

Mobile TyrePress
Static TyrePress
Goods Lifts
Vehicle Mounted Lifts
Vehicle Mounted Cranes

Tyre Handling Solutions

The new range of
Tyre Handling Products.
Versatile, resilient and cost effective.



PennyHydraulics

Your strength is Our versatility

Welcome to Penny Hydraulics

Penny Hydraulics has been designing and manufacturing bespoke lifting solutions for more than thirty years.

In addition to the wide range of market leading goods lifts, we design and build a complete range of tyre handling products. These include mobile and static tyre presses, vehicle mounted cranes, mezzanine tyre lifts and vehicle mounted lifting platforms.

All Penny Hydraulics products are designed, developed and manufactured to stringent European quality and safety standards at our purpose built UK facility. You are always welcome to visit our operation first hand.

Certification



**For more information about our tyre handling products, please call
01246 811475 or email sales@pennyhydraulics.com**

Servicing Charter

We understand that you need the peace of mind of a planned maintenance programme in order to achieve full compliance with European legislation.

Using our own team of engineers based throughout the country, we offer a choice of extremely cost effective service packages. These include thorough examination and preventative, planned maintenance to ensure reliable service throughout the life of your investment and compliance with statutory legislation.

Additional support is offered in the form of our on site fitting and training services.

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Tyre Handling Solutions

Our customers in the tyre industry are faced with many tyre handling challenges. In response to a diverse selection of tyre changing and lifting demands, a comprehensive range of our products are featured in this brochure.

Our versatile mobile and static tyre presses are built specifically to handle tyre changing requirements either on or off site, with flexible power options available to handle any situation.

In addition, our mezzanine lifts enable tyres to be moved safely and efficiently between two (or more) floors – either inside or outside.

Penny Hydraulics design and build a selection of vehicle-mounted platform lifts and cranes to handle wheels and tyres from 125kg up to two tonnes.

All Penny Hydraulics products are designed and manufactured in the UK.

**Built in Britain,
Built for You,
Built to Last...**



Mobile or static –
whichever suits your needs

Standard 120 tonne



On demand, on site
and flexible power
for any situation

The 120 tonne mobile Tyre Press from Penny Hydraulics is suitable for a wide range of solid and industrial tyres to offer the best possible combination of performance and safety in use. The compact trailer provides quick and efficient on-site support for tyre maintenance and service operations.

Maximum wheel dimensions are 300mm (12in) wide by 850mm (33in) diameter. As standard the press comes with 630mm diameter spider plate complete with short and long spider legs manufactured to the latest British Standard. The press can be specified to run on a 110v or a 240v power supply. A dual voltage option is also available which will run on either 110v or 240v supply and for truly stand alone operations the press is also available with an on board diesel generator.

A Miniloader crane can also be specified to remove the issues associated with the manual handling of heavy tooling, wheels and tyre combinations.



The 120 tonne heavy duty mobile Tyre Press from Penny Hydraulics is designed for tyre maintenance and service operations where the application demands performance and payload beyond the design capability of the standard model. It can be used with solid and industrial tyres up to 380mm (15in) wide to provide complete flexibility to the user. The compact trailer provides quick and efficient on-site support for tyre maintenance and service operations.

The low weight and greater dimensions also means that an additional tool box can be fitted to store essential press tools on the press and therefore increase the vehicle payload for housing stock.

As standard the press comes with 630mm diameter spider plate complete with short and long spider legs manufactured to the latest British Standard. The press can be specified to run on a 110v or a 240v power supply. A dual voltage option is also available which will run on either 110v or 240v supply and for truly stand alone operations the press is also available with an on board diesel generator.

A Miniloader crane can also be specified to remove the issues associated with the manual handling of heavy tooling, wheels and tyre combinations.

