

RTP
Materials Handling Limited



Packaging that goes with the flow.

RTP

Materials Handling Limited



Containers

— an object used for or capable of holding, esp for transport or storage



RTP Materials Handling Limited has a wealth of knowledge regarding the strengths and weaknesses of all the containers and boxes on the market and work with all the major box manufacturers.

Industrial, Food, Manufacturing, Retail or Transport - whatever the job there is always the right size and style of box for the job whether it is for use with a fork lift, at extreme temperatures, in contact with hazardous or corrosive chemicals, to protect static-sensitive product or to comply with food handling standards and regulations.

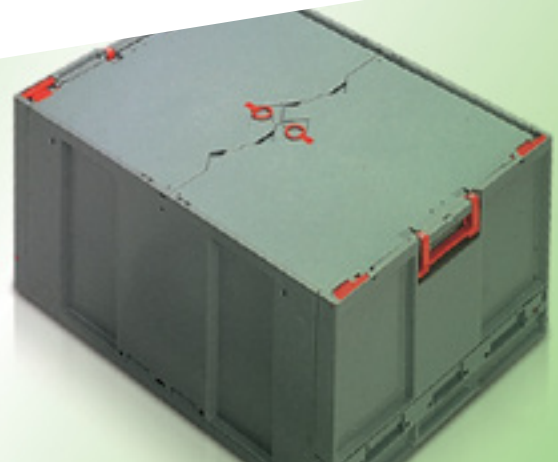
We do not believe you should be paying to ship air in boxes.

Euro Stackers

The Euro Stacker container is a strong reliable straight sided plastic container box. These industrial thick walled plastic boxes are used mainly in the manufacturing industry or where a closed loop returnable trip packaging (RTP) system is used or required. This family of containers are designed to inter-work with each other and with the 2 most common pallets (1200x1000mm and the 1200x800mm).

Folding Container

Euro Stacker sized containers to be folded down when not in use, saving up to 80% of space of the unfolded container. Having all the benefits of a straight sided Euro Stacker where a high capacity is required, with the added space saving advantages of a stack and nest container when empty.



Stacking containers

There is a large range of sizes outside the Euro Stacker footprint. The majority of plastic stacking containers are listed under Euro Stackers. This section covers imperial sizes and products. These are strong, reliable and straight sided, specifically stacking containers such as catering trays, glass transport and new chick trays.



Stacking & Nested Containers

Used for distribution where the containers are nested empty for the return journey. There are two types of plastic stack and nest container.

The first and most common is a bale arm container. This uses a bale arm to support the container above for stacking. The bale arm folds back to allow the container to nest.

The second is the 180° stack and nest container which allows the container to stack when the above container is placed the opposite way round to the lower container, yet when placed in the same direction will nest. Both types of containers have tapered sides to allow for nesting. This type of container is mainly used in the farm to store arena to display produce or where empty containers are returned in a returnable trip packing (RTP) system minimising transport costs.



KLT - Heavy Duty Euro Stackers

A KLT is typically a heavier duty Euro Stacker which is designed to work with automated conveyor and handling systems. The bases are designed for heavier loads and use on conveyors.



Attached Lidded Containers

The Attached Lidded Container (ALC) box is a tamper proof box with an attached lid that protects your goods totally. It is a great multi use box. These containers are stack and nest units using the lid closed for stacking and folded back for nesting. They are used largely in the distribution of items of higher value as the lids can have tamper proof seals fitted such as the mobile phone, clothes distribution and courier services. The sides of the container are tapered. Label areas or holders are standard. There is a wide range of sizes available.



RTP

Materials Handling Limited



Specialised Containers

— an object used for or capable of holding, esp for transport or storage

RTP Materials Handling Limited has a wealth of knowledge regarding the strengths and weaknesses of all the containers and boxes on the market and work with all the major box manufacturers.

Industrial, Food, Manufacturing, Retail or Transport - whatever the job, there is always the right size and style of box. Whether you require a container suitable for hazardous or corrosive chemicals, protecting static-sensitive products or for complying with food handling standards and regulations, RTP Materials Handling Ltd will provide the specialised container you need.



