

engineering supplies ■ innovative solutions

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# **R** RICHMOND® WHEEL & CASTOR CO

## Product Overview

**Wheels & Castors**

**Materials Handling**

**Trolleys & Handtrucks**

**Gate Hardware**

**Plastics & Storage**

**Conveyors & Rollers**

**WheelMakers for Industry**

# Celebrating 60 Years

Richmond Wheel and Castor Co is a family-owned business. For 60 years we have been designing, manufacturing, and supplying industrial wheels, rollers, castors, and materials handling equipment. We have multiple warehouses across Australia and New Zealand.

We remain a can-do, family-owned business focused on providing you with real knowledge and solutions in our field.



## Product Sourcing

Richmond combines its global resources and local manufacturing to provide you with the best products possible.

## Supply on Demand

We have a highly-developed quality support network able to meet the demands of any busy environment.

## Manufacturing

Richmond's manufacturing facility enables design & production of any non-standard products, tailor-made to suit your needs.



## Warehousing

Richmond's warehousing in each state facilitates the timely and efficient delivery of all goods.



## Our website features specs and information on over 3000 products to suit a range of industries:

Wheels & Castors, Materials Handling, Trolleys & Handtrucks, Plastics & Storage, Gate Hardware, Conveyors, Safety Equipment, Adjustable Feet & Inserts, Bearings & Sleeves, Hospitality Equipment, and more.

**AU:** [www.richmondau.com](http://www.richmondau.com)

**NZ:** [www.richmondnz.co.nz](http://www.richmondnz.co.nz)

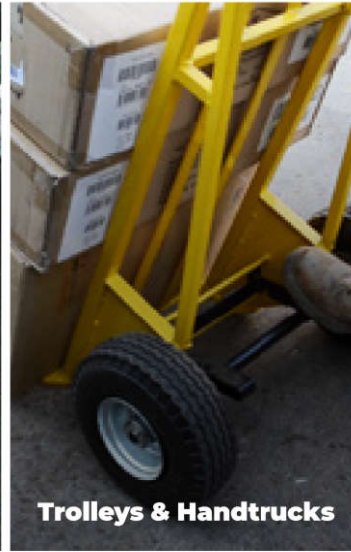
# Our Products



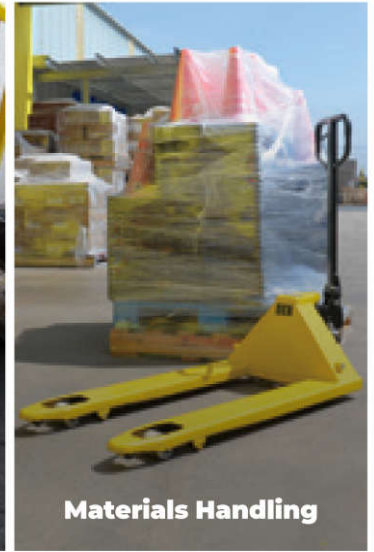
**Castors**



**Wheels**



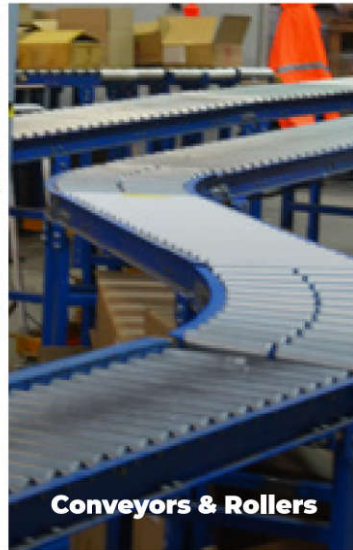
**Trolleys & Handtrucks**



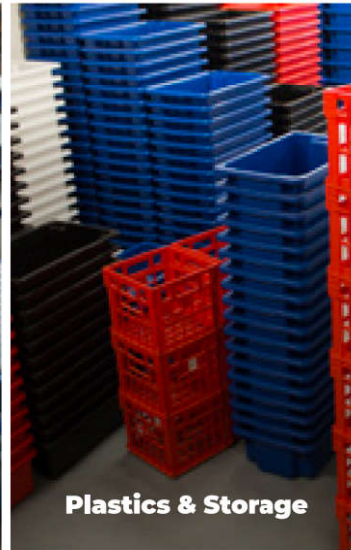
**Materials Handling**



**Skates & Dollies**



**Conveyors & Rollers**



**Plastics & Storage**



**Hospitality Equipment**



**Gate Hardware**



**Adjustable Feet  
& Inserts**



**WheelMakers for  
Industry**

For more information on the full range of products we offer, contact your nearest Richmond stockist.