Heavy Duty 120 tonne



On demand, on site and flexible power for any situation. Allows maximum tyre stock capability

Medium 120 tonne

Fully installed,
compact and
flexible power
for any situation



The 120 tonne static Tyre Press from Penny Hydraulics is suitable for a wide range of solid and industrial tyres in busy workshops and tyre service depots. It is ideal for maintenance and service applications, where the primary requirement is to manage small to medium sized tyres from 300 x 4's to a maximum of 380mm (15in) wide wheels. Its compact dimensions ensure it provides an ideal solution for the most common tasks without getting in the way of other equipment.

As standard the press comes with 630mm diameter spider plate complete with short and long spider legs manufactured to the latest British Standard. The unique compact design means that the press can be installed in almost any location without taking up too much valuable production space.

A Miniloader crane can also be specified to remove the issues associated with the manual handling of heavy tooling, wheels and tyre combinations.

The Penny Hydraulics website hosts extensive product, technical, support and video resources.

Please visit
www.pennyhydraulics.com

The 150 tonne static Tyre Press from Penny Hydraulics is suitable for a complete range of solid and industrial tyres in busy workshops and tyre service depots. It is ideal for maintenance and service applications where the requirement can range from tyres on small pallet trucks through to the largest lift truck and industrial equipment wheels.

The maximum wheel dimensions are 560mm (22in) wide. As standard the press comes with 915mm diameter spider plate complete with short and long spider legs manufactured to the latest British Standard.

A Miniloader crane can also be specified to remove the issues associated with the manual handling of heavy tooling, wheels and tyre combinations.

We're here to help, call the Penny Hydraulics Service and Sales hotline for assistance and technical information on

01246 811475



Large 150 tonne

Fully installed,
heavy duty
and suitable
for a wide
range of
industrial
tyres

Extra Wide 150 tonne

Fully installed
with extra
width for extra
flexibility.
Suitable for
larger solid and
industrial tyres



The high capacity 150 tonne static Tyre Press Extra from Penny Hydraulics is the largest machine of its type made by the company and is suitable for larger solid and industrial tyres. It is ideal for workshops and tyre service depots who need the capability to service and maintain the widest possible range of tyres and wheels for their customers.

The press capacity of 150 tonnes and extra large aperture dimensions ensure the unit to be used to change almost any solid tyre from 300 x 4's to 1200 x 24's with maximum wheel dimensions of 635mm (25in) wide. As standard the press comes with 915mm diameter spider plate complete with short and long spider legs manufactured to the latest British Standard.

A Miniloader crane can also be specified to remove the issues associated with the manual handling of heavy tooling, wheels and tyre combinations.

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Built to Last...**

Accessories Tyre Press Tooling



Resilient Tool

(for use with spider equipped presses)

Part No.	Size
TPTR8	8 inch
TPTR9	9 inch
TPTR10	10 inch
TPTR12	12 inch
TPTR15	15 inch
TPTR15S	15 inch sml
TPTR20	20 inch



De-mount Rings

Part No.	Size
TPTDM8S	8 inch
TPTDM8L	8 inch large
TPTDM9	9 inch
TPTDM10	10 inch
TPTDM12	12 inch
TPTDM15	15 inch
TPTDMQ12	12 inch quick
TPTDMQ15	15 inch quick
TPTDM20	20 inch



Spider Legs

Part No.	Size
TPSL200	200mm long
TPSL340	340mm long



Pob Stool Tube

Part No.	Size
TPTT1	166mm o/d 300mm length
TPTT2	200mm o/d 300mm length
TPTT3	219mm o/d 100mm length
TPTT4	230mm o/d 300mm length
TPTT5	274mm o/d 100mm length
TPTT6	283mm o/d 300mm length
TPTT7	324mm o/d 200mm length
TPTT8	324mm o/d 350mm length
TPTT9	336mm o/d 100mm length
TPTT10	430mm o/d 100mm length



Pob Stool Disc

Part No.	Size
TPTD1	180mm o/d
TPTD2	237mm o/d
TPTD3	251mm o/d
TPTD4	263mm o/d
TPTD5	304mm o/d
TPTD6	377mm o/d
TPTD7	402mm o/d