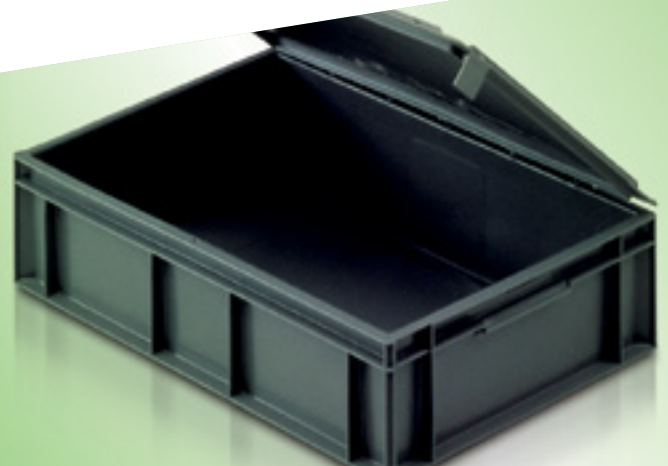
Insulated Containers

Designed to store products sensitive to ambient temperatures, insulated containers are an ideal and cost effective way of transporting hot or cold items.



Conductive and Dissipative Containers

We offer a wide range of static-safe containers, inserts and accessories. Conductive materials are used for external containers with no direct contact with sensitive components whilst dissipative materials are used where there is direct contact. The conductive and dissipative surface resistances comply with EN 61340 requirements.



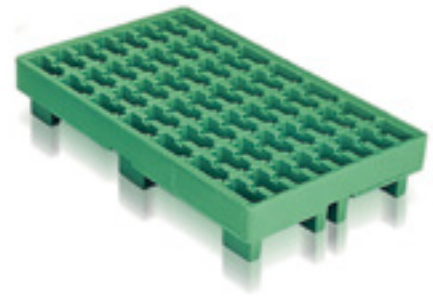
Food Preparation and Mobiles

These tubs and mobile bins are made from food grade material. They are easily cleaned as all corners are rounded. These are ideal for the storage and movement of ingredients and for use in clean rooms as they conform to all the appropriate regulations.



Spill Control

For some hazardous or dangerous goods it is a requirement to contain any spillage that could possibly occur. The Spill Control containers come in various sizes depending on the volume of the hazardous chemical to be stored. These containers are corrosion resistant, maintenance free, stack when not in use.



Hazardous Goods Containers

These containers have been approved for the storage and transportation of hazardous goods. The container required depends on the type of hazardous goods to be transported.

Containers can be supplied for each of the UN Packaging Groups defined as:

Packaging Group I:

Great Danger - high hazard level (eg potassium cyanide)

Packaging Group II:

Medium Danger - medium hazard level (eg lead acid batteries)

Packaging Group III:

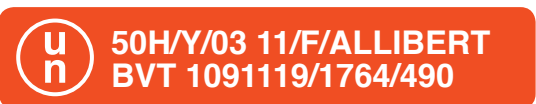
Minor Danger - low hazard level (eg diesel)



UN Certified Packaging

United Nations have established a universal system for the classification and packaging of dangerous goods to facilitate their safe transport. National and international regulations governing road, rail, sea and air transport are all based on the UN system. Under the regulations, packaging must meet or exceed minimum standards of performance before it can be authorised for the carriage of dangerous goods. Package performance is established by subjecting the packaging to tests described in Chapter 6.1 of the UN Model Regulations.

If they pass, any packaging subsequently manufactured to that specification, (design-type) may be regarded as meeting the requirements and marked accordingly. The packaging can then be allocated a unique UN approval mark.



RTP

Materials Handling Limited



Bulk Containers

— an object used for or capable of holding, esp for transport or storage

RTP Materials Handling Limited has a wealth of knowledge regarding the strengths and weaknesses of all the containers and boxes on the market and work with all the major box manufacturers.

Industrial, Food, Manufacturing, Retail or Transport - whatever the job, there is always the right size and style of box for the job. From food to bottle caps we can offer the most comprehensive range of bulk containers and hoppers to move it. Whether you are moving liquid, solid or powder all these containers are designed with fork lift access pallet bases to make the best use of transport and storage space.

Folding Large Container

Folding Large Containers (FLC's) are heavy duty large cubic volume boxes with the advantages of folding down when not in use or being returned empty saving up to 80% of space. The heavy duty they are able to be multi-stacked with heavy loads in each container.

Other types of FLC's are lightweight sleeve pack containers designed for RTP systems. In each case the pallet base eases handling.