# Selecting a Castor

With a seemingly endless combination of wheels and frames available, selecting the right castor for your application can be challenging.

**Below are four variables to consider when choosing a castor.**



## Load Capacity

Heavier loads will require increased capacity castors with wheels made from higher density materials. Bearing selection is also an important consideration: Roller bearings can carry heavier loads than ball bearings. To calculate the minimum load capacity required, divide the weight of the load by the number of castors on which the weight is distributed.

**Richmond wheels and castors range from load capacities of 40kg to 10,000kg.**

## Climate & Environment

Stainless steel frames and bearings are available for use in harsh conditions. Many wheel types will not survive extreme heat or cold, so Richmond developed a range of high and low temperature wheels for applications such as commercial freezers or industrial ovens.

**Richmond High/Low Temperature Wheels can perform in extreme temperatures from -30°C to 300°C.**

## Floor Type

Wheels will perform differently depending on the floor surface. For example, a solid nylon wheel would perform better on a carpeted surface than a softer rebound rubber wheel. This is due to the decreased rolling resistance of the nylon wheel. On a harder surface such as concrete or tiles, a rubber wheel will perform much better than solid nylon. An uneven surface may lead to irregular weight distribution, increasing the load on the castors. It also could be important to select a wheel type that won't mark the surface the castor is to be used on.

**Richmond can recommend a wheel type to suit any floor surface.**

## Ease of Rolling

The major factors that contribute to rolling resistance are load, wheel diameter, wheel hardness and floor surface. Rolling resistance can be decreased by selecting the largest suitable wheel diameter and the hardest suitable wheel material for your application.

**When unsure, speak with our knowledgeable staff to advise you on the most suitable castor for your application.**

# Castors For All Applications

Available in capacities ranging from 40kgs up to 10 tonne, Richmond's range of castors are available in thousands of varieties to suit all kinds of industries and requirements. Our castors are available with a huge variety of wheel types and frame options, including plate mounted rigid, swivel, brake, directional lock options; as well as bolt hole mounted swivel and brake varieties.

Contact our staff or visit our website to find the perfect castor for your application.

## Light Duty / General Use

Designed to handle loads ranging from 40-100kg. Our range of light duty castors are suitable for all kinds of everyday applications including household furniture, light duty cabinets, shop fitting applications, display equipment and more.

Available in 50-100mm wheel diameters, our range of light duty castors includes single and twin wheel castors. Available in plate or bolt mount in rigid, swivel, and brake varieties.



## Medium Duty

Available in mild or stainless steel varieties Richmond's range of medium duty castors are designed to suit capacities from 100-250kg. These medium duty castors are suitable for medical equipment, laboratory equipment, kitchens, cool rooms, general industry, and more.

Our range of medium duty castors are available with 50-150mm wheels in a variety of wheel types including rebound rubber, nylon, polyurethane, high temp polymer, and lots more.



## Heavy Duty / High Capacity

Available in a huge variety of wheel types Richmond's heavy duty and high capacity castors are suitable for heavy duty applications that require a load capacity of over 250kgs per castor. These hard wearing castors can handle almost anything you can throw at them and are suitable for a huge range of industries including logistics, manufacturing, rapid moving production lines, steel manufacture, exhibition services, waste bins, and more.



## Specialty Castors

Your industry may require a specific solution, that's why we stock a range of castors designed to suit specific jobs, including medical castors, scaffold castors, and more. We can also work with you to design heavier duty or unique solutions for your industry.

Richmond's Melbourne-based engineering department can custom design a solution to meet your requirements. Contact our engineering department by emailing [engineering@richmondau.com](mailto:engineering@richmondau.com) or visit [www.richmondau.com/engineering](http://www.richmondau.com/engineering) to find out how we can help with your project.



# A Huge Variety of Wheel Types Available

Available in a range of materials, diameters ranging from 50mm to 450mm, and capacities from 10kg up to 5000kg. Richmond's range of high quality wheels and rollers has something to suit every industry and application.

Contact our staff for help finding the ideal wheel type to suit your application.