Support Base Top

Part No.	Size
TPTSBT1	8 inch
TPTSBT2	9 inch
TPTSBT3	10 inch
TPTSBT4	12 inch
TPTSBT5	15 inch
TPTSBT6	20 inch



Spreader Cones

Part No.	Size
TPTC8S	8 inch
TPTC8L	8 inch large
TPTC9	9 inch
TPTC10	10 inch
TPTC12	12 inch
TPTC15	15 inch
TPTC20	20 inch



Technical Specifications

	120t Mobile Standard Duty	120t Mobile Heavy Duty	120t Static	150t Static	150t Static Extra Wide
Pressing Capacity (tons)	120	120	120	150	150
Maximum Wheel Size (inch) (Check dimensions below)	12	15	15	22	25
Internal Aperture Width (mm)	850	1080	1080	1200	1600
Internal Aperture Height, Bed Plate to Spider (mm)	870	870	870	1000	1200
Bed Width (mm)	600	900	900	1050	1050
Ram Stroke (mm)	400	400	400	850	850
Spider Plate Diameter (mm)	630	630	630	915	915
Overall Height (mm)	2100	2100	2170	3030	3240
Overall Width (mm)	1680	1880	1580	1620	2020
Overall Length - mobile, Depth - static (mm)	3000	3100	600	915	915
Approximate Weight (kg)	1450	1700	1200	3000	4300
Power Supply	240v*	240v*	240v*	415v	415v
Motor Power	1.5kw / 2.2kw	1.5kw / 2.2kw	1.5kw / 2.2kw	7.5kw	7.5kw
Working Pressure, (p.s.i.)	10,000	10,000	10,000	4,500	4,500

Options

- 110v or 240v input
- Dual voltage 110v and 240v
- On-board generation available

TyreLift – the leading solution for tyres, batteries and all automotive stock



The Penny Hydraulics website hosts extensive product, technical, support and video resources.

Please visit
www.pennyhydraulics.com

TyreLift

Car, Truck & Agricultural

Continuous Car Tyre



TyreLift

MezzLift

250-500kg Fully Enclosed & Self Supporting

Can service
3 floors



**MezzLift – The easiest and
most cost effective way to reach
2nd and 3rd level mezzanine floors**

The Penny Hydraulics **MezzLift** offers operators a simple, safe and efficient way to handle loads up to 500kg between two or three floors, in warehouses, stores, factories and workshops.

It can be installed in virtually any location, indoors or out, where there is access to a standard 240V 20A power supply without any need to excavate a floor pit.

The unit can also be constructed as a complete self-supporting structure and with 3 phase power.

We're here to help, call the Penny Hydraulics Service and Sales hotline for assistance and technical information on

01246 811475

Single Wheel Lift solves lifting and re-grooving problems associated with large vehicle tyres.

It has a maximum working load of 125kg with optional MWL upgrades available.

The roll-on/roll-off platform and easy to operate locking device create the ideal tool for re-grooving tyres, outside the vehicle, or inside, away from the elements.

- Maintains unimpeded access
- Hydraulically powered for a smooth controlled operation
- Side and rear door applications
- Minimal impact on vehicle payload
- Remote and static controls

PennyHydraulics

- Design
- Manufacture
- Installation
- Service

Flexible solution for lifting and re-grooving heavy truck and industrial wheels and tyres

LoadLift SWL



StepLift

Maximises internal load space,
minimises manual handling of heavy truck and industrial wheels and tyres



A unique lifting platform that replaces the rear step for loading most types of van.

