



**SEYMOUR MANUFACTURING INTERNATIONAL LIMITED**



**SMI**

**thermal protection perfection**

# WHO WE ARE, AND WHAT WE DO

Seymour Manufacturing International is a family-run company which has been saving energy and money for some of the world's biggest and best-known businesses since the 1980s.

Our client list is a who's who of blue-chip brands, including retailers such as Waitrose, Morrisons, ASDA, Tesco, Marks & Spencer, The Co-operative, Lidl, and many more.

We also work with the NHS, the Ministry of Defence, and have become a leading thermal insulation supplier for the protection of food, chemicals, agricultural and home delivery products.

It's all thanks to Temprow, SMI's remarkable lightweight thermal insulation material which has been scientifically proven to cut energy loss by at least 25% in chillers, and an amazing 33% in freezers.

That's why SMI was the first choice for intrepid explorer Sir Ranulph Fiennes when he headed off towards the South Pole, needing to protect his living quarters and tractor units and portable laboratories from dangerous sub-zero temperatures.

From supermarket coldrooms to food haulage fleets, blood banks and chemical installations, we specialise in finding simple solutions to temperature maintenance problems, helping clients to save money, and energy in the process.

Our headquarters and UK manufacturing base is in Telford, where the majority of our passionate and hard-working team are based.

But we are active all over the UK as well as exporting to France, Germany, Spain, Portugal, Poland, the Czech Republic, Switzerland, Belgium, The Netherlands, Ireland, Sweden, Slovakia, Saudi Arabia, Australia, Canada and South Africa.

All of our products are easily cleaned, anti-fungicidal, of hard-wearing construction, UV stabilised and flame retardant – and most can be made to fit any shape, size, or application.



We have invented, produced and marketed a constantly evolving product range with the ability to surprise people by saving energy for so many industries . . . cutting both carbon emissions, and costs.

Jill Seymour, SMI Managing Director



Chairman Brian Seymour  
with Sir Ranulph Fiennes

*"The Temprow covers were quite remarkable – not only did they provide the vital insulation to keep the team warm but they also withstood the frequent winter storms. These bespoke covers were the first line of defence against the elements."*

**– Sir Ranulph Fiennes**

## WANT TO KNOW MORE?

You'll find product specifications, pictures, videos and ordering details on our website:

[www.seymour-mi.com](http://www.seymour-mi.com)

If you'd like to visit our showroom at our UK manufacturing centre to see Temprow in action for yourselves, please get in touch. Alternatively, we would be delighted to come out and visit you.

**When it comes to the innovative SMI range, seeing really is believing...**



**"Significant energy and carbon savings..."**



## **COLD-STOP® CURTAINS**

Cold-Stop® curtains are a revolutionary and cost-effective alternative to plastic strip curtains which are used in many coldrooms.

Field trials indicate that the typical value of a Cold-Stop® curtain is at least 10 times greater than PVC strip types.

Tempro® gives the curtains unique insulation properties, saving energy, and reducing floor ice and all of its associated hazards.

### **BENEFITS**

- \* Maximum return on investment in a minimum time period
- \* Soft, user friendly and cannot be removed easily by staff
- \* Low maintenance; easily cleaned, hygienic and easy to repair or replace should damage occur
- \* Curtains are light, flexible, fit well and do not split thus avoiding the expense of frequent costly replacement
- \* Field trials indicate the life of the curtain is 5 to 6 times longer than PVC strip types, providing substantial capital savings
- \* Unique 'cold lock' system ensures that curtains fit neatly and effectively to the floor and ceiling, saving costly energy. Unique patented header arrangement is a design and efficiency breakthrough



Cold-Stop® curtains are available in standard widths of 300mm for pedestrian doors, 350mm for industrial pedestrian/forklift doors, or bespoke heights.

All come with deep, clear windows – single for pedestrian doors and double for industrial pedestrian/fork-lift doors. They are quickly and easily installed.