UP TO  
300KG

## Pneumatic Wheels

Available with a plastic or steel centre, Richmond's pneumatic wheels offer an easy rolling solution ideal for use on agricultural equipment, hand trolleys, wheelbarrows and lots more.



UP TO  
200KG

## Puncture Proof Wheels

Richmond's Puncture Proof Wheels eliminate the need to replace tubes. With a high load capacity suited to hand trucks, nursery equipment and industrial equipment, these wheels combine the strength and stability of a solid rubber wheel with the cushioned ride of a pneumatic.



UP TO  
100KG

## Institutional Rubber

Designed for light duty applications these institutional rubber wheels feature non-marking rubber tyres, sealed bearings and a matching grey thread guard.



UP TO  
350KG

## Rebound Rubber

Rebound rubber wheels are non-marking, quiet & shock absorbing with a low rolling resistance that allows them to roll over small obstructions easily.



UP TO  
400KG

## Poly Tyred Nylon Centred

Featuring an injection moulded polyurethane tyre around a nylon hub, these wheels are hard wearing, non-marking and long lasting with high load capacities.



UP TO  
500KG

## Solid Nylon

Richmond's range of nylon wheels and rollers are durable, offer a low rolling resistance, and are ideal for hard, smooth surfaces and outdoor/wet environments.



UP TO  
600KG

## High/Low Temperature

We carry a range of high/low temp wheels to handle temperatures ranging from -30° to 300°C. Cast Iron, SG Iron, Glass Filled Nylon, and High Temp Polymer wheels available.



UP TO  
5000KG

## Poly Tyred Cast Iron Centred

Available with a polyurethane hardness ranging from 60A to 75D on the shore scale, Richmond's polyurethane tyred cast iron centred wheels are available in capacities from 240kg up to 5000kg to suit all kinds of applications.



UP TO  
5000KG

## Cast Iron & SG Iron

Cast Iron & SG Iron wheels provide high capacity with a low rolling resistance. They are hard wearing, as well as abrasive and heat resistant.

# Conveyor Solutions

From factories to airport security lines and much more, Richmond supply a range of high quality industrial conveyor systems to help our customers move goods effortlessly and efficiently.

**Conveyor rollers, gravity conveyors, powered & manual line shaft conveyors, belt conveyors, flex conveyors, powered flex conveyors, ball transfers, roller stands, and more.**

**Richmond can custom manufacture rollers to suit your length, diameter, and shaft requirements**

## Conveyor Rollers

Available to suit conveyor widths from 290 to 600mm. These rollers feature spring loaded shafts for simple installation and secure attachment to the conveyor frame.

Robust nylon plastic, zinc plated steel, and stainless steel rollers available.

**Custom conveyor rollers available, contact our staff for more information**



## Conveyor Frames and Stands

Manufactured from hard wearing, high quality pressed steel – Richmond's conveyor frames & stands are available in a range of shapes and sizes.



## Gravity Conveyors

An ergonomic solution ideal for moving heavy and non standard shaped items along processing and packaging lines.

Available in 1500mm long sections - 290mm, 450mm or 600mm wide.



## Conveyor Bends

Gravity conveyor bends are ideal for moving heavy and non-standard items along processing and packaging lines around 45° or 90° bends.



## Ball Transfers

Ball transfers enable smooth and simple transfers of objects in any direction. Perfect for the transfer of heavy items.

**Available in a variety of material types and sizes**

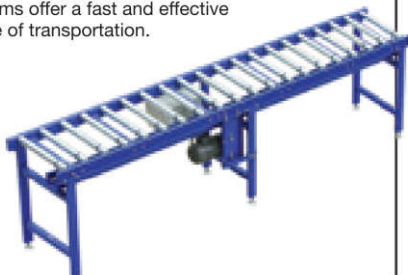
## Powered Flex Conveyors

Giving the user continuous flow of goods, this powered conveyor can expand and retract.



## Powered Line Shaft Conveyors

Available in 3000mm length, powered line shaft conveyor systems offer a fast and effective mode of transportation.



## Belt Conveyors

Richmond's belt conveyors can be configured to suit the directional flow of goods, including: inclining, declining and curved paths.



## Flex Conveyors

Richmond's flex conveyors can expand, retract and be placed into endless shapes to achieve the desired product flow.



