



Product  
Brochure

---

**Contents**

**DRUM TROLLEYS**

- 02 Universal Drum Trolley
- 03 Barrel Trolley, Screw Top Drums

**DRUM DOLLIES**

- 04 Industrial Drum Dolly
- 05 Circular Drum Dolly

**DRUM CRADLES**

- 06 Drum Dispensing Cradle
- 06 Drum Rollover Cradle

**DRUM LIFTERS**

- 07 Manual Drum Lifter
- 08 Side-Shift Drum Lifter
- 09 Corner Drum Lifter
- 10 Euro Pallet Hydraulic Drum Lifter
- 11 Counterbalance Drum Lifter
- 12 Counterbalance Drum Stacker
- 13 Drum Lifter Dispenser
- 14 Power Drive Counterbalance Drum Lifter
- 15 Drum Lifter Weighing System
- 16 Stainless Steel Corner Drum Lifter
- 17 Stainless Steel Side-Shift Drum Lifter
- 18 Stainless Steel Counterbalance Drum Lifter
- 19 Stainless Steel Power Drive Counterbalance Drum Lifter

**DRUM ROTATORS AND TIPPERS**

- 20 Universal Drum Rotator Manual
- 22 Universal Drum Rotator Electric
- 24 Universal Drum Rotator Pneumatic
- 26 Power Clamp Drum Rotator
- 28 Power Drive Drum Rotator
- 30 Stainless Steel Universal Drum Rotator
- 32 Stainless Steel Power Clamp Drum Rotator
- 34 Stainless Steel Power Drive Drum Rotator

**OVERHEAD DRUM ROTATORS**

- 36 Overhead Drum Rotator
- 37 ATEX Overhead Drum Rotator, Wireless Weigh Scale

**DRUM MIXERS AND TUMBLERS**

- 38 End-over-End Drum Mixer
- 39 End-over-End Drum Mixer, ATEX
- 40 End-over-End Jerry can Mixer
- 41 Horizontal Small Drum Mixer

**STACKER TRUCKS**

- 42 Pedestrian Stacker Truck, ATEX
- 43 Telescopic Pedestrian Stacker Truck, ATEX
- 44 Power Drive Stacker Truck, ATEX
- 45 Stacker Truck Tilting Forks, ATEX
- 46 Stacker Truck Weigh Scale System

**MISCELLANEOUS**

- 47 IBC Tilter
- 48 Drum Lever Bars for 200-Litre Steel Drums

**CYLINDER TROLLEYS AND LIFTERS**

- 48 Medical Gas Cylinder Trolley
- 49 Gas Cylinder Trolley
- 50 Gas Cylinder Trolley with Lifting Wires
- 50 LPG Gas Cylinder Trolley
- 51 Gas Cylinder Lifter
- 52 Counterbalance Gas Cylinder Lifter
- 53 Gas Cylinder Lifter & Rotator

**BESPOKE FEATURES**

- 54 Optional features
- 55 ATEX explained
- 56 Our bespoke process

**Made in the UK**



**Our process**

At STS we specialise in supplying high-quality drum handling solutions, with unique designs driven by customer requirements. Whether you're interested in an off-the-shelf item or a bespoke solution, we're here to help.



**Understanding your needs**

Call our experienced product team who will guide you through our range of manual handling equipment. We understand company health and safety requirements and will be happy to discuss your application.



**Developing the solution**

If you need a custom drum handling unit for a particular problem, our product team will put together a detailed specification, which is passed on to our design team. Qualified STS engineers then draw up the best solution for you, reviewing designs through a multi-tier checking system before beginning manufacture.



**Manufacturing your product**

We manufacture all of our equipment here in the United Kingdom, using only quality component parts. This ensures unit conformity and long-term durability in the field.



**In-depth product testing**

Working to industry standards, we test our units with static and dynamic loads. When it comes to durability, STS products are the strongest on the market, lasting decades and ensuring survivability in harsh work environments.



**Supporting you**

Long after we deliver your product, our technical personnel are on standby to offer any support you need. We can provide guidance on unit operation, unit maintenance as well as future handling requirements.



# Universal Drum Trolley

## DTC01

The most adaptable drum trolley on the market. With our ergonomic design, you can easily and safely move drums weighing up to 350kg and ranging from 50 to 220 litres in capacity.

### Award-winning design

Using unique geometry, our innovative mechanism positions the wheels directly beneath the load. Whether you are lifting a 50kg barrel or a 350kg drum, input force is always below 20kg, making this one of the safest drum trolleys on the market.

### Adjustable catch assembly

The catch vertically adjusts for maximum flexibility and a range of hook positions allow you to connect to many different drums, from 50 to 220 litres.

### Balanced load

By positioning the centre of gravity directly over the wheels, this trolley gives you ultimate stability and control when transporting drums.

### Stainless-steel construction

Constructed from corrosion-resistant stainless steel, our trolleys are used across the manual handling industry and are long lasting in harsh environments.

### Chemical-resistant wheels

Every wheel has precision bearings for superior performance. We use low rolling resistance elasticated rubber tyres or anti-static polyurethane tyres on the ATEX model.

### Optional features

Ex ATEX option



# Barrel Trolley for Screw Top Drums

## DTC02

Designed for screw top and other plastic barrels, this barrel trolley has been designed to cater for unusual barrel types found within industry. This trolley makes the handling of heavy barrels both safe and easy.

### Rubber pad design

Unlike traditional oil drums, plastic screw top drums do not have a defined top lip to grip on to for this reason we use a strap on the DTC02 instead of a drum gripper. We supply this barrel trolley with a set of rubber-lined pads. The pads along with the ratchet and strap securing system grip the drum, securing it in place.

### Ratchet and securing strap

A heavy-duty 50mm stainless-steel ratchet and polyester webbing strap are fitted to the barrel trolley. Once the trolley is positioned next to the barrel, simply adjust the strap length and tighten securely around the container.

### Balanced load

By positioning the centre of gravity over the wheels, this trolley gives you ultimate stability and control when transporting drums. This makes the unit safe and easy to use.

### Stainless-steel construction

All our barrel handling trolleys are manufactured from corrosion-resistant stainless steel (304-grade). By using only the finest materials and manufacturing techniques we ensure each trolley outperforms and outlasts all other trolleys on the market.

### Optional features

Ex ATEX option



# Industrial Drum Dolly

DDL200  
DDL200-SS

Our drum dolly with handle is suitable for moving drums of up to 220 litres around the workplace. We offer a steel powder-coated model as well as a stainless-steel model for food and pharmaceutical facilities.

### High-quality wheels

This model has 100mm fixed front wheels and 100mm rear braked castors. When you leave the drum dolly in a static position, the rear braked castors can be engaged to ensure the dolly remains in position.

### Fixed handle

Positioned at an ergonomic height, the fixed handle allows you to easily and comfortably move drums around your facility.

### Chemical-resistant wheels

Every wheel has precision bearings for superior performance. We use low rolling resistance polyurethane tyres including anti-static variants on the ATEX-rated model.

### Drum suitability

You can use this drum dolly to transport a wide variety of drum types, shapes and sizes. The drum dolly can be used for moving drums of up to 600mm in diameter.

### Stainless-steel option

When needed we can supply corrosion-resistant stainless-steel dollies. These are particularly well suited to clean environments such as in food and pharmaceutical companies.

### Optional features

⊕ ATEX option

● Stainless-steel model



# Circular Drum Dolly

DDL01  
DDL01-SS

This drum dolly is suitable for both moving and storing drums of between 160-220 litres. It can be supplied in powdercoated mild steel or in stainless steel for certain clean environments.

### High-quality wheels

This model uses four 100mm diameter braked castors which facilitate easy movement in all directions. When you leave the drum dolly in a static position the rear braked castors can be engaged to ensure the dolly remains in position.

### Chemical-resistant wheels

Every wheel has precision bearings for superior performance. We use low rolling resistance polyurethane tyres including anti-static variants on the ATEX model.

### Drum suitability

You can use this drum dolly to transport a variety of drum types, shapes and sizes up to 600mm in diameter. The dolly can be loaded using one of our drum tippers or drum lifters.

### Stainless-steel option

Our stainless-steel drum dolly is made from 304-grade stainless steel, which is corrosion resistant and can be used in both clean rooms and good manufacturing practice (GMP) environments.

### ATEX

Our entire range of drum dollies can be supplied Ex-certified for use in hazardous zoned environments.

### Optional features

⊕ ATEX option

● Stainless-steel model



# Drum Dispensing Cradle

DCR01

Move 200-litre drums from a vertical to horizontal position with low levels of effort. Purpose-built for decanting steel and plastic drums, this cradle features a movable handle, braked castors, and has a decanting height of 350mm.

**Low operator effort**

The long handle provides operators with leverage to orientate drums weighing up to 300kg ergonomically, with an input load below 25kg.

**Handle storage**

When horizontal, the handle is stored in the base to ensure the cradle remains stable whilst in the decanting position.

**Stainless-steel construction**

Suitable for paint, chemical, and adhesive industries, among others.

**Braked castors for parking**

Front brakes can be used to keep the cradle stationary during dispensing.

**Optional features**

Ex ATEX option



# Drum Rollover Cradle

DCR02

We've designed this unique cradle to move 200-litre drums from vertical to horizontal in a safe manner. It's perfect for positioning drums so that a stacker or forklift truck can lift them and place them into racking.

**Low operator effort**

Comfortably orientate drums weighing up to 300kg using an input force lower than 25kg.

**Unique design/forklift unloading**

Once you've rotated a drum, you can use forked equipment to lift from underneath, removing the drum from the cradle; ideal if you need to place drums into storage racking horizontally.

**Stainless-steel construction**

304-grade stainless steel ensures the unit is long lasting and will not corrode.