Bulk Containers

These are pallet sized boxes for static storage and distribution which tend to be heavy duty in both their load ratings and robustness. They can be used in tough industrial environments as well as for bulk foods. Most of these boxes have pallet bases to improve movement.



Metal Stillages

A Metal Stillage is a pallet with some form of support specifically tailored to the material it is intended to carry. Metal stillages are mainly used to transport goods without needing to load and unload the product saving time and decreasing the chance of damage.

Metal Stillages can be made to any size and can be engineered for any weight or loading required. There are 4 main categories of metal stillage any of which can be fabricated for special use:

Cage Pallets - (this includes Gitter Boxes and Hypacages)

Mesh sided pallets and stillages which can be supplied with or without gates or doors to allow access to the contents. This type of stillage may be stacked and some designs can be folded flat when not in use.



Box Pallets

These stillages have solid metal sides. They can be supplied with drop gates or doors depending on loading and use. Box Pallets can be made to take any loading specified and may also be stacked. These pallets can also be supplied in a variety of colours.



Post Pallets

This type of Metal Stillage consists of a base with posts at each corner of the base and no sides. The posts can be fixed or removable. With fixed posts the pallet bases can be spiralled and stacked for economic storage as well as be block stacked for maximum density of storage of pallets. Those pallets with removable posts can be stacked post free and the posts can be stored separately. Post pallets are available with a wide selection of post lengths. Post pallets can also be used for handling long or awkward loads such as rolls of cloth which can hang out over the post pallet base. Tower racks are demountable post pallets with removable corner posts designed to stack fully laden pallets.



Retention Units

These units convert an ordinary pallet into a stillage. Retention Units have 4 mesh sides that are attached to the pallet converting the pallet into a safe storage system for picking products in racking and transport systems.



RTP

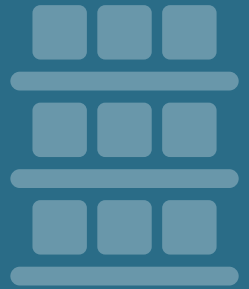
Materials Handling Limited



Storage

— the means to hold supplies
or tools for future use

RTP Materials Handling Limited offer storage solutions for every storage situation your company requires. From Pull Out Shelving to Racking, Pallets and Mobile Storage, we can cover every eventuality.



Pull Out Shelves

Our Pull Out Shelf units are strong and easy to use. They are also versatile and can be adjusted to fit best practice.

Each shelf is capable of taking 300kg uniformly distributed load (UDL). This is ideal for heavy tools or components that require an overhead hoist to be moved into position. The shelf just needs to be pulled out, the crane attached to the component or tool and it is then ready to be moved to its desired location.

As some components require no metal to metal contact, the shelves are covered in rubber. This also stops the component moving on the shelf.

For components that have to be kept vertical, we can supply shelves with dividers which can be covered by plastic arcs. The UDL of the shelf remains at 300kg.

In order to use these units safely, they have holes for floor bolts and are supplied with bushes.

The units are also supplied with an Operators Manual and training can be provided.



Shelving and Racking

We can supply the right solution for your shelving requirements. Whether it is gravity racking for your FIFO (first in first out) job flow or heavy duty static shelving for storing components or tools, we can advise, suggest and provide the best solution for you.



Pallets

Plastic pallets are strong, durable and clean. The range of plastic pallets is growing rapidly due to clean room environments, food processing and export restrictions on wood to a number of countries.

There are light weight pallets used for one trip packaging through to heavy weight pallets used for racking and heavy loads. There are two widely used sizes in the UK, 1200mm x 1000mm or 1200mm x 800mm but it is also possible to obtain pallets in imperial dimensions.

Pallets can be supplied with anti-slip, static conductive or dissipative finishes. To reduce the use of shrink wrap we have modified a pallet lid which is held in place with a retracting belt.