# Materials Handling

Richmond stocks a wide range of materials handling solutions, including pallet jacks, electric tugs, scissor lifters, load skates, and more. No matter how big or small the job is, we have a solution to handle it.

## Pallet Jacks

Rugged, reliable and ready for immediate use, Richmond stock a range of pallet jacks to suit all kinds of industries.

Standard, narrow, stubby, extra long, galvanised, low profile, and battery electric models available.

DESIGNED FOR  
**MAXIMUM  
OPERATOR  
COMFORT**

**2500KG  
SAFE WORK LOAD**

**HIGH-QUALITY  
HYDRAULICS**  
LIFT & MOVE WITH EASE



## Fork Stackers

Reduce fatigue, increase operator comfort, simplify movement, and increase productivity with Richmond's range of fork stackers.

Manual and battery powered options available



## Lift Tables

The ultimate tool for handling heavy objects in the workplace.

Available in single & double scissor varieties, these lift tables allow you to adjust your load to a comfortable working height, reducing physical strain on the operator.



**HYDRAULIC  
SCISSOR  
OPERATION** | **UP TO 500KG  
SAFE WORK LOAD**

## Battery Powered Univisors

Designed to take the strain out of lifting jobs from ground level to shoulder height. Richmond's univisors are an ideal solution for lifting in confined areas.



## Pallet Leveller

Automatically keeps loads at an optimum working height when loading or unloading goods.



## Powered Lift Tables

Equipped with multiple safety features these heavy duty lift tables facilitate handling and lifting up to 4000kg.



## Battery Electric Tug

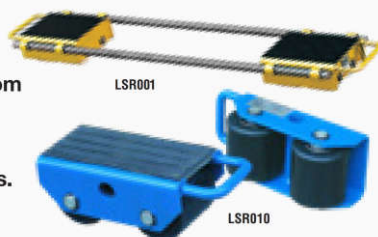
Reducing the amount of manual work required, this tug features a hydraulic draw bar suited to tow ball attachments and can handle loads up to 1500kg.



## Load Skates

Suitable for moving loads from 2 tonne all the way up to 24 tonne, Richmond's range of load skates are available in adjustable and fixed varieties.

Load skate kits also available



## Roll Cages

A fast and effective solution to everyday stock handling problems.





# Trolleys & Handtrucks

Available in a variety of shapes, sizes, and styles to suit almost any industry. Our range of high quality trolleys includes everything from general use hand trolleys, and platform trolleys to industry specific trolleys such as gas bottle trolleys and plasterboard trolleys.

## Easy Tilt Trolleys

4 trolley types available: square framed, twin handle with curved back, high frame 'mighty tough' model with rubber handles, and an aluminium frame model with interchangeable toe plates.



ETR106

**4 TROLLEY TYPES AVAILABLE**

**SELF-TILTING MECHANISM**

**50% LESS EFFORT TO TILT**

**UP TO 300KG**

## Mighty Tough Trolleys

Designed for long term heavy duty use, Richmond's mighty tough general purpose hand trolleys are available with pneumatic or puncture proof wheels.

**MIGHTY TOUGH | MIGHTY TOUGH BY NAME | MIGHTY TOUGH BY NATURE**



**UP TO 300KG**

MTR100

## P Handle Hand Trolleys

A lightweight, economic trolley perfect for quick, general use applications.

- Ideal for everyday general use applications
- Available with pneumatic or puncture proof wheels



PHR105

**UP TO 300KG**

PHR103

## Stair Climber Hand Trolleys

Carefully designed to safely manoeuvre heavy items such as refrigerators, cabinets and more up and down stairs and steps.



SCR114

AVAILABLE WITH BOLT ON RATCHET STRAP

**UP TO 250KG**

## Appliance & Fridge Trolleys

Perfect for moving your freezer, fridge, oven, and other appliances.

- Available with pneumatic or puncture proof wheels
- Cushioned loading strips to protect your appliances during transport



APR126

FTR120

AVAILABLE WITH BOLT ON RATCHET STRAP

**UP TO 300KG**

## Carton Hand Trolleys

A high strength, high back, lightweight trolley perfect for deliveries.

- Available with pneumatic or puncture proof wheels



CTR010

**UP TO 250KG**

## Dual Purpose Trolleys

These versatile trolleys transform to give you the functionality of two trolleys in one.