- External mounting allows unhindered access and means that internal load space can be utilised to its maximum
- Hydraulically powered for a smooth controlled operation
- Standard 250kg MWL with optional upgrades available
- Minimal reduction in vehicle payload
- Remote and static controls
- In-cab isolator and warning buzzer
- Hydraulic overload protection

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Built to Last...**

SideLift

A safe, efficient way
of providing roadside
assistance and speeding
up kerbside deliveries

Designed for vehicles weighing 3.5 GVW and above, SideLift 250 enables deliveries to be made directly onto the kerbside, dramatically reducing the space required to park and enabling more even distribution of the load, thereby reducing route planning time and risks of axle overload. Importantly, SideLift also eliminates risk associated with working at the rear of the vehicle on busy carriageways.

- Hydraulically powered for a smooth controlled operation
- 12v or 24v versions available
- Minimal reduction in vehicle payload
- Handles loads up to 250kg
- Remote and static controls
- In-cab isolator and warning buzzer
- Hydraulic overload protection

The Penny Hydraulics website hosts extensive product, technical, support and video resources.

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TailLift EL500

Light on weight, heavy on features – great for truck and agricultural tyres



A lightweight and compact lifting platform for loading pickups and dropside vehicles.

- Low self weight maximises payload
- Standard 500kg MWL
- No under-slung columns, ropes or chains
- Cantilever action means standard tow bars can be fitted
- A wide range of platform materials are available including steel, mesh and aluminium
- A wide range of platform sizes tailored to suit your requirements, including folding platforms

PennyHydraulics

- Design
- Manufacture
- Installation
- Service

A lightweight and compact lifting platform for loading 4x4 pickups and Land Rovers.

- Excellent off-road ground clearance
- Specifically designed to suit pickup and dropside 4x4 vehicles
- No under-slung columns, ropes or chains
- Cantilever action means standard tow bars can be fitted
- Low self-weight maximises payload
- Standard 500kg MWL
- A wide range of platform materials are available including steel, mesh and aluminium
- A wide range of platform sizes tailored to suit your requirements, including folding platforms

TailLift EL4x4

Redefining off-road tyre changing. Great for truck and agricultural tyres



We're here to help, call the Penny Hydraulics Service and Sales hotline for assistance and technical information on

01246 811475

SwingLift F500

Simple, versatile and compact – ideal for large, unmanageable loads up to 500kg



A compact, 500kg capacity electric crane for pickups, dropsides and flatbeds.

- Lifts 500kg in all configurations of boom position
- Remote control
- Overload protection
- Compact design folds away when not in use
- Low crane weight from approximately 73kg
- Manual boom extension with three height settings
- Easily installed at our own premises, on site or by a vehicle body builder

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**Built in Britain,
Built for You,
Built to Last...**

The new SwingLift FV500 has hydraulic slew, boom raise, lower and extension for controlled, precise and safe handling. It's 500kg capacity hoist allows vertical below-ground handling.

- Ideal for van and chassis applications
- Low crane weight, maximising payload
- Compact design, integral oil tank and motor pump unit maximises load space
- Remote control as standard
- Electric winch for below ground applications
- Built in overload protection as standard
- Lifts 500kg in all boom positions

PennyHydraulics

- Design
- Manufacture
- Installation
- Service

SwingLift FV500

Fully automated, versatile
and compact – ideal for
large, unmanageable
loads up to 500kg



SwingLift FV1200



Fully automated, extensive reach and high lift capacity – essential for large crane and agricultural tyres up to 1200kg



The new SwingLift FV1200 is a fully hydraulic 1200kg capacity vehicle mounted crane. With a boom reach of 4.3 metres it is designed for a wide range of load handling applications. Its compact design, robust construction and light weight ensure the FV1200 can be installed on a wide range of 3.5t+ commercial vehicles to provide reliable and flexible load handling capabilities.

- Low crane weight, maximising payload
- Compact design, integral oil tank and motor pump unit maximises load space
- Remote control or proportional control valves as standard
- Overload protection built in as standard
- Easily installed at our factory or by an approved Penny Hydraulics converter
- A wide range of specifications are available to suit individual requirements

The Penny Hydraulics website hosts extensive product, technical, support and video resources.