**Drum suitability**

We've designed our Drum Rollover Cradle to allow you to handle from 200-220 litre straight-sided drums.

**Optional features**

Ex ATEX option



# Manual Drum Lifter

DTP03

This manual-hydraulic drum lifter is ideal for loading and unloading industrial drums from Euro pallets. The legs straddle around the narrow end of the pallet, making access easy.

**Unique leg design**

This model features straddle legs (850mm internal width) that have been designed to go around a 1200mm x 800mm Euro pallet. The unit has been designed to be both small and light-weight.

**Universal drum catch**

Our stainless-steel universal drum gripping mechanism easily adjusts to connect to a wide range of drums of different types and sizes.






**Vertical height adjustment**

Operators can easily adjust the position of the drum catch, up and down the rack, to accommodate drums of different heights.

**Manual hydraulic pump**

Our hydraulic hand pump mechanism is easy to use, operators simply pump the rear handle up and down to raise the load and then turn a hand-operated valve to lower drums back down to the ground or onto a pallet.

**Optional features**

-  ATEX option
-  Stainless-steel model
-  Variable lift height
-  Variable leg dimensions
-  Load cell weighing system



# Side-Shift Drum Lifter

DTP04

This is the most versatile drum depalletiser on the market. Our unique over-pallet lifter allows you to load and unload an entire pallet of drums from just one side, and the universal catch can connect the unit to a wide range of drums.

### Side-shift lifter body

Fourteen precision bearings smoothly slide the central lifter left and right, giving you straightforward access to the whole pallet. A toggle clamp is used to lock the lifter body into position, allowing for precise control and reducing placement gaps during handling.

### Universal drum catch

Innovative and adjustable, the catch can be easily adapted to suit drums of different types, sizes and materials.

### Vertical height adjustment

Operators can easily adjust the position of the drum catch, up and down the rack, to accommodate drums of different heights.






### Manual hydraulic pump

We fit only the highest quality UK-made pumps to our drum lifters. The pump is easy to operate: simply pump the handle to raise the load and turn a precision valve to lower drums to the ground or onto pallets.

### Chemical-resistant wheels

Every wheel has precision bearings for superior performance. We use low rolling resistance polyurethane tyres including anti-static variants on the ATEX model.

### Optional features

-  ATEX option
-  Stainless-steel model
-  Variable lift height
-  Variable leg dimensions
-  Load cell weighing system



# Corner Drum Lifter

DTP05

This model allows users to load and unload drums from the corner of any pallet. The lifter has a small footprint, is lightweight, and easy to use. We are able to offer this unit in stainless steel as well as ATEX-rated for use in hazardous zoned areas.

### Universal drum catch

The adjustable drum catch can connect to drums of different types, sizes, and materials. Drums of 50-220 litres can be loaded and unloaded from pallets. This catch is unique in the marketplace.

### Vertical height adjustment

Operators can easily adjust the position of the drum catch up and down the rack to accommodate drums of different heights.




### Manual hydraulic pump

The aluminium pump supplies oil to a ram and this system lifts drums when the handle is pumped. A hand-operated lever provides precise control when a drum needs to be lowered to the ground or onto a pallet.

### Chemical-resistant wheels

Every wheel has precision bearings for superior performance. We use low rolling resistance polyurethane tyres including anti-static variants on the ATEX model.

### Optional features

-  ATEX option
-  Stainless-steel model
-  Load cell weighing system



# Euro Pallet Hydraulic Drum Lifter

DTP06

This lifter is designed for moving drums from one Euro pallet to another. The legs of this drum lifter fit beneath the pallet, much like a pallet truck, making it ideal for lifting from the open side of a 800mm Euro pallet.

### Unique leg design

This model has been designed to be both small and compact. The under-pallet legs shown are compatible with Euro pallets that have an opening on the 800mm side, the legs are also suitable for loading onto bunds, platforms and conveyors where there is a gap underneath. The low-level leg design does not allow drums to be placed directly onto the floor.






### Universal drum catch

Our unique drum gripping catch mechanism effortlessly connects to a wide range of drum types and sizes; drums from 50-220 litres can be lifted using this catch.

### Manual hydraulic pump

The aluminium pump supplies oil to a ram and this system lifts drums when the handle is pumped. A hand-operated lever provides precise control when a drum needs to be lowered to the ground or onto a pallet.

### Optional features

-  ATEX option
-  Stainless-steel model
-  Variable lift height
-  Variable leg dimensions
-  Load cell weighing system



# Counterbalance Drum Lifter

DTP08

Our counterbalance lifter eliminates the need for outlying legs; this makes it suitable for use in narrow workspaces. This model can be configured to suit a variety of lift heights and drum weights.

### Universal drum catch

Drums of different types, sizes and materials can be handled using the fully adjustable drum gripper.

### Vertical height adjustment

Operators can easily adjust the position of the drum catch up and down the rack to accommodate drums of different heights.

### Manual hydraulic pump

We assemble our hydraulic systems by hand in our factory, ensuring that each is clean and reliable. Our engineers test and inspect every pump/ram during the manufacturing process.






### Load capacity

Counterweight levels can be adjusted in our factory to suit either 250kg or 350kg safe working loads (SWL); the unit length can also be adjusted.

### Rear-wheel steering

Tiller steering provides a tight turning circle, useful in confined areas. The steering arrangement features a combined park brake to keep the unit stationary when not in use.

### Optional features

-  ATEX option
-  Stainless-steel model
-  Variable lift height
-  Increased SWL
-  Load cell weighing system



# Counterbalance Drum Stacker

DTP08-R1260

This machine enables the stacking of 200-litre drums or the lifting of drums onto platforms or bunds. The counterbalance design eliminates the need for legs at the front of the machine, allowing operators to place drums in hard-to-reach areas.

### Automatic drum catch

Our automatic drum gripper is made from laser-cut stainless steel parts and machined bushes, enabling operators to connect the lifter to various drum types. The gripper can handle steel and plastic drums ranging from 100 to 220 litres.

### Drum stacking

The drum stacker is fitted with a lift system which offers up to 1080mm clearance beneath the drum. This amount of lift height is useful for stacking drums and barrels vertically on top of one another or for loading drums onto tall platforms or stacked pallets.






### Manual hydraulic pump

The pump has been designed to be ergonomic. To lift a drum the operators pump the handle back and forth which raises the height of the ram rod which then lifts the drum.

### Load capacity

We provide both a short model for 250kg drums and a longer model (230mm longer) for handling 350kg drums. If you require a specific capacity, please get in touch.

### Optional features

-  **ATEX option**
-  **Stainless-steel model**
-  **Variable lift height**
-  **Increased SWL**
-  **Load cell weighing system**



# Drum Lifter and Dispenser

DTP08-R1260-DR01

Our manual-hydraulic drum lifter and dispenser is ideal for decanting drums at a low level. The unit comes equipped with a manual band assembly that is suitable for 120-220 litre drums. Additionally, the manual crank handle enables operators to rotate drums sideways through 360°.

### Drum rotator (DR) attachment

The unit is fitted with a contoured band which has rubber blocks fitted to remove any risk of drum slippage. The operator secures the drum in place using a dual ratchet and strap arrangement.

### Sideways rotation

The unit is fitted with a slew-ring gearbox assembly that permits the rotation of drums sideways. The operator can rotate the gearbox and drum using a long stainless steel crank handle. One of the key benefits of this model, compared to our other drum tippers, is its compact footprint and counterbalanced design.





### High-quality wheels

This model is equipped with high-quality polyurethane wheels including precision bearings, ensuring excellent wheel performance even in harsh environments. For optimal use of this unit, we recommend operating it on flat and level ground.

### Rear-wheel steering

The unit is fitted with rear-wheel tiller steering which offers a tight-turning circle. This is useful if you are using the drum dispenser in confined areas.

### Optional features

-  **ATEX option**
-  **Stainless-steel model**
-  **Variable lift height**
-  **Load cell weighing system**



# Power Drive Counterbalance Drum Lifter

DPC01

Increase efficiency and eliminate manual handling with our fully-powered drum lifter. Operators can safely lift and move a wide range of drum types weighing up to 350kg.

### Automatic beak grip

Our drum gripper is designed to grip onto a variety of steel and plastic drums ranging from 100 to 220 litres. Operators can easily manoeuvre the unit towards the drum until the gripper makes contact, then they can raise the gripper and it will automatically clamp onto the top lip of the drum.

### Battery-powered drive system

Our battery-powered drive system is equipped with two 100Ah batteries and an electric drive motor. The efficient AC drive motor is controlled using a rear tiller assembly that combines industry-standard controls with the drum lift and lower functions.




### Counterbalance design

With no legs in front of the lifter, drums can be placed without difficulty on a range of different platforms, including pallets, bunds, conveyors, machines, and dollies.

### Tiller controls

The battery-operated drive system features a rear-mounted, steerable tiller that allows for precise control of the lifter's movement. The tiller includes variable speed control, which is easily adjusted using the throttles. Safety features include an anti-trap switch to protect operators during use and a built-in horn to warn personnel in the vicinity.

### Optional features

-  **Stainless-steel model**
-  **Variable lift height**
-  **Load cell weighing system**



# Drum Lifter Weigh Scale System

We can supply all of our lifters with a highly accurate weighing system that allows for precise batch production operations.

### Why purchase an integrated weighing system?

Manufacturers must meet customers' high expectations for quality products, which makes the ability to consistently produce finished goods critical. With traceability in mind our load cell systems enable you to transform batch production into a precise process when pouring liquids or powders from drums.

### How accurate is the weighing system?

Our weigh scale drum lifters feature an integrated sturdy and durable aluminium load cell. With an accuracy figure of +/- 0.1kg, each drum lifter ensures precise measurement enabling manufacturing processes to be much more accurate and consistent. This helps maintain product quality standards throughout the production process.