- 2 Trolley modes: upright & platform
- Available with pneumatic or puncture proof wheels



DPR010

**UP TO 250KG**

## Gas Bottle Trolleys

Holds up to 2x G size gas cylinders.

- Curved gas cylinder holders with chains for safety



GBR002

**UP TO 200KG**

## Plasterboard Trolleys

Perfect for reducing the strain of moving large, heavy, and inconvenient sized boards and flat objects.



PTR002

PTR001

**UP TO 300KG**

## Platform Trolleys

Available in standard platform and caged side varieties these versatile trolleys are ready to handle all the challenges of everyday stock handling.

- Single and multi tier models available



## Aluminium Platform Trolleys

Highly manoeuvrable, lightweight, and strong. These trolleys feature a checker plate platform grip and high visibility protective rubber edges.

- 3 Platform sizes available



## Folding Plastic Platform Trolleys

Ideal for use in wet or refrigerated areas. These trolleys feature a foldable handle for easy storage and a slip-resistant deck with a reinforced underside.

- Available with rebound polyurethane or puncture proof wheels



UP TO 300KG

AVAILABLE WITH PUNCTURE PROOF WHEELS  
NO MORE FLATS

## 6 Wheel Rocking Stock Trolleys

Features an innovative 6 wheel rocking design that keeps the centre wheel grounded at all times allowing for full 360° movement in tight spaces.



## Skate Dollies

By functioning as a rolling platform for your goods, Richmond's range of furniture dollies take the stress out of moving bulky objects.

*Rubber and timber deck models available*



UP TO 500KG

## Stock Pickers

Ergonomically designed for optimum performance, manoeuvrability, and placement of loads. Heavy duty rigid plastic construction ensures longevity for both the 2 and 3 tier configurations.



## Piano Dollies

Versatile and extremely durable, purpose built for the movement of heavy, bulky and awkward loads.

- Available with pneumatic, puncture proof, or rebound rubber wheels.



UP TO 600KG

## Wheelbarrows

A Richmond wheelbarrow is an essential piece of equipment for any builder, bricklayer, landscaper, gardener, or home handyperson.

- Plastic, steel, heavy duty steel, and timber handle models available
- Steel or plastic centre puncture proof and pneumatic wheel models available



## Safety Step SSR002

UP TO 250KG

- Huge 250kg safe working load
- Lightweight design at just 3.5kg
- Grip Tape & Indented Sides
- Reinforced underside to prevent sagging
- Complies with EAN14183 section 6



# Adjustable Feet & Tube Inserts

Used to provide a level, stable base for tables, machinery, or equipment. Adjustable levelling feet help ensure your table, machine etc. is mounted correctly and levelled on uneven surfaces.



