-free installation with immediate benefit to our customers.

Working on your site

Palamatic has always been committed to providing clients with first rate customer service. Our dedicated service department was established to provide our valued customers with After Sales Service and Support throughout the lifespan of your handling equipment.

Many years on, our service team are still travelling the Globe maintaining client equipment investments, provide training, advising on the latest product updates or offering equipment refurbishment to meet the clients needs.

Taking up a service contract plan for your equipment gives you peace of mind that your lifting systems are kept safe and fully up to date, dates can be arranged to suit your production requirements which proves more cost effective than a breakdown call out charge and planning in advance can re-deploy your labour to other tasks while the service is being carried out.

Servicing of equipment

Palamatic offer quotations for Servicing of equipment and Service Contract plans including:-

- 1 or 2 visits per year dependant on contract (more if required)
- Visual Inspection of the Gantry/ Crane System to check for obvious defects
- Carrying out a maintenance schedule of work specific to your lifting system.
- Replace spare parts as required or requested by the customer (many are available at the visit from engineer's van stock)
- Re-set the lifting equipment ready for operation
- Testing the lifting equipment for correct functionality
- Please note that SWL tests (testing the safe working load) can be carried out at an additional cost, but are not included as standard.
- A detailed report is completed for your Health and Safety/Maintenance Records

Our Central Site Services Team based in the UK offers:-

- Site surveys
- Installations
- Commissioning
- Training
- Scheduled and non-scheduled service visits
- Upgrades and refurbishment of existing equipment
- Relocation of units around the factory or from site-to-site

Palamatic Approved Service and Spares Centres around the world in key regions also offer similar services including spares stock held locally ensuring rapid response for spares deliveries.

Health and Safety

According to HSE figures, manual handling is responsible for more than a third of all injuries resulting in three or more days absence. More than half of all workdays lost to work-related health problems involve injured muscle, bone or connecting tissue, collectively known as musculoskeletal disorders (MSD). "MSD is the greatest health and safety challenge for Europe".

Over 40 million EU workers are affected by MSD. These injuries (accidents not included) cost employers over 385 million or between 0.5% and 2% of the Gross National Product," a significant burden on the EU economy".

Palamatic have almost 30 years experience in providing ergonomic handling solutions for the workplace in all industries. We are experts in advising you on the best Health and Safety system for your requirements. The following checklist should provide a useful guide when making your selection.

You need to choose a cost effective handling system that will:

1. Eliminate health and safety concerns for the operator in the working environment
2. Prevent product damage
3. Efficiently raise productivity through Increased labour effectiveness
4. Be acceptable to the operator as the user-friendly and effective aid to lifting he/she wants to use.



Bespoke Design Service

The pace of technology and development of materials means our customers are often faced with having to handle recently developed products or components. To help ensure our customers have the right lifting or handling equipment we will test the product and design the most suitable end-effector or gripper to suit the application.

We have test plant facilities in Chesterfield, England and Garner, North Carolina.

Our Approved Distributors and Agents are also able to test products within their facilities and work with our highly qualified engineering team to offer the best proposal wherever you are based around the world.



US Distributor: TnT Handling USA, Inc.

— **Call:** 610-701-6350

— **Fax:** 610-701-6354

— **Email:** info@tnthandling.com

— **View further information or inquire online at**
www.tnthandling.com