### Can this system be used in an ATEX area?

We specialise in providing handling solutions for hazardous environments and offer ATEX-approved load cells and display readouts for our units. These components are designed to measure weight accurately in hazardous zoned environments, ensuring that manufacturing processes remain safe and efficient. Our ATEX weigh scale display is made of stainless steel and can be seen in the bottom left image.

### Would you benefit from a wireless weigh scale system?

In certain cases, it can be beneficial to have access to weigh scale data on a computer or localised IT system. At STS, we offer the option to incorporate a wireless weighing indicator into any of our drum lifters.

A heavy-duty load cell is installed between the lifting mechanism and the drum catch, this measures the weight of the drum and its contents. The load cell reading is shared via a transmitter to either the unit-mounted receiver or a nearby PC base station.

By using the remote display or computer data logging software, operators and factory managers can monitor weights and decanting amounts in real-time. All receivers come equipped with a tare/zero function, which is useful for measuring individual batches of product. This enables greater accuracy and efficiency in batch production operations.



# Stainless Steel Corner Drum Lifter

DTP05-SS

This model is constructed from 304-grade stainless steel with a zinc-plated lift ram. Popular in food and pharmaceutical environments, it has been designed to be reliable and hard-wearing.

### Corner straddle design

With legs mounted at 90°, this versatile unit can approach any pallet from the corner, making it useful in restricted areas where space is limited.

### Universal drum catch

The highly-versatile drum catch can handle all types of plastic (HDPE) drums including L-ring and MAUSER styles. Adjustment is carried out by moving the position of the top hook forward or backward.

### Stainless-steel ladder rack

The drum catch rack is designed with multiple rungs, allowing the catch to be positioned at different heights. Each increase in rack position raises the catch by 130mm, providing flexibility for varying drum sizes. The unit also provides a minimum under-drum lift clearance of 370mm.

### Manual hydraulic pump

Each drum lifter is equipped with a hydraulic pump assembly that supplies hydraulic oil to a zinc-plated lift ram. The pump is enclosed in a sealed shroud to safeguard it against dirt and debris.

### High quality castors

Each unit is fitted with stainless-steel braked castors; wheels are specified to meet the requirements of a range of different industries.

### Optional features

EX ATEX option

KG Load cell weighing system



# Stainless Steel Side-Shift Drum Lifter

DTP04-SS

Constructed from 304-grade stainless steel, this unit is designed for use in pharmaceutical and food production facilities. The unique over-pallet design allows the lifter to move effortlessly over and above the pallet.

### Side-shift lifter body

The lifter body smoothly slides left and right on fourteen precision bearings, providing easy access to the entire pallet. The toggle clamp locks the lifter body in place, enabling precise control and reducing placement gaps during handling.

### Universal drum catch

Innovative and adjustable, the catch can be easily adapted to suit steel and plastic drums from 50 to 220 litres in volume; even HDPE MAUSER drums are easy to handle.

### Stainless-steel ladder rack

The rack allows the catch to be placed at different levels to accommodate drums of different heights; each increase in rack position moves the catch up 130mm. The unit offers a minimum under-drum lift clearance of 370mm.

### Manual hydraulic pump

Each drum lifter comes with a hydraulic pump assembly that provides hydraulic oil to a zinc-plated lift ram. The pump is protected by a sealed shroud to prevent dirt and debris from entering.

### Chemical-resistant wheels

Each unit is fitted with stainless-steel braked castors; wheels are specified to meet the requirements of a range of different industries.

### Optional features

EX ATEX option

Variable lift height

Variable leg dimensions

KG Load cell weighing system



# Stainless Steel Counterbalance Drum Lifter

## DTP08-SS

This drum lifter is a versatile and high-quality solution for lifting drums and barrels with a volume ranging from 50 to 220 litres. Its smooth and clean stainless-steel finish makes it ideal for use in food processing or pharmaceutical applications.

### Universal drum catch

The drum catch is a highly versatile solution for handling a variety of drum types, including tight-head, open-top, L-ring, and MAUSER-style drums. Adjusting the catch setting is effortless with the simple movement of the top hook.

### Stainless-steel ladder rack

The ladder rack serves as the mounting point for the drum gripping catch at the front of the drum lifter. This allows for easy adjustment of the catch to accommodate drums of varying heights by fixing it in different positions. The catch can be moved up and down with ease, making it possible to use a single unit for all drum lifting tasks.





### Manual hydraulic pump

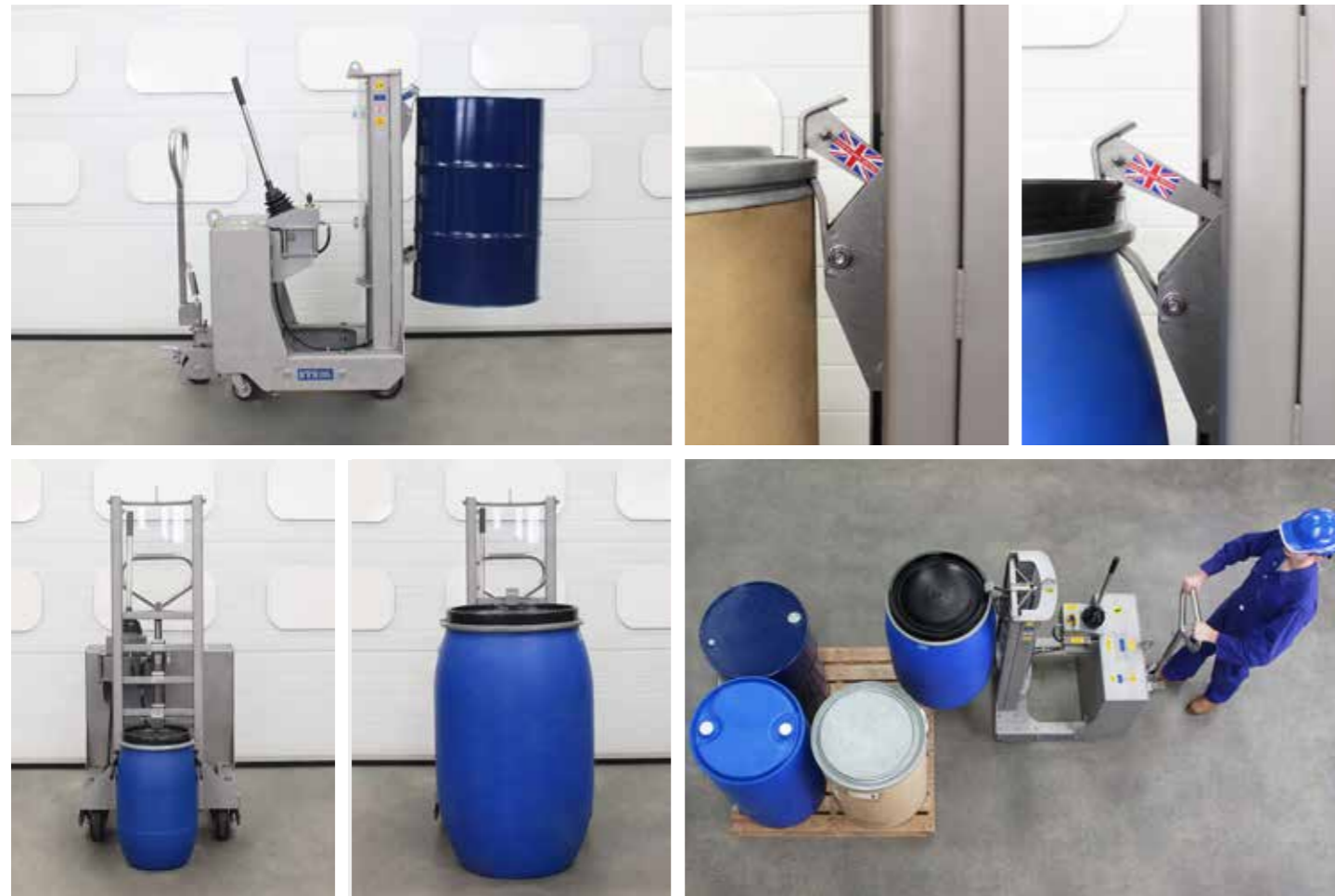
The hydraulic pump assembly is enclosed in a stainless-steel shroud, providing protection against dirt and debris. To operate the pump, the user can manually pull back and forth on the upright lever.

### High quality wheels

These units come equipped with durable polyurethane tyres and stainless-steel braked castors. The castors use precision bearings, ensuring smooth and easy movement. For our ATEX-rated models, we fit anti-static tyres to ensure that any static build-up is dissipated. This adds an extra level of safety in hazardous environments.

## Optional features

-  **ATEX option**
-  **Variable lift height**
-  **Increased SWL**
-  **Load cell weighing system**



# Stainless Steel Power Drive Counterbalance Drum Lifter

## DPC01-SS

Increase efficiency and eliminate manual handling with this fully-powered drum lifter. This model has been designed to safely and efficiently lift and move a wide range of drum types weighing up to 350kg.

### Automatic beak grip

The gripper can attach to a variety of steel and plastic drums from 100-220 litres. Operators drive the unit to the drum, raise the gripper and it automatically clamps onto the drum's top lip.

### Battery-powered drive system

Our battery-powered drive system comprises two 100Ah batteries and an electric drive motor. The efficient drive motor is controlled using a rear tiller assembly, which combines industry-standard controls as well as the drum lift and lower functions.



### Counterbalance design

With no legs in front of the lifter, drums can be placed without difficulty on a range of different platforms, including pallets, bunds, conveyors, machines, and dollies. Our counterbalance drum lifter can be specified for different drum weights by adding additional counterweight.