Mobile Storage

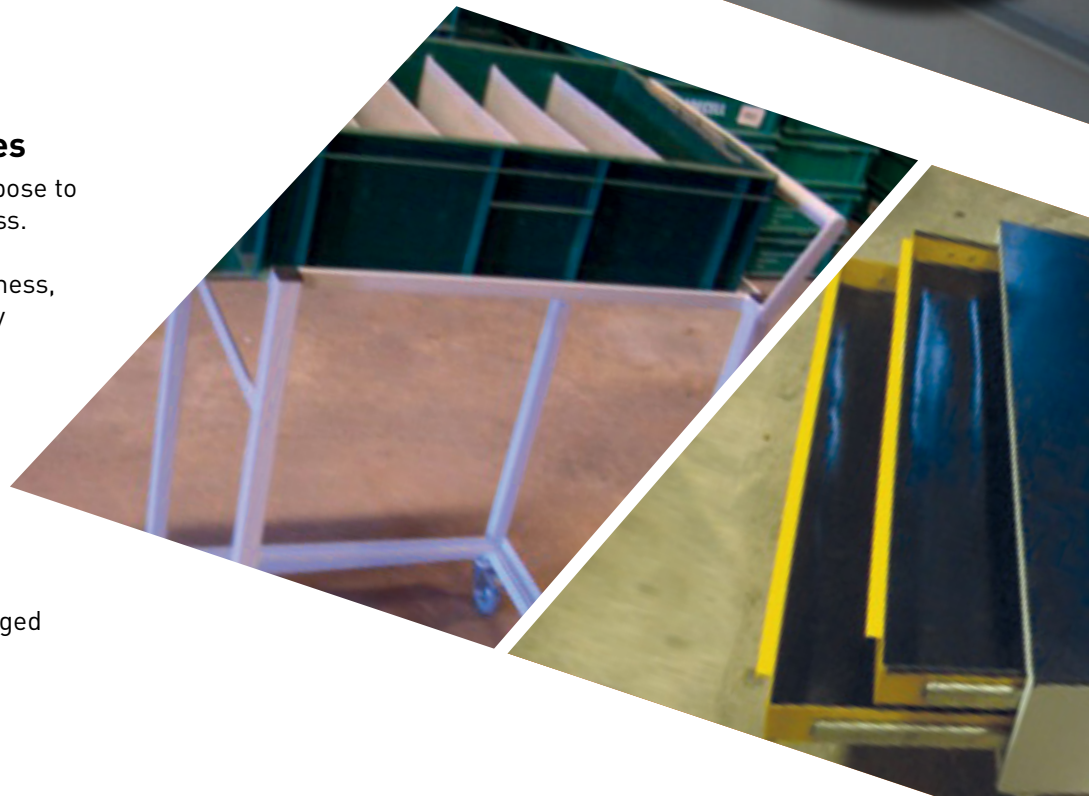
Trolleys and Plastic Boxes

Trolleys can be designed for purpose to take the boxes used in the process.

Due to their strength and robustness, the boxes can be used repeatedly within a closed loop system so reducing your liability under the EEC Waste and Waste Packaging legislation.

Work in Progress

Using mobile storage in your WIP system leads to Lean Manufacturing. WIP, when managed correctly, is also storage.



RTP

Materials Handling Limited



Knowledge

— acquaintance or familiarity
gained by sight & experience



What RTP Materials Handling Limited can offer you.

We listen to our customers, observe their procedures and develop LEAN manufacturing packaging solutions to reduce costs, improve efficiency and aid adherence to quality requirements for all large and small companies.

RTP look at the flow of a company's products, looking for areas of scrap in components and packaging usage, areas of restriction or poor movement (the hidden costs to the business). With the increasing push to reduce our waste under the EEC Waste and Waste Packaging regulations, a purpose designed returnable transit packaging or closed loop packaging system will last for many years saving landfill waste and the costs associated with this.

Once we have completed a site survey we can design a purpose made closed loop packaging system consisting of containers and dunnage, trolleys and dollies in the right material to maximise the life span of the containers and protect the components. Designed to save man hours, a purpose made container can ease the loading and unloading of components.

We supply the right product for the job using materials that are suitable and capable of providing the support, protection and durability required.

Our unique packaging systems are designed around your components using our years of experience. This will fit in with LEAN manufacturing reducing waste on:



Overproduction



Time on hand



Transportation



Processing



Stock at hand



Movement



Making defective products



RTP INCORPORATE
LEAN MANUFACTURING
TO HELP REDUCE WASTE

Packaging comparisons

RTP Materials Handling Ltd can supply the site survey, concept, design prototyping and product required to make the improvements that ensure your company's packaging needs go with the flow.