It is hard to believe the outside temperature of Cold-Stop® curtains in a freezer can register 10°C at the same time as the inside surface records at -21°C...that's a staggering 31°C difference.

As a result of this thermal efficiency, our Cold-Stop® curtains are scientifically proven to provide minimum energy savings of 25% in chillers, and an amazing 33% in freezers, and with an impressive ROI of less than 6 months.

***"Saving you energy,  
and money"***

## THE BACK-STOP® RANGE

When a vehicle's back doors are open, Back-Stop's® Tempro® curtains retain 100% of the air which has been expensively chilled or frozen.

Even when a driver is carrying out a delivery, only 25% of the door needs to be opened.

### BENEFITS

- \* A breakthrough in cost and energy savings for the food and temperature-sensitive delivery sectors
- \* Unique header system holds four moveable curtains, creating an outstanding thermal energy barrier, saving enormous costs
- \* The twin track, pelmet and double line Tempro® curtain system is simple and versatile
- \* Available in either a manual or touch button air-compressed configuration
- \* Driver-friendly, and easily repaired, replaced or recycled
- \* Curtains fitted with Bio-Gard® anti-bacterial windows
- \* Available as an option for new goods vehicles, or retrofitted

### ALSO AVAILABLE

Within the Back-Stop range there are various options – Back-Stop Fixed; Back-Stop Moving; Multi-Stop Fixed and Multi-Stop Moving. Back-Stop Curtains open left or right. Multi-Stop Curtains can open any way needed.



*"A 58% improvement in temperature retention, compared to a vehicle with original plastic curtains."*

**- Apetito**





## ROLL CAGE COVERS, LINERS AND PALLET COVERS

### ***“Create your own temperature-controlled environment...”***

Tempro® thermal roll-cage covers and liners offer enormous savings when using vehicles to transport chilled, frozen and ambient products. Hanging handles, identification pockets and meter pouches can be easily added.

Our unique Tempro® Adjustable Pallet Covers extend in height from 900mm to 1800mm, and are ideal for part-reducing or varying pallet loads. Half the height means double the thermal protection.

Our roll-cage covers, liners and adjustable pallet covers allow mixed temperature loads to be carried on any vehicle.

#### **BENEFITS**

- \* Tempro® covers bypass the need for cold rooms, saving time and reducing labour and transport costs by up to 60%
- \* Tailor-made to client requirements, with some standard sizes available ex-stock
- \* Offers outstanding thermal protection in any environment
- \* Can be closed or height adjusted using Velcro or zips
- \* SMI chilled blocks can extend thermal protection
- \* UK and Euro pallet sizes are both available ex-stock
- \* Easy to be repaired, replaced or recycled



# COLD-KORNER AND COLD-KUBE

## COLD-KORNER

***“Extra chilled space...cornered.”***

An instant chill space that can be operational in minutes, and then folded away just as quickly.

### **BENEFITS**

- ❄️ Creates a fast and flexible chill space, only when you need it
- ❄️ Provides 2°C in under 15 minutes from a 13amp fast draw-down evaporator
- ❄️ Track-Rack® shelving can be added to maximise storage and temperature control
- ❄️ Allows you to hold reserve stock, to maintain sales
- ❄️ Requires little service or maintenance, and minimal capital outlay



## COLD-KUBE

***“Chilled space...anywhere,  
any time.”***

A rapidly deployed chilled module that can be assembled in a very short time, around SMI's Track-Rack® interlocking shelving or frame.

### **BENEFITS**

- ❄️ Instant extra chilled space at times of high demand
- ❄️ Robust evaporator on swivel wheels runs from 13amp supply or generator
- ❄️ Inexpensive to buy, and economical to operate
- ❄️ Adjustable shelf heights which cater for most products and sizes
- ❄️ Also available in non-shelving version (Chill-Kube)



# GREEN DOOR AND TCZ

## GREEN DOOR

***“Say goodbye to the nightmare ‘night door’...”***

Green Door is a unique innovation with a simple aim – to supply the most cost-effective cold room door on the market, with the longest life and minimum servicing requirement.