### Tiller controls

Our battery-powered drum lifter is controlled using a steerable tiller at the rear of the unit. The speed can be adjusted using the throttles on the tiller, while an anti-trap switch ensures operator safety. The unit also includes a built-in horn to alert personnel in the surrounding area.

## Optional features

-  **Variable lift height**
-  **Load cell weighing system**



# Universal Drum Rotator Manual

STM01-DRU01

This manual-lift model provides operators with an ergonomic drum handling solution for low-use applications. Alternatively, we can supply powered electric or pneumatic models.

### Manual hydraulic pump

The base of the tipper contains two small hydraulic pumps that allow for easy lifting of a drum. To lift a drum the operator simply pumps the rear handle back and forth which raises the lift ram. The low amount of force required to pump the rear handle means the unit is very safe and easy to use.

### Universal drum band

Our universal band assembly has been designed to adapt to the contours of any drum. Steel, plastic and fibreboard drums from 50 to 220 litres can be handled; as such the band is popular with companies using a range of different drum types.

### Rim-clamp securing system

Each drum rotator is supplied with a rim-clamp device that connects to the top lip of the drum. This prevents any drum slippage within the head assembly; it is particularly useful when handling smooth-sided plastic drums.

### Self-locking gearbox

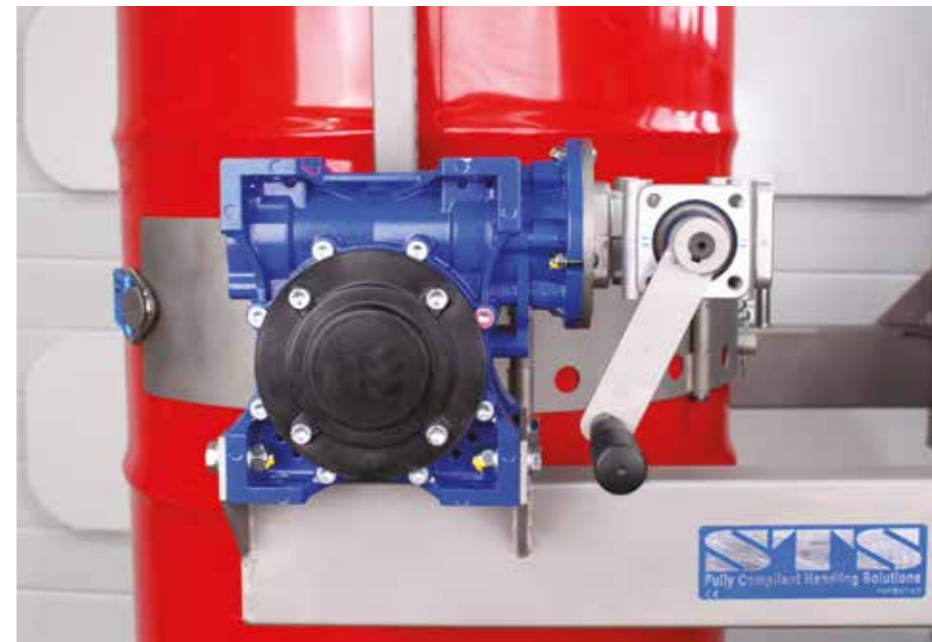
The rotator unit comes equipped with a self-locking rotational gearbox that enables easy rotation of drums weighing up to 350kg. The gearbox has a final ratio of 120:1, making it simple to rotate the drums, while also preventing any unintended self-rotation of the drum.

### ATEX certified for zoned areas







We offer ATEX-rated manual-hydraulic drum rotators suitable for use in Zone 1, 2, 21, and 22 environments. Our "Ex" units are designed to ensure electrical continuity and comply with the ATEX Directive, providing a safe and reliable solution for hazardous environments.

### ATEX features

When an 'Ex' drum rotator model is required we provide additional safety features such as anti-static wheels, anti-static polycarbonate guarding, and earthing chains to dissipate any static charges. Additionally, we ensure that all parts have electrical continuity for maximum safety.



## Optional features

-  ATEX option
-  Stainless-steel model
-  Variable leg dimensions
-  Fixed-size drum band
-  Load cell weighing system
-  Small drum insert

# Universal Drum Rotator Electric

STE01-DRU01

Our electric drum rotator utilises on-board batteries along with a built-in smart battery charger. The unit is self-contained and mobile, making it great for large production facilities.

### Fully compliant lift circuits

The safety of our customers and their operators is of utmost importance to us. That's why we install mandatory safety features and emergency stops on all of our products to ensure that they comply with safety standards and regulations.

### Tipping heights

This model is designed with hot-rolled steel channels and precision carriage bearings to enable drum tipping at 1.5 metres, and we also offer a telescopic version for tipping up to 2.7 metres.

### Universal drum band

Our stainless steel drum band is a unique solution in the drum-handling industry, allowing you to handle drums ranging from 50 to 220 litres, made of steel, plastic, or fibre. Just adjust the variable band to the drum size and secure it with the ratchet and polyester strap.

### Rim-clamp securing system

The drum rotator's rim-locking device adds a second security measure by attaching to the top lip of the drum. This allows the Universal Drum Rotator to safely handle a wide range of drums, including some that cannot be handled by other equipment on the market.

### Self-locking gearbox


We incorporate a high-quality self-locking rotational gearbox into all our drum rotator models, which ensures that the drums are always under control and never self-rotate during use. With a final ratio of 120:1, the rotation is effortless.

### Controllable rear-wheel steering

Ackermann style rear-wheel steering provides superior directional control when tipping drums into your process. Our models come with 160mm diameter wheels containing two precision bearings, as well as park brakes for added safety.



## Optional features

-  Stainless-steel model
-  Powered drum clamp
-  Powered drum rotation
-  Power drive system
-  Telescopic/variable lift height
-  Variable leg dimensions
-  Fixed-size drum band
-  Load cell weighing system
-  Small drum insert

# Universal Drum Rotator Pneumatic

## STP01-DRU01-Ex (ATEX)

This drum tipper is pneumatic powered and can be certified for use in an ATEX area. The unit is extremely versatile as it can lift and tip a variety of drum types and sizes.

### Air-powered functions

The pneumatic-hydraulic pump is powered by an airline connection and therefore a pre-installed compressor ring-main is required to power this machine. It operates optimally with an air supply of 6 Bar at 760L/min. The pneumatic system only requires a minimal amount of maintenance making it well-suited to intensive drum tipping operations.

### Universal drum band

Our drum rotators are available with a variable or fixed drum band. The universal drum band can be adjusted to fit drums from 50 to 220 litres, while the over-centre fixed band is designed for 200- to 220-litre steel and plastic drums.

### Self-locking gearbox

Each drum rotator model comes equipped with a durable self-locking rotational gearbox, providing maximum control during operation. The 120:1 final ratio makes it easy to rotate the drum and prevents self-rotation.

### Controllable rear-wheel steering

Responsive steering is crucial when handling drums containing solvents or chemicals. Our drum rotators feature rear-wheel Ackermann-style steering that is controlled by a tiller. This allows for precise and easy control with reduced turning resistance.

### ATEX certified for zoned areas

We offer ATEX drum rotators for use in Zone 1, 2, 21, and 22 environments, designed to ensure electrical continuity and compliant with the ATEX Directive. Our experience with many companies handling flammable materials enables us to understand their needs and provide suitable equipment. Documentation proving compliance is supplied with each piece of equipment.

### ATEX features

We equip our 'Ex' drum rotator models with anti-static wheels, anti-static polycarbonate guarding, and earthing chains to dissipate any static charges.



## Optional features

-  ATEX option
-  Stainless-steel model
-  Powered drum clamp
-  Powered drum rotation
-  Power drive system
-  Telescopic/variable lift height
-  Variable leg dimensions
-  Fixed-size drum band
-  Load cell weighing system
-  Small drum insert

# Power Clamp Drum Rotator

**STE01-RRH01**  
**STP01-RRH01-Ex (ATEX)**

The ultimate in versatility, this power clamp drum tipper can lift and tip drums from 50 to 220 litres. We offer two hydraulic-powered options: battery electric or pneumatic (air).

### Lift options

Two power configurations are available. The first option is the electric-hydraulic STE01 which features on-board batteries that are charged via a mains power supply between uses. The second option is the pneumatic-hydraulic STP01 which requires an airline connection to supply the unit with hydraulic power through a pneumatic pump. This model can be ATEX certified for use in hazardous environments.

### Fully compliant circuits

Ensuring safety is our top priority, and as such, we equip all of our products with mandatory safety features and emergency stops. Our power-clamp drum tipper models come with burst valves, a safety limit switch, and a clamp pressure gauge.

### Controllable rear-wheel steering

Ackermann-style rear-wheel steering gives you maximum directional control when tipping drums into your process. The wheels are 160mm in diameter and contain precision bearings.

### Powered drum clamp and rotation

The power clamp drum tipper allows operators to manoeuvre the unit up to the drum, securely clamp the pads around the drum's circumference, lift the drum, and then tip its contents. The powered functions of the unit save time, making it a popular choice for high-throughput applications.

### Clamping pad design








The flexible PVC/polyester pads are anti-static and accommodate a wide range of drum diameters from 280mm to 600mm. An added benefit is that these pads allow drums to be taken from the corner of a pallet.

### ATEX certified for hazardous areas

We offer ATEX compliant drum tipping equipment for use in explosive or potentially explosive atmospheres. Our ATEX drum tippers are designed to ensure electrical continuity and always provide a path to ground. We supply a Declaration of Conformity stating compliance with the ATEX Directive.



## Optional features

-  ATEX option
-  Stainless-steel model
-  Power drive system
-  Telescopic/variable lift height
-  Variable leg dimensions
-  Load cell weighing system
-  Inserts for soft plastic drums



# Power Drive Drum Rotator

STE05-RRH01  
STP05-RRH01-Ex (ATEX)

Our fully powered drum tipper with power clamp is popular with companies that want to increase efficiency and eliminate manual handling risks. We can supply the unit as an electric model that utilises on-board batteries, or a pneumatic model which can be certified for ATEX areas.