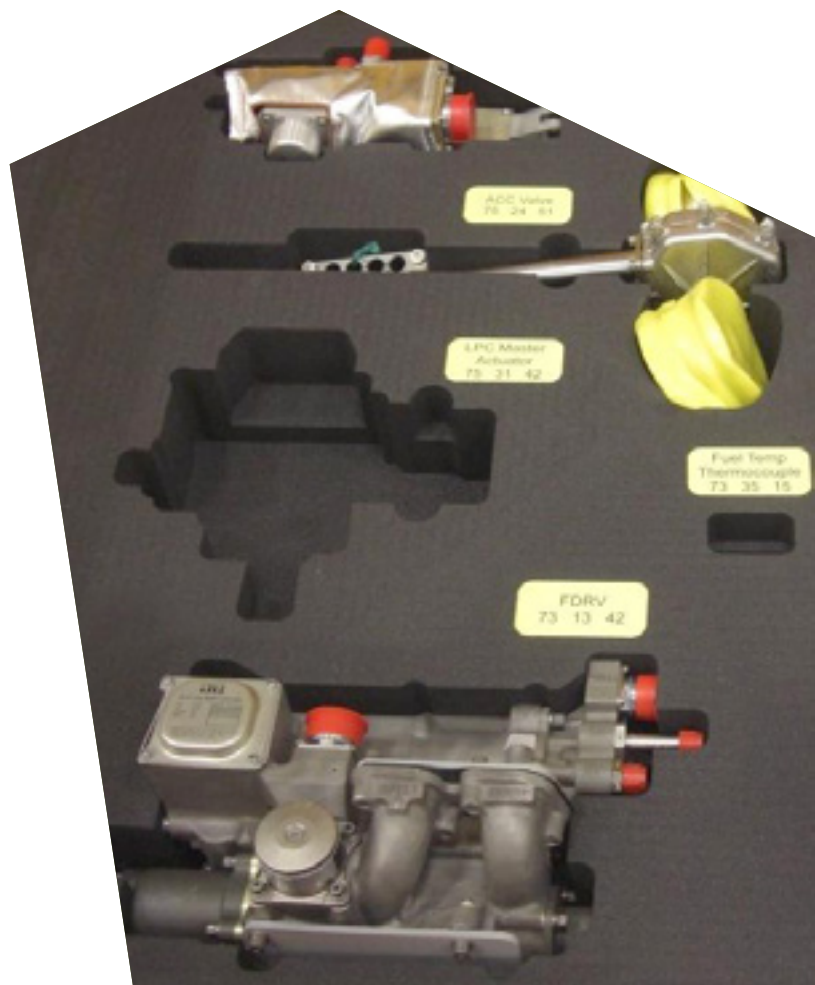


Historic packaging

- Contents randomly protected
- Identification of contents difficult and time consuming
- Removal of contents difficult and time consuming
- Repacking product is time consuming
- Inspection of items time consuming and difficult
- Disposal of single use packaging expensive

The RTP Materials Handling Limited packaging solution

- Contents fully protected
- Identification of contents straight forward
- Removal of contents quick and easy
- Repacking product is fast and precise
- Inspection of packaged items simple and fast
- Solution is reusable for a number of years



RTP

Materials Handling Limited



Dunnage

— protective packaging to securely hold items inside the container



RTP Materials Handling Ltd have years of experience in Designing and Supplying the best solution for your particular needs.

Benefits of a well designed Dunnage Solution include:

- Long term cost savings
- Improved handling making operating time more efficient
- Full protection for components, reducing scrap rates
- Lasts for years - Eliminates all disposable packaging costs for both purchasing and disposal aspects
- Versatile and easy to manage.

Whether low volume or mass production operations, RTP Materials Handling Ltd will deliver the right solution.

Foam Inserts

CNC Routed/ Die Cut Foam Inserts provide impact protection for delicate and precision products. It is cost effective for small and medium runs as no expensive tooling is required.

It is possible to have a multitude of Closed Cell materials machined in a variety of colours, ideal for tool control and visual signals.