**Fixed Foot Levelling Feet**



**Ball Jointed Levelling Feet**



**Bolt Down Levelling Feet**



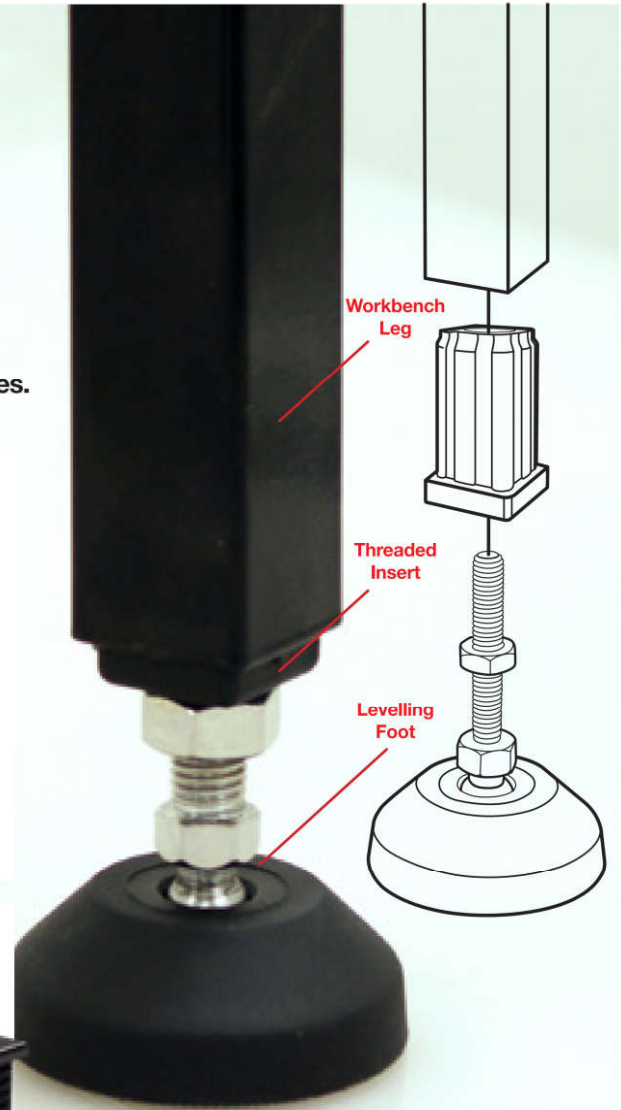
**Nylon Knob Levelling Feet**



**Round & Square Threaded Inserts**



**Tube End Caps**



Available in a range of sizes, materials and capacities. **Mild** and **Grade 304 Stainless Steel** levelling feet available.

## Bearings

With over 60 years of experience designing Wheels and Castors, Richmond have vast experience in the choice and use of bearings of all types.

From a simple carbon steel ball bearing to complex double row cylindrical roller bearings, our team can supply a bearing solution for all applications.



## Site Safety Equipment

Be prepared and protected with Richmond's range of site safety equipment. Our range includes safety cones & bollards, safety tape, expanding barriers, and lots more.



**CLEARLY IDENTIFY HAZARDS**

**A WIDE RANGE OF PRODUCTS AVAILABLE**

WE STOCK A NUMBER OF SAFETY PRODUCTS TO MEET YOUR NEEDS

# Plastics & Storage

With food grade products available, Richmond's range of plastic & storage products includes plastic tubs for food preparation and storage, collapsible mega bins for moving large amounts of produce or product, wheelie bins in a range of sizes, and containers for use on conveyor systems.

## Stack & Nest Crates

3 SIZES AVAILABLE 32L 52L 68L  
AVAILABLE IN FOOD GRADE OR RECYCLED (BLACK)



### Stacking

When full, you can stack the crates on top of one another without damaging the contents of the crate below.

### Nesting

When not in use, our stack & nest crates will slide inside of each other, saving you space.



## Mega Bins

Up to 40% lighter than wooden produce crates

### Vented or solid Mega Bins

- Stackable vented or solid side bins
- Pallet jack & forklift entry for easy moving
- Lid to suit available



### Collapsible Mega Bins

- Collapsible to just 300mm high for compact storage, these bins can also be stacked on top of each other in any configuration
- Made from virgin polypropylene
- Pallet jack & forklift entry for easy moving

## Stack & Nest Tub Dollies

- Designed to move stack & nest crates
- **Easy to clean!** Suitable for wash down applications



A huge range of wheel & castor options. Stainless and mild steel options available.

TDR040

TDR055

Grade 303 stainless steel inserts

## Parts Bins & Trays

Organise parts, tools, products and more with our range of parts bins and trays, available in a range of sizes.

Louvered panels to suit available



## Plastic Pails

Suitable for hot or cold filling, Richmond stock food grade plastic pails in 5L, 10L, 15L, and 20L sizes.



All pails come with a lid as standard.

## Lug Boxes

Available in 5 colours, our range of food grade lug boxes are perfect for use as meat crates, poultry crates, or as fresh produce crates.



## Wheelie Bins

Bins range from 80L-1100L capacity.



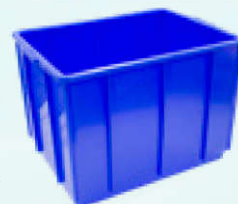
## Plastic Crates

Available in capacities ranging from 13.5L up to 65L, we stock plastic crates and nesting crates to suit a range of applications.



## Stackable Tote Boxes

Perfect for use in a wide range of industries, these food grade stackable tote boxes have a flat bottom, making them ideal for use on conveyor systems.



# Hospitality Products

Ready to tackle even the most demanding applications that the hospitality industry has to offer, Richmond carries a range of wheels, castors, trolleys, food grade plastics, and more. Our wide range of products are ready to handle everything from steamy kitchens and hotel lobbies, to commercial cleaning and front of house service applications.

## Service Trolleys

Richmond's multi purpose service trolleys are available in a variety of sizes. Perfect for any office, restaurant or hotel, these trolleys are a service industry essential.