### Power drive system

Each power drive model is designed and manufactured in-house at STS. The electric units are equipped with a DC drive motor and are suitable for non-ATEX areas, providing an efficient solution to drum handling.

On the other hand, we also offer pneumatic units which operate with an airline-powered pneumatic circuit, eliminating the need for electrical components and allowing for ATEX certification.

### Tiller controls

This heavy-duty drum tipper features a power drive system that can be controlled from the rear via a steerable tiller. To ensure precise placement of drums, the drive speed is variable and can be adjusted by the operator. For added safety, the rear tiller also includes features such as a horn and anti-trap switch.

### Powered clamp and rotation

The power clamp drum tipper allows operators to manoeuvre the unit up to the drum, securely clamp the pads around the drum's circumference, lift the drum, and then tip its contents. The powered functions save time, making it a popular choice for high-throughput applications.

### Clamping pad design







The flexible PVC/polyester pads are anti-static and accommodate a wide range of drum diameters from 280mm to 600mm. An added benefit is that these pads allow drums to be taken from the corner of a pallet.

### ATEX certified model

We offer ATEX compliant drum tipping equipment for use in explosive or potentially explosive atmospheres. Our ATEX drum tippers are designed to ensure electrical continuity and always provide a path to ground. We supply a Declaration of Conformity stating compliance with the ATEX Directive.



## Optional features

-  ATEX option
-  Stainless-steel model
-  Telescopic/variable lift height
-  Variable leg dimensions
-  Load cell weighing system
-  Inserts for soft plastic drums

# Stainless Steel Universal Drum Rotator

STE01-DRU01-SS  
STP01-DRU01-SS-Ex (ATEX)

This model is manufactured using 304-grade stainless steel, making it an ideal option for industries such as food and pharmaceuticals where cleanliness is of utmost importance.

### Fully compliant lift circuits

We offer both electric and pneumatic models of our drum tippers, both of which come equipped with mandatory safety features such as emergency stops to ensure the safety of operators.

### Stainless steel materials

The chassis of this drum tipper is built using hot-rolled stainless steel channels, making it strong and durable. Stainless steel parts are polished mechanically or aqua-blasted using a process that involves aluminium oxide and glass bead blasting. The lift ram is zinc-coated, and the gearbox is made of aluminium and covered with stainless steel to ensure maximum protection.

### Universal drum band

Our drum rotators are available with a variable or fixed drum band. The universal drum band can be adjusted to fit drums from 50 to 220 litres, while the over-centre fixed band is designed for 200- to 220-litre steel and plastic drums.

### Self-locking gearbox

Each drum rotator model comes equipped with a durable self-locking rotational gearbox, providing maximum control during operation. The 120:1 final ratio makes it easy to rotate the drum and prevents self-rotation.

### Controllable rear-wheel steering

Ackermann style rear-wheel steering provides superior directional control when tipping drums into your process. Our models come with 160mm diameter wheels containing two precision bearings, as well as park brakes for added safety.

### ATEX certified model

We offer ATEX compliant drum tipping equipment for use in explosive or potentially explosive atmospheres. Our ATEX drum tippers are designed to ensure electrical continuity and always provide a path to ground. We supply a Declaration of Conformity stating compliance with the ATEX Directive.



## Optional features

-  ATEX option
-  Powered drum clamp
-  Powered drum rotation
-  Power drive system
-  Telescopic/variable lift height
-  Variable leg dimensions
-  Fixed-size drum band
-  Load cell weighing system
-  Small drum insert

# Stainless Steel Power Clamp Drum Rotator

STE01-RRH01-SS  
STP01-RRH01-SS-Ex (ATEX)

The ultimate in versatility, this power clamp drum tipper can lift and tip drums and barrels from 50 to 220 litres. We offer two hydraulic-powered options: electric or pneumatic.

### Fully compliant circuits

We offer both electric and pneumatic models of our drum tippers, both of which come equipped with mandatory safety features such as emergency stops to ensure the safety of operators.

### Stainless steel materials

The chassis of this drum tipper is built using hot-rolled stainless steel channels, making it strong and durable. Stainless steel parts are polished mechanically or aqua-blasted using a process that involves aluminium oxide and glass bead blasting. The lift ram is zinc-coated, and the gearbox is made of aluminium and covered with stainless steel to ensure maximum protection.

### Powered clamp and rotation

The power clamp drum tipper allows operators to manoeuvre the unit up to the drum, securely clamp the pads around the drum's circumference, lift the drum, and then tip its contents. The powered functions save time, making it a popular choice for high-throughput applications.

### Clamping pad design

The flexible PVC/polyester pads are anti-static and accommodate a wide range of drum diameters from 280mm to 600mm. An added benefit is that these pads allow drums to be removed from the corner of a pallet.

### Controllable rear-wheel steering



Ackermann style rear-wheel steering provides superior directional control when tipping drums into your process. Our models come with 160mm diameter wheels containing two precision bearings, as well as park brakes for added safety.

### ATEX certified model

We offer ATEX compliant drum tipping equipment for use in explosive or potentially explosive atmospheres. Our ATEX drum tippers are designed to ensure electrical continuity and always provide a path to ground. We supply a Declaration of Conformity stating compliance with the ATEX Directive.



## Optional features

-  ATEX option
-  Power drive system
-  Telescopic/variable lift height
-  Variable leg dimensions
-  Load cell weighing system
-  Inserts for soft plastic drums

# Stainless Steel Power Drive Drum Rotator

STE05-RRH01-SS  
STP05-RRH01-SS-Ex (ATEX)

This stainless steel fully powered drum tipper is popular within the food and pharmaceutical sectors. It suits those who wish to increase efficiency and eliminate manual handling. We can supply the unit with electric-hydraulic functions or pneumatic-hydraulic functions for ATEX areas.

### Power drive

Our power drive models, available as electric or pneumatic, are designed and manufactured in-house at STS. Electric units use a DC drive motor, ideal for non-ATEX areas, while pneumatic models operate using an airline and are suitable for ATEX areas.

### Tiller controls

This heavy-duty drum tipper features a power drive system that can be controlled from the rear via a steerable tiller. To ensure precise placement of drums the drive speed is variable and can be adjusted by the operator.

### Stainless steel materials

This drum tipper is built to last with its hot-rolled stainless steel channels providing strength and durability. Stainless steel components are mechanically polished or aqua-blasted using an aluminium oxide and glass bead blasting process. The lift ram is zinc-coated and the gearbox is made of aluminium, with stainless steel shrouding for added protection.

### Powered clamp and rotation

For high-throughput applications that require frequent emptying of drums, this model includes powered functionality that allows operators to securely clamp the pads around the circumference, lift and tip the contents. This saves time and makes it a popular unit for such applications.

### Clamping pad design






These anti-static, flexible PVC/polyester pads are designed to accommodate a wide range of drum diameters, ranging from 280mm to 600mm. Additionally, they allow operators to lift drums straight off the corner of a pallet, providing added flexibility.

### ATEX certified model

We offer ATEX compliant drum tipping equipment for use in explosive atmospheres. Our ATEX drum tippers are designed to ensure electrical continuity and always provide a path to ground. We supply a Declaration of Conformity stating compliance with the ATEX Directive.



## Optional features

-  ATEX option
-  Telescopic/variable lift height
-  Variable leg dimensions
-  Load cell weighing system
-  Inserts for soft plastic drums



# Overhead Drum Rotator

DRU02

Our Overhead Drum Rotator is a unique solution for drum tipping that uses a variable or fixed clamping band to tip drums using a forklift, hoist, or crane. It is ideal for those who want to utilise their existing lifting equipment to decant their drums.

### Universal drum band

An adjustable band accommodates drums from 50 litres, right up to 220 litres, whether steel, plastic or fibre. A 50mm stainless-steel ratchet and strap tensions the band around the drum.

### Rim-clamp securing system

A rim-locking device attaches to the top lip of the drum as a secondary safety feature, preventing slippage of smooth-sided plastic drums.





### Self-locking gearbox

A high-quality manual gearbox arrangement is fitted to the rotator. A 60:1 ratio primary box and 2:1 secondary box ensure drums always remain under control and never self-rotate.

### Dual pickup points

A heavy-duty lifting pin allows a crane or hoist to lift the rotator; alternatively, pick up the unit with a forklift using the designated fork pockets.

### Optional features

-  ATEX option
-  Stainless-steel model
-  Fixed-size drum band
-  Load cell weighing system



# ATEX Overhead Drum Rotator, Wireless Weigh Scale

DRU02-WLC-SS-FB-Ex

Lift, tilt and weigh drums safely and easily with this model. This unit is suitable for customers who have a requirement to measure material weights during decanting. This system is very beneficial in industries where quality assurance is important.

### Fixed drum band

This overhead drum tipper is supplied with a fixed diameter clamping band. The fast-acting over-centre clamp is adjustable to accommodate drums from 580-600mm in diameter.

### Wireless weigh scale system

The load-cell weighing feature allows operators to easily measure and control material flow with accuracy and confidence. The weigh scale has an accuracy of +/- 0.1kg and is fully ATEX compliant.

### Self-locking gearbox

A high-quality manual gearbox arrangement is fitted to this rotator. A 60:1 ratio primary box and 2:1 secondary box ensure drums always remain under control and never self-rotate.

### Dual pickup points

A heavy-duty lifting pin allows a crane or hoist to lift the rotator; alternatively, pick up the unit with a forklift using the designated fork pockets.