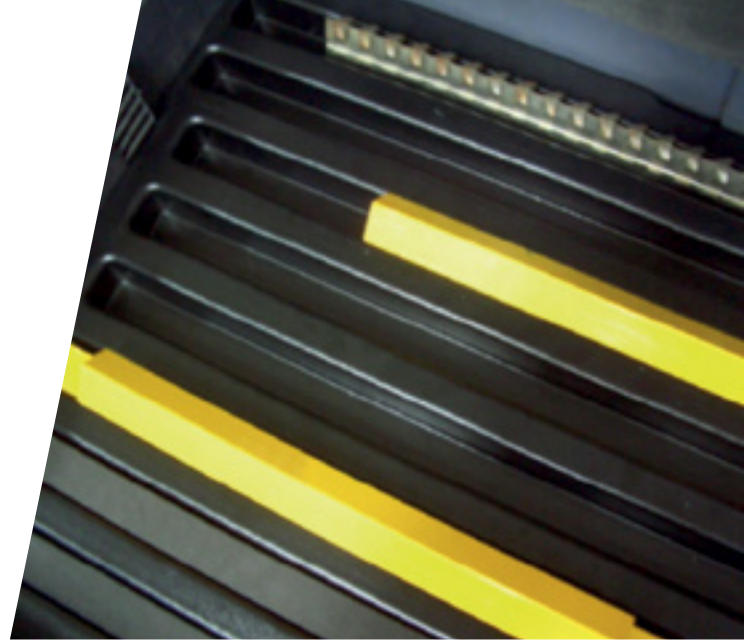
Divider Inserts using Metaboard foam sheets for simple and versatile pocket sets can also be supplied.



Thermaforming

The low tooling costs for a product which is strong and durable means vacuum forming is a cost effective solution for a small to medium volume production.

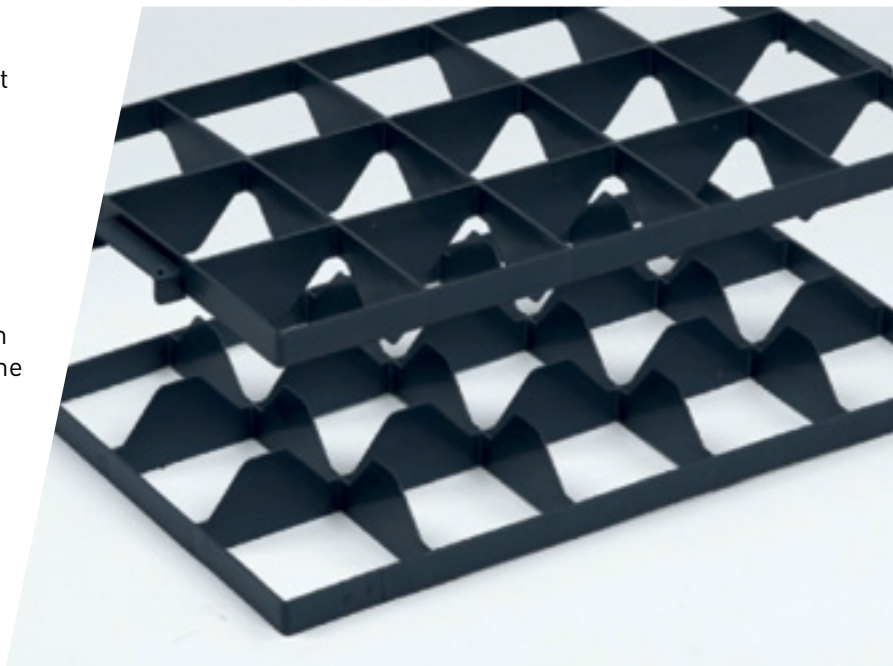
Using materials such as Acrylics, ABS, Polypropylene, Polyethylene and high impact polystyrene (HIPS), in thicknesses from 0.5mm to 10mm and any footprint up to 1200mm x 1200mm, we can offer a cost effective, quality solution that will last for years.



Injection Moulding

Precision formings with low piece price is the best solution for high volume and automated systems. We offer solid mouldings in most polymers including polypropylene and polyethylene. Due to the cost of the tooling, this is best suited to high volume requirements.









We also offer polystyrene and expanded polypropylene ideal where protection or insulation is required. This is good for medium to high volume requirements with competitively priced tooling.



Plastic Welding Fabrication

This type of dunnage is for small volumes of trays where the tray is to be used as generic dunnage. This method is cost effective where components just need separation. These dividers can be used in any size box. These inserts are durable, easy to clean and ideal for heavy duty use.



-  Knowledge
-  Containers
-  Dunnage
-  Tracking
-  Movement
-  Work in Progress
-  Storage
-  Transport

RTP Materials Handling Ltd

Unit 13 Warren Farm
 Kentisbeare, Cullompton
 Devon. EX15 2BR

T: 01884 308218

F: 01884 266138

E: info@rtpmh.com

W: www.rtpmh.com



This folder is printed with vegetable based inks on Elemental Chlorine Free paper from responsible sources.