STR222

STR321



STR324

STR327

*A huge range of wheel & castor options available*

## Hotel Trolleys

Our hotel luggage trolleys have been designed to provide you with an attractive, functional, and hard-wearing solution. Available in two styles, these trolleys feature an attractive carpeted platform with silver handles/frames.



LTR004

LTR002

## Folding Plastic Platform Trolleys

Ideal for use in wet or refrigerated areas. Perfect for supermarkets, cool rooms, kitchens, greengrocers and more.

- Available with rebound poly or puncture proof wheels



FPR001

## Castors For All Applications



### Refrigeration Castors

Ideal for cool storage areas and refrigeration units.



### Stainless Castors

Ideal for frequent wash down areas and areas where health & hygiene is of importance.



### Furniture Castors

Perfect for desk chairs, beds, and a whole range of other furniture items.



### High/Low Temp Castors

Perfect for use in bakeries, smoke houses, cool rooms, and any application where extreme temperatures are present.



### Utility Castors

Available in nylon and institutional rubber, these castors are suited for endless light duty applications.



### Light Industrial

Available in a number of wheel types for various medium duty applications.

## Milk & Bread Crates

Available in a range of colours, our range of lightweight crates take the hassle out of transporting bread, bottles, pastries and more.



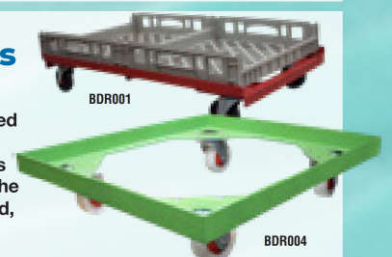
MCR011YEL

MCR010RED

BCR001

## Bread Dollies

Available in single and double varieties designed to make moving baked goods easy. Richmond's bread dollies allow for the easy movement of bread, pastries, and more.



BDR001

BDR004

# Gate & Door Hardware

Sliding Gate Hardware, Swing Gate Hardware, Cantilever Gate Hardware, DIY Automation Kits, Solar Power Kits, and Gate Accessories Available.



Solar Power Kits & Accessories Available.



Example of a Richmond GTR064 sliding gate automation kit in action

## Sliding Gate Hardware

Whether you're converting your gate to an automatic sliding gate, or building one from scratch, Richmond carry a range of gate rollers, wheels, motors, track, and stoppers to get your gate moving.



## Swing Gate Hardware

From large swing gates to small side gates, Richmond stock a range of swing gate hardware. Our range includes motors for gate automation, and a wide variety of hinges and latches to suit all kinds of outdoor gate applications.



## Cantilever Gate Hardware

Richmond stock a range of cantilever gate rollers, channels, and more. Perfect for building a heavy duty sliding gate system over entryways to domestic, commercial and industrial premises. Cantilever gates are ideal for driveways with steep inclines.



## Hanging Gate & Door Hardware

Designed for the movement of heavy duty sliding doors & gates, Richmond's hanging gate hardware is available in a range of sizes and capacities to suit a wide range of applications. 2 and 4 wheel roller sets available, suitable for capacities ranging from 70-460kgs.



## Sliding Barn Door Kits

Stainless and carbon steel varieties available

Designed to fit 35mm-45mm thick doors, Richmond's barn door kits contain all the hardware required to transform your doorway into a sleek entrance. All of our barn door kits are complete with mounting hardware and a 2m or 2 x 1.5m track.

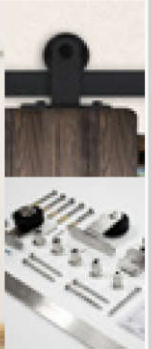
Track joiners are also available in carbon or stainless steel for double door applications.



Country Style  
Face Mounting



European Style  
Top Mounting



# WheelMakers for Industry

Our engineering staff can develop a solution for any project, whether it's simply design, or design and supply, or complete project management.

Richmond's engineering staff can work with you to create a solution that fits your needs.