# End-over-End Drum Mixer

## DME01

End-over-end drum mixers provide a fast method of mixing and homogenizing products. With this unit, you can mix steel, plastic and fibre drums with a maximum weight of 300kg. We offer this unit with variable mixing speeds up to 24 RPM.

### Mixer control system

This model features a custom control interface to provide you with precise control. Controls include a digital mix timer as well as an adjustable speed dial. The control box includes a safety relay circuit and meets all mandatory safety legislation.

### Easy drum loading

You can use any of our drum lifters to load and unload the drum mixer. Alternatively, you can use a forklift drum lifting attachment.

### Robust drum-securing method

Secure drums of 200-220 litres into the rotator head with the high-quality clamp-down bar. The adjustable head allows you to clamp drums of up to 1000mm in height effectively. For small drums we offer a small-drum adapter.

### Fully-compliant safety guarding

We manufacture our drum mixers with a full guarding arrangement as standard. The guarding surrounds the unit and prevents access to the drum during mixing.




### Safety gate interlocks

Our mixers feature safety gate interlocks: only once the gates have been closed can you activate the mixing function. If the gates are opened during a mix cycle, the unit will stop mixing immediately.

### ATEX-certified model

Our electric drum mixers can be supplied with ATEX compliance for use in Zone 1, 2, 21, and 22 environments, ensuring electrical continuity and a path to ground.

### Optional features

-  ATEX option
-  Stainless-steel model
-  Small-drum adapter



# End-over-End Drum Mixer ATEX

## DME01-Ex

Explore our unique ATEX drum mixer and discover how it can help you mix drums in your industrial process. Rated at 300kg and mixing at speeds of up to 10 RPM, mixing drums in an ATEX environment has never been easier.

### Mixer control system

We have worked with ATEX electrical experts to design and manufacture the latest generation of drum mixers. This model makes use of an 'Ex d' control box enclosure which houses all the necessary components to power the mixer. The box is 'Ex' rated for zones 1, 2, 21 and 22 (gas and dust).

### Unit controls

The control box includes the following features: isolator switch, start/stop buttons, docking button (returns drum to vertical), rotation speed control, power light, disabled light, rotation light, and emergency stop button.

### Easy drum loading

You can use any of our drum lifters to load and unload the drum mixer. Alternatively, you can use a forklift drum lifting attachment.

### Robust drum-securing method

Secure drums of 200-220 litres into the rotator head using the high-quality clamp-down bar.



### Fully-compliant safety guarding

We manufacture our drum mixers with a full guarding arrangement as standard. The guarding surrounds the unit and prevents access to the drum during mixing.

### Safety gate interlocks

Our mixers feature safety gate interlocks: only once the gates have been closed can you activate the mixing function. If the gates are opened during a mix cycle, the unit will stop mixing immediately.

### Optional features

-  Stainless-steel model
-  Small-drum adapter



# End-over-End Jerry can Mixer

DME01-PJC-25L

This jerry can mixer is designed to allow batch mixing of 25-litre plastic containers commonly found in industrial environments. Simply load four or eight plastic jerry cans into the mixer head, secure in place and then mix to homogenize the contents.

### Mixer control system

This jerry can mixer features a control panel on the side of the unit. The following are available via the panel: start/stop, RPM control, emergency stop and a docking function which returns the drum to vertical. The non-ATEX model also includes a mix timer.

### Head assembly

The mixer head is fast and easy to load: place the containers inside the base plate, place the clamp-down bar on top of them and secure them in place using the tool provided. We are able to adapt the mixer head to accommodate containers of different sizes if required.

### Fully compliant safety guarding

It is important that any rotating machinery is adequately guarded to ensure compliance with machinery regulations. This unit is fully guarded which protects the user by preventing access to the rotating jerry cans during mixing.

### Safety gate interlocks

Safety and regulatory compliance are key priorities for all companies. This mixer includes a safety relay circuit and gate safety switch. The safety system prevents operators from being able to start the mixer if the gates are open. The machine also stops if the gates are opened while running.

### ATEX-certified model

This jerry can mixer can be supplied ATEX-compliant, suitable for use in hazardous environments. The ATEX version makes use of an 'Ex d' control box and ATEX electrical motor.

### Optional features

 ATEX option

 Stainless-steel model



# Horizontal Small Drum Mixer

DME04

This mixer is designed with a focus on ergonomics and simplicity. Simply load the drums into the cabinet manually, then close the doors to power up the circuits. Press the start button and mix your product until it is fully homogenized.

### Mix four drums at once

Using a belt-drive system, four drums can be loaded onto the rollers and mixed simultaneously, making the unit ideal for batch production.

### Mixer control system

The electric control interface is equipped with an RPM adjuster and a mix timer, providing precise control over the speed of the drum rollers and the total mix duration.

### Ergonomic drum loading

Loading drums is safe and easy: simply place a drum on the edge of the frame and then push it back onto the rollers.

### Factory configurable

This model is suitable for mixing drum sizes of 3.6 litres to 15 litres (up to 350mm in height and diameter). The drum rollers are set in the factory to match your company's particular drum size.

### Fully compliant safety guarding


This drum mixer is fitted as standard with a full guarding arrangement. The guarding prevents access to the rollers during mixing, while still offering visibility. On all new models the guarding is made from polycarbonate.

### Door interlocks

Each door of the cabinet mixer is fitted with a switch/interlock; only once the doors have been closed can you activate the rotation function. If an operator opens the doors during a mix cycle, the rotation of the drums will stop immediately.

### Optional features

 ATEX option

 Stainless-steel model



# Pedestrian Stacker Truck ATEX

STP07-FAC01-Ex

Our pneumatic-hydraulic stacker truck uses an airline connection to power the hydraulics and is fully-certified for both gas (G) and dust (D) hazardous zoned areas; 1, 2, 21 and 22. The stacker has a capacity of 1,300 kilograms along with a 1.4-metre lift height.

### Fully-compliant lift system

The unit features pneumatic circuits and mandatory safety systems such as emergency stops and blocking valves. Should the airline be disconnected for any reason, the forks will remain in place and the load will remain safe.

### Stainless-steel clad forks

We clad the forks in a strong and robust stainless steel, drastically reducing the risk of a spark should they contact the ground or other hard surfaces.

### Controllable rear-wheel steering

Ackermann-style steering gives you maximum directional control when lifting pallets and IBCs. Park brakes are fitted to keep the stacker truck stationary during use or storage.





### ATEX certified

This fully certified ATEX model is supplied with a manufacturer's Declaration of Conformity which states compliance with the ATEX Directive. The unit is also supplied with a load test certificate.

### Benefits of a pneumatic truck

Air-operated stacker trucks are an affordable option when compared with electric-powered ATEX trucks of a similar specification. Electric units are expensive to purchase and often have complex systems which require extensive maintenance during their lifetime. Air-powered trucks are very simple, reliable and require a minimal amount of maintenance.

### Optional features

-  **Power drive system**
-  **Telescopic/variable lift height**
-  **Variable leg dimensions**
-  **Load cell weighing system**



# Telescopic Pedestrian Stacker Truck ATEX

STP08-FAC01-Ex

This stacker truck is well suited for applications in hazardous areas where pallets or IBCs need to be lifted onto platforms or racking. With a capacity of 1,200 kilograms and a lift height of up to 2.7 metres, this model offers an increased lift height.

### Fully-compliant lift system

Powered by a plug-in airline connection a pneumatic-hydraulic pump supplies oil to the lifting system to enable operators to use the powered functions. Our pneumatic-hydraulic systems require a minimal amount of maintenance and are much cheaper to operate than electric alternatives.

### Stainless-steel clad forks

We clad the forks in a strong and robust 304-grade stainless steel. This drastically reduces the risk of a spark should they contact the ground or other hard surfaces with force.

### Hot-rolled lifting channels

Using only the highest quality steel from trusted suppliers our heavy-duty hot-rolled lifting channels ensure the unit remains strong over a multi-decade lifespan. This telescopic model utilises a dual-mast design with a set of inner and outer lifting channels.




### ATEX certified

Our 'Ex' stacker trucks are ATEX certified for use in Zone 1, 2, 21 and 22 hazardous environments. Each machine is supplied with a Declaration of Conformity and a load test certificate.

### ATEX features

This model includes a number of ATEX features including, but not limited to, earthing chains, anti-static guarding, 'Ex' spec wheels, and stainless-clad forks. In addition, each ATEX machine is assembled and checked to ensure electrical continuity between all components.

### Optional features

-  **Power drive system**
-  **Variable leg dimensions**
-  **Load cell weighing system**



# Power Drive Stacker Truck ATEX

STP12-FAC01-Ex

Fully-powered stacker truck with highly-efficient air motor drive system. Rated at 1,300 kilograms for lifting pallets and IBCs; the unit includes a weigh scale for use in ATEX zone 1, 2, 21 and 22 areas.

### Pneumatic drive system

Operators can effortlessly move pallets and IBCs around the workplace using our innovative air-driven system. A tiller handle controls the rear drive wheel offering fantastic control and manoeuvrability.

### Air-driven drive wheel

We have developed a unique highly efficient ATEX air drive system that can be fitted to a range of different STS lifters. Each part has been carefully designed to ensure optimum drive speed and efficiency.

### ATEX certified

Each of our ATEX stacker trucks is designed to ensure electrical continuity. We supply a manufacturer's Declaration of Conformity, which states compliance with the ATEX Directive.


### Stainless-steel clad forks


We clad the forks in a strong and robust stainless steel, drastically reducing the risk of a spark should they contact the ground or other hard surfaces.

### Benefits of a pneumatic truck

Air-operated stacker trucks are an affordable option when compared with electric-powered ATEX trucks of a similar specification. Electric units are expensive to purchase and often have complex systems which require extensive maintenance during their lifetime. Air-powered trucks are very simple, reliable and require a minimal amount of maintenance.