Please visit
www.pennyhydraulics.com

Combining great value for money with required safety features all as standard including load limiting devices, load limit indicator and choice of remote or proportional control.

- Low crane weight, maximising payload
- Compact design – folds down to king post, maximising floor space
- Integrated, fully enclosed oil tank and motor pump unit with easy access for servicing
- Fully controlled hydraulic slewing
- Two extensions with hydraulic operation
- Easily installed at our factory or by an approved Penny Hydraulics converter

SwingLift V20

The versatile lightweight
for heavyweight lifting –
the only crane for
super sized tyre loads



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information on

01246 811475

Service & Sales

It is essential for peace of mind and the continued safe use of Penny Hydraulics Lifts that statutory examinations are carried out alongside the manufacturer's scheme of maintenance. We offer a combined service and examination package in accordance with LOLER, provided by our own nationwide team of skilled engineers.

The key benefits of a Penny Hydraulics service contract include...

- **Statutory inspections & tests completed on time**
- **Maintenance completed to manufacturer's specification**
- **OEM spares available ex-stock**
- **Minimum downtime**
- **High first time fix rate**
- **Nationwide coverage**

Service Helpline

Telephone: **01246 811475**

Email: service@pennyhydraulics.com



Sales Helpline

Telephone: **01246 811475**

Email: sales@pennyhydraulics.com

Sales Representatives

We have representatives covering all of the UK and Ireland – please contact the one nearest to you with any sales enquiries.

Martin Oke – Area Sales Manager
(Northern England & Scotland)

Mobile: **07776 296114** Email: martin@pennyhydraulics.com

Rob Thomson – Area Sales Manager
(Southern England & Ireland)

Mobile: **07776 296115** Email: rob@pennyhydraulics.com

Derek Mashford – Sales Consultant
(Devon & Cornwall)

Mobile: **07714 381492** Email: derek.mashford@btopenworld.com

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www.pennyhydraulics.com

Clients & Testimonials



“ Penny Hydraulics are not like other companies. They don't have off-the-shelf products and instead took our views on board and worked with us to develop the Lift.

Simon White

Network Contract Commission Manager, **Atkins Somerset**

“ We have safer and better working practices.

We are also able to send one engineer and one set of tools to each job which is more efficient and productive. But the payback we have achieved is incidental because above all else I wanted our engineers to be safe.

It's now become an operation which can be done safely by one man. It is safe and it's legal. If you give people the right tools they'll do their job more effectively.

David Saul

Project Manager, **Tomra Systems**

“ We look to cranes to reduce manual handling and decided on day one to fit the Swing Lift to all of our vehicles because it was the right thing to do to cover the basic manual handling tasks.

Ian McGivney

Operations Manager, **MGWSP**

“ We wanted a supplier with the tyre handling products and nationwide support to match our own operations. Nobody has the combination of product and support offered by Penny Hydraulics.

“ ATS Euromaster is very health and safety conscious and we always specify equipment to help and protect employees in the work place. Mechanical lifting is the way to go. The best type of van for the job is enclosed and the Penny Hydraulics Single Wheel Lift is the ideal product for that type of vehicle.

Tim Richards

Group Vehicle and Equipment Manager, **ATS Euromaster**

“ We are very pleased with the vehicle and it has been really useful for supporting our site services.

“ We wanted a vehicle and crane that could be supplied as a single package and this is what Penny Hydraulics was able to do for us.

Gary Wright

Property Services Manager, **Meadowhall Shopping Centre**

“ It is a very simple crane with the weight capacity we need and it fits the bill.

“ Penny Hydraulics worked with us to devise a solution and we were very comfortable working with a company with a forté in this area.

Mark Hammett

Fleet and Compliance Manager, **SWR**

Tyre Industry Solutions

Call us on **01246 811475** for a **Site Assessment**
or to arrange a **FREE, NO OBLIGATION** Demonstration.

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PennyHydraulics

Your strength is Our versatility