**OVER 60 YEARS**  
OF INDUSTRY  
EXPERIENCE

**ALL CUSTOM CONFIGURATIONS  
AND CAPACITIES CAN BE  
ACCOMMODATED**



*Supply of 150 30T pipe rollers for offshore oil & gas pipeline launch.*

## NO PROJECT TOO BIG

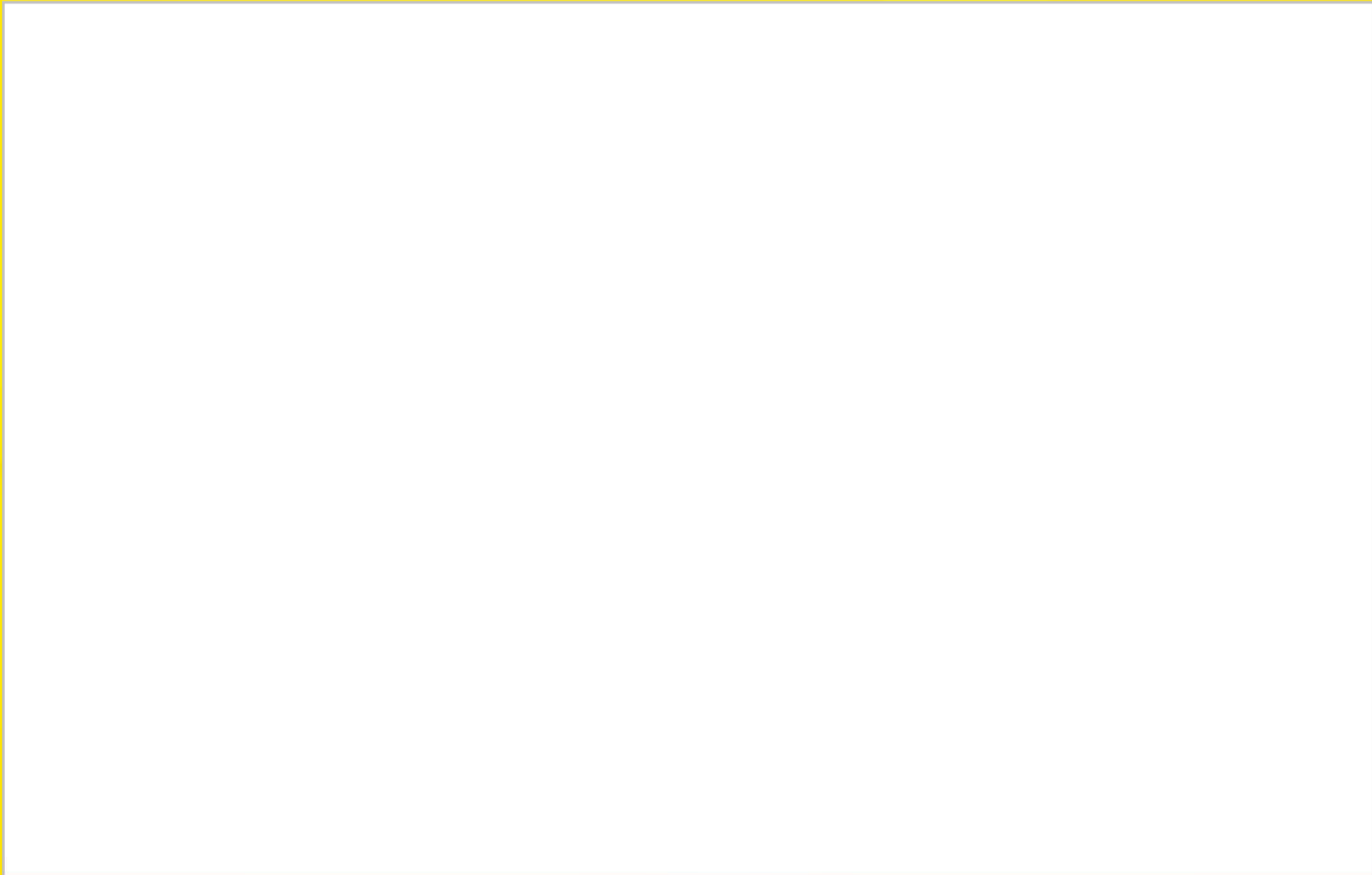
For decades we have worked with our customers to solve simple to highly complex engineering challenges, specialising in pipeline rollers and material handling applications.

## WHATEVER YOU REQUIRE, WE CAN BUILD IT

Our wide range of in-house machinery and fabrication facilities coupled with our local manufacturing network, make us the number one choice for your project. Whatever you require, we can build it.



**Custom engineered wheels, rollers and more available. Contact our staff today to design your custom solution.**



**For more information on our extensive range,  
please contact your local distributor listed above.**