### Optional features

 Telescopic/variable lift height

 Variable leg dimensions

 Load cell weighing system



# Stacker Truck Tilting Forks ATEX

STP07-FAC02-Ex

This ATEX explosion-proof stacker truck has been designed for tilting vessels to allow complete and efficient decanting. The unit has pneumatic-hydraulic powered forward tilting forks that allow for the decanting of large vessels and IBCs in a hazardous area.

### Fully compliant lift system

To operate the unit simply plug in an airline to enable the powered functions; the buttons on the rear panel are used to lift, lower and tilt the load. The unit makes use of mandatory safety features such as an emergency stop button and hydraulic blocking valves.

### Tilting stainless-steel clad forks

When a vessel is nearly empty, the remaining material inside can be difficult to remove due to its weight. It is important for companies to have an ergonomic and safe solution to this problem. This machine features tilting stainless-steel clad forks that can be used to tilt the vessel and remove the remaining material through the drain port. This saves both time and money for the company.

### Hot-rolled lifting channels

Using only the highest quality steel from trusted suppliers our heavy-duty hot-rolled lifting channels ensure the unit remains strong over a multi-decade lifespan.


### ATEX-certified model


Each of our ATEX-certified pneumatic-hydraulic stacker trucks is designed to maintain electrical continuity, with a path to ground always present.

### ATEX features

This model includes a number of ATEX features including, but not limited to, earthing chains, anti-static guarding, 'Ex' spec wheels, and stainless-clad forks. In addition, each ATEX machine is assembled and checked to ensure electrical continuity.

### Optional features

 Power drive system

 Telescopic/variable lift height

 Variable leg dimensions

 Load cell weighing system



# Stacker Truck Weigh Scale System

We can supply all of our stacker trucks with a highly accurate weighing system, which is ideal for batch production.

### Why purchase a load cell weighing system?

Customers demand only the highest quality products from manufacturers, which means the ability to provide consistent goods is paramount for companies. When pouring liquids or powders from drums, our load cell systems allow you to transform batch production into a highly accurate process with traceability in mind.

### How accurate is the weighing system?

Our drum rotator units provide an accuracy level of +/- 0.1kg, while our heavy-duty pedestrian stacker trucks offer an accuracy of +/- 1.25kg. With such high levels of accuracy, manufacturers can ensure a more consistent manufacturing process and maintain the quality of their products throughout production.

### Can this system be used in an ATEX area?

We specialise in providing handling solutions for hazardous environments and offer ATEX-approved load cells and display readouts for our units. These components are designed to measure weight accurately in hazardous zoned environments, ensuring that manufacturing processes remain safe and efficient. Our ATEX weigh scale display is made of stainless steel and can be seen in the bottom right image.

### Would you benefit from a wireless weigh scale system?

In certain cases, it can be beneficial to have access to weigh scale data on a computer or localised I.T. system. At STS, we offer the option to incorporate a wireless weighing indicator into any of our stacker trucks.

A load cell assembly is installed between the carriage and the head assembly, this measures the weight of the load and its contents. The load cell reading is shared via a transmitter to either the unit-mounted receiver or a nearby PC base station.

By using the remote display or computer data logging software, operators and factory managers can monitor weights and decanting amounts in real-time. All receivers come equipped with a tare/zero function, which is useful for measuring individual batches of product. This enables greater accuracy and efficiency in batch production operations.



# IBC Tilter

### ITM01

This IBC Tilter is ideal for draining the remaining contents of an IBC and avoiding any wastage of material. Using a manual-hydraulic tilt mechanism, this product can be used to empty an IBC weighing up to 1000kg.

### Manual tilting system

This manually-operated tilter provides an ergonomic solution for emptying the contents from an IBC. Using a quick lift manual-hydraulic pump, the operator simply pumps a handle to tip the IBC forwards. The unit has a maximum forward tilt angle of 28 degrees, this is more than required to ensure an IBC empties fully. Once decanted the IBC can be lowered back into the vertical position using the control lever.

### Fork layout and construction

The forks on this unit are strong and robust, capable of handling loads up to 1000kg. Designed for IBCs with an open base, the forks are fixed in place with an outside width of 540mm to fit under standard 1000 litre IBC containers. To use the tipper, operators position it beneath the IBC, secure a ratchet strap around the container, and pump the handle to start tilting the container.

### Securing method for the IBC

This unit makes use of a simple securing method which uses a 50mm stainless-steel ratchet and 50mm polyester strap. The industrial-grade strap is secured using the ratchet mechanism to ensure the IBC is always retained during decanting. The strap does not have to be overly tight as it is only there to retain the IBC.

### Removing the IBC

To remove the IBC from the unit the operator lowers the IBC down by pulling the release lever on the tiller. Once the IBC is on the floor, the operator releases the tension in the ratchet and removes the strap.



## Drum Lever Bars for 200-Litre Steel Drums

### LEV01 / LEV02

Adjusting the orientation of stored drums to view labels or optimise storage space is often necessary during drum handling. Our drum lever bars make repositioning steel drums safe and effortless. Simply connect the bar to the drum and use leverage to rotate or adjust its position.

#### Protecting operators

Moving drums by hand is a dangerous operation without the correct tools. By using our drum lever bars, you can improve the efficiency of your drum handling operations and reduce the risk of injury to your workers.

#### LEV01 for tight-head steel drums

Suitable for tight-head steel drums, this lever bar connects to the upper lip of the drum. Rotate the drum manually using the 1.2m of leverage provided by the bar.

#### LEV02 for open-top steel drums

For use with open-top steel drums; again, this lever bar connects to the upper edge of the drum. Use manual effort and leverage to rotate the drum.

#### Stainless-steel construction

Made from 304-grade stainless steel, both bar variants are corrosion resistant and long lasting.



## Medical Gas Cylinder Trolley

### CTS04-A / CTS04-B

This medical gas cylinder trolley has been designed to allow the easy movement and storage of flat bottomed oxygen gas bottles among others. Cylinders can be stored in the trolley in the vertical orientation with the bottle remaining safe and secure at all times. Retaining straps and high-quality wheels make these units ideal for hospital/clinic environments.

#### Stainless steel construction

Each trolley is constructed from 304-grade stainless steel. The 38mm tube is mirror-polished and all welds are electro-chemically etched using the latest tig-brush etching techniques. The finish of the stainless steel is smooth and clean making it easy to clean and disinfect in hospital environments.

#### Gas cylinder sizes

This trolley comes in two variants, CTS04-A for smaller cylinders and CTS04-B for larger cylinders. The 'A' model will handle cylinders of up to 200mm in diameter and 1350mm in height. The 'B' model will handle cylinders of 150mm in diameter and 950mm in height.

#### Retaining straps

Neoprene retaining straps are fitted to the cylinder trolley. These straps have a range of securing holes to allow tightening around a wide range of cylinder sizes.



## Gas Cylinder Trolley

### CTS01

For transporting gas cylinders with ease, we've designed a durable, robust and ergonomic unit. Our gas cylinder trolley allows you to move heavy cylinders in the workplace safely and ergonomically.

#### Stainless-steel construction

We construct all of our gas cylinder trolleys from corrosion-resistant stainless steel. By using the finest materials, we ensure that our trolleys are durable, providing you with reliable and long-lasting equipment.

#### Unique wheel arrangement

Small wheels at the front of the unit allow you to tip the trolley upright; you can then move the baseplate under the cylinder before tilting the trolley back into position. The four main wheels offer exceptional manoeuvrability and the trolley can tackle small steps effortlessly.

#### Safety chain

To ensure the cylinder is secure and fastened into place, we've fitted the unit with a safety chain. While the trolley itself supports the cylinder and provides stability, the chain adds a second level of safety to the unit.

#### Optional features

Ex ATEX option



# Gas Cylinder Trolley with Lifting Wires

CTS02

Similar to our Gas Cylinder Trolley (CTS01) in terms of durability and ergonomics, this model also includes lifting wires that allow you to elevate a loaded trolley from the ground and transport it to different levels.

### Unique wheel arrangement

The main four wheels are 160mm in diameter and are made from elasticated rubber. Each wheel has two precision bearings, reducing rolling resistance. Additional small front wheels allow you to manoeuvre the unit into position with the trolley in the vertical position.

### Fixed clamping band

A fixed diameter clamping band keeps the cylinder secure in the trolley when you're lifting the load. The band suits cylinders with a diameter of 230mm.

### Certified lifting wire assembly

We build the trolley with a fully tested and certified lifting wires. Once you've secured the cylinder into the trolley, use an overhead crane or hoist for lifting.

### Optional features

Ex ATEX option



# LPG Gas Cylinder Trolley

CTS03

LPG gas cylinders are heavy and pose a manual handling risk to employees. We developed the CTS03 trolley to make transporting LPG bottles safer, whether moving cylinders inside or outside.

### Low operator effort

Unique geometry assists in distributing cylinder weight and therefore reduces the load an operator experiences.

### Stainless-steel construction

Constructed from corrosion-resistant 304-grade stainless steel, equipment is durable and robust.

### Unique wheel arrangement

Elasticated rubber wheels at the front and pneumatic wheels at the rear make this unit great for use on rough terrain. Two additional small wheels at the front help when loading a cylinder.

### Safety chain

To retain the cylinder during transit, the unit is supplied with a safety chain.



# Gas Cylinder Lifter

DTP03-CA10

Lift gas cylinders onto stands, platforms or scales safely and easily with this hydraulic lifting machine. Operators have full control of the lift mechanism and steering via the rear tiller.

### Cylinder securing head

The operator secures the cylinder in place against the pad using a ratchet and strap mechanism. The rubber backing pads provide grip between the cylinder and unit ensuring the load is held securely throughout the handling operation.






### Manual hydraulic pump

The 17cc hydraulic pump supplies oil to a lifting ram in the centre of the unit. The system raises the gas bottle when the rear tiller handle is pumped back and forth. A hand-operated lowering lever/valve is mounted on the top of the lifter.

### High-quality wheels

Each unit is fitted with fixed front wheels and swivel braked castors at the rear. Wheels are specified to meet the requirements of a range of different industries including anti-static wheels for ATEX applications.

### Optional features

-  ATEX option
-  Stainless-steel model
-  Variable lift height
-  Variable leg dimensions
-  Load cell weighing system



# Counterbalance Gas Cylinder Lifter

DTP08-CA10

This counterbalance gas cylinder lifter is popular in narrow workspaces. The design eliminates the need for outlying legs in front of the machine, allowing operators to place cylinders in areas that would otherwise be difficult to access.

### Cylinder securing head

The operator secures the cylinder in place against the pad using a ratchet and strap mechanism. The rubber backing pads provide grip between the cylinder and unit ensuring the load is held securely throughout the handling operation.






### Manual hydraulic pump

The 13cc hydraulic pump supplies oil to a lifting ram at the front of the unit. The system raises the gas bottle when the pump handle is moved back and forth. A hand-operated lowering lever/valve is mounted on the top of the pump.

### High quality castors

This machine is fitted three 160mm wheels including a single steered wheel at the rear. All wheels fitted are aluminium centred and have a hard polyurethane tyre which is very robust. Anti-static wheels are also available for ATEX applications.

### Optional features

-  ATEX option
-  Stainless-steel model
-  Variable lift height
-  Increased SWL
-  Load cell weighing system



# Gas Cylinder Lifter and Rotator

DTP08-CR01

This gas cylinder lifter and rotator is well suited to those companies who need to empty water or other liquids out of compressed gas cylinders. With a wide cylinder compatibility and high capacity this model is highly versatile.

### Cylinder securing head

The unit is fitted with a large cylinder support assembly that can accept cylinders from 180mm to 550mm in diameter. The operator secures the cylinder in place against the supports using a ratchet and strap mechanism before lifting and manoeuvring.

### Sideways rotation

The unit is fitted with a slew-ring gearbox assembly that allows cylinders to be rotated sideways. The operator uses a long stainless steel crank handle to rotate the gearbox and therefore the cylinder.





### Manual hydraulic pump

This machine makes use of a 13cc hydraulic hand pump to raise the load. Operators move the handle back and forth to pump hydraulic fluid to the lift ram from the tank. To lower the cylinder a manual release handle is twisted anti-clockwise; this returns the hydraulic fluid back to the tank from the lift ram.

### Low rolling resistance

By using hard polyurethane wheels we ensure that the machine is easy to push and pull around the workplace. All wheels are fitted with precision bearings for enhanced performance.

### Optional features

-  ATEX option
-  Stainless-steel model
-  Variable lift height
-  Load cell weighing system



## Optional features

Many of our units can be upgraded and enhanced to add useful functionality. On each product page you will find icons depicting which optional features can be added. For further information on these upgrades please contact our sales team or your local distributor.



### ATEX option

Suitable for use in ATEX/UKEX Zone 1, 2, 21, and 22 environments, certified according to the ATEX Directive.



### Stainless-steel model

Constructed from 304-grade stainless steel, suitable for clean rooms and good manufacturing practice (GMP) areas.



### Electric-hydraulic lift

For non-ATEX applications, adapt a manual or pneumatic unit to be electric, with battery-operated hydraulic lift.



### Pneumatic-hydraulic lift

If you have a need for ATEX equipment, we can supply air-powered units that require an airline connection to operate.



### Powered drum clamp

Improve efficiency using hydraulic-powered clamping arms. Our unique flexible pads can clamp drums from 50 to 220 litres.



### Powered drum rotation

For time-critical pouring applications. Controlled from the rear panel or the front of the machine.



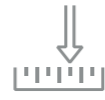
### Power drive system

Power drive tiller steering for effortless control, with battery and pneumatic options.



### Telescopic/variable lift height

Increase lift heights using taller lift rams and/or dual-mast lifting channels.



### Variable leg dimensions

If machinery integration is critical, choose tailored leg dimensions to suit your facility. We can supply straddle and low level leg options.



### Increased SWL

Raise the safe working load (SWL) of your unit for handling heavier loads; tailor the capacity to suit your containers.



### Fixed-size drum band

Handle 200- to 220-litre steel and plastic drums faster using our over-centre clamping band with built-in rubber gripping pads.



### Load cell weighing system

Weigh your drums while you handle them. A digital read-out provides real-time information. A ticket printer can be added if required.



### Drum inserts and adapters

We can accommodate smaller drums and uncommon drums using a variety of band inserts or adaptor frames.

## ATEX explained

### What is ATEX (or UKEX)?

ATEX-certified equipment is required in hazardous areas where there is a risk of fire or explosion. The equipment must be designed, manufactured and certified to ensure no ignition source exists and no sparks can be generated by the equipment. Anti-static and conductive materials are often used alongside earthing components to ensure conformity.

### Our experience

We are pioneers in ATEX manual handling equipment. Over the last 20 years we have built up extensive knowledge and capability in manufacturing ATEX-certified products for hazardous areas. We can supply equipment that is safe for use in Zone 1, 2, 21, and 22 environments.

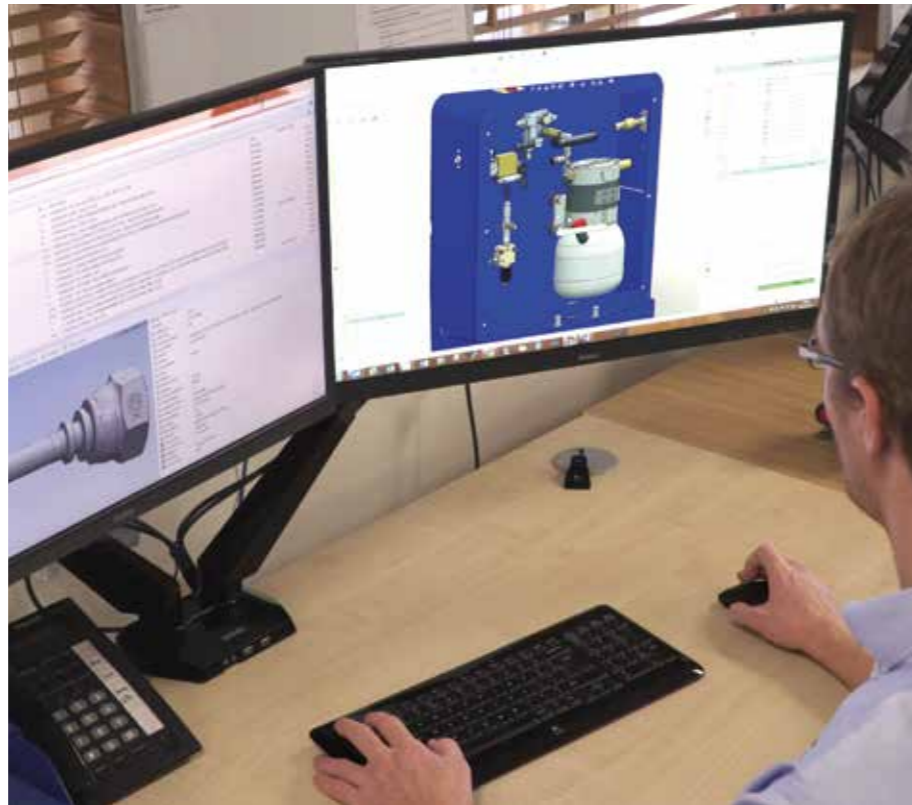
### Which products can be ATEX certified?

STS products are available in an ATEX configuration, with options for manual or pneumatic power to ensure compliance. Our drum mixers also come in an electric ATEX configuration. Manual models are operated by hand, while pneumatic models require an airline connection to power the hydraulic systems.

### What we do

For each and every ATEX unit we design, we carry out an ignition hazard risk assessment as required by the regulations. Our ATEX units are manufactured to ensure electrical continuity, meaning a path to ground is always present. Equipment is certified and technical files are logged with CSA Group in the United Kingdom and the Netherlands. We supply a manufacturer's Declaration of Conformity, which states compliance with the ATEX Directive.





## Our bespoke process

1

### Initial enquiry

A member of our product team will get to the heart of your handling application.

2

### Expert advice

Our technical team will work with you to develop the specification for a product that suits your requirements. We utilise conference calls, site visits and media exchanges to cover all angles.

3

### Detailed proposal

We will provide a detailed offer containing the key features and dimensions, along with a price for the unit and any options discussed.

4

### Concept design

Upon order, our designers produce a 3D model detailing the unit's key features, as well as general arrangement drawings and a storyboard to show how the equipment will work.

5

### Detailed design and manufacture

Once you have approved your design, our production team will manufacture your unit at our factory in the United Kingdom.

6

### Product testing

This is an integral part of all projects and includes stability assessments, load tests and conformity checks. You are welcome to visit us to oversee the final testing process.

7

### Product support

Once your unit is on-site, one of our product team members will be available to assist with any questions you may have. Each unit is supplied with a comprehensive training video and all applicable documentation.

## Contact us

If you want to know more about our products and the service we provide, do get in touch. Whether you need a standard or tailor-made solution, we can help.

We are able to ship equipment direct from our UK factory to overseas destinations. We also work with distributors across the globe.

**Website:** [www.sts-trolleys.co.uk](http://www.sts-trolleys.co.uk)  
**Call:** +44 (0)1736 851050  
**Email:** [sales@sts-trolleys.co.uk](mailto:sales@sts-trolleys.co.uk)

STS  
 Praze Road, Leedstown,  
 Hayle, Cornwall,  
 TR27 6DS, United Kingdom