It is a lightweight and much more user-friendly replacement for the unwieldy ‘night door’ and can save at least 25% of energy in chillers.

Green Door is a versatile, single or double-leafed 180-degree swing door, with changeable parts and see-through anti-bacterial windows.



## BENEFITS

- \* Enormous energy savings
- \* Lightweight and user-friendly
- \* Replaces the unwieldy ‘night door’
- \* Integral Tempro® thermal protection
- \* Built-in shock resisting impact buffers
- \* Bio-Gard® anti bacterial window
- \* Unique profile and gasket prevents thermal bridging
- \* Easily serviced, with pop-in gaskets adjustable to door size

## TEMPERATURE CONTROL ZONE (TCZ)

***“Hang up a coldroom...!”***

Our TCZ is a modern and inexpensive answer to instant temporary or permanent chilled storage spaces in supermarkets, warehouses or packing areas, to divide temperatures.

It can be any shape or size, and used as an instant coldroom or divider at times of high or fast-moving demand.

## BENEFITS

- \* Operational in minutes, and folded away quickly
- \* Two-way pelmet system keeps cold air in, and ambient air out
- \* Light in weight, hard-wearing, and easily cleaned, repaired or replaced
- \* Tempro® curtains are hung from SMI’s specialised track and pelmet system
- \* A Cold-Lock skirt adjusts to uneven floors, and can be easily removed to clean or replace





***"Economical  
stacking and  
racking."***

## **TRACK-RACK**

A competitively priced tough, attractive but no-nonsense shelving system for the food, non-food, catering and many other industries.

This is a lightweight assembly which clicks together anodised aluminium frames with high impact washable blue plastic vorticular shelves.

Hard wearing and modular, it has supported weights of 425kg (957lb) during tests.

### **BENEFITS**

- \* All comes flat packed for easy assembly. Simple to erect, extend or re-erect without any tools, although a plastic mallet would be an advantage
- \* Two heights, two depths, 11 choices of shelf height and six convenient lengths
- \* Can be assembled to fit any size room or cut exactly to size
- \* Unique REAR GUARD prevents stock falling off the back of shelf, thus reducing waste and improving hygiene
- \* Corner fittings for right-angles
- \* Shelves may be fitted eleven high or at any single height to suit demand
- \* Can be mobile by adding braked and swivel wheels
- \* All parts can be repaired, replaced, or recycled





# SAFE-STEPS

***"A giant step towards convenience and safety."***

The Safe Two Step Trolley and its bigger brother the Safe Three Step Trolley have been assuring the safety of thousands of your merchandising staff over 25 years.

It's used for loading shelves in supermarkets, libraries, shops of all types, stores and anywhere safety is needed to place stock, products, or records easily and safely upon shelves.

The secret is as simple as it is effective – stand on an SMI Safe Two Step or Safe Three Step Trolley and you are immediately safe.

The minute you pull down the steps the wheels are automatically lifted at the step end and your weight anchors the unit to the floor so you can safely stand on the steps.

Returning the steps to their wheeling position will allow the unit to glide easily on its four swivel wheels to the next location.

No wonder Health and Safety Officers love this effective unit.

The Safe Three Step trolley has an additional handrail because it is slightly higher but carries the same maximum safety features as the Two Step Trolley.

## **BENEFITS**

- \* 100% safety assured by the automatic fulcrum action
- \* Easy to move and operate
- \* Usable wrap around load-bearing top work surface
- \* Robust welded aluminium construction with double strength parts
- \* Non-slip Safe Steps
- \* Both standard models are ex-stock but bespoke types can be easily made to individuals specifications
- \* Inexpensive to buy
- \* All parts may be repaired, replaced or recycled

Optional accessories available include replacement rubber feet; detachable waste disposal bags; thermal or non-thermal covers.



# CATERING EQUIPMENT

***"Our metal has been tested for over 30 years."***

Since the mid-1980s SMI has been designing and developing inexpensive hygienic answers in stainless steel and aluminium for the food industry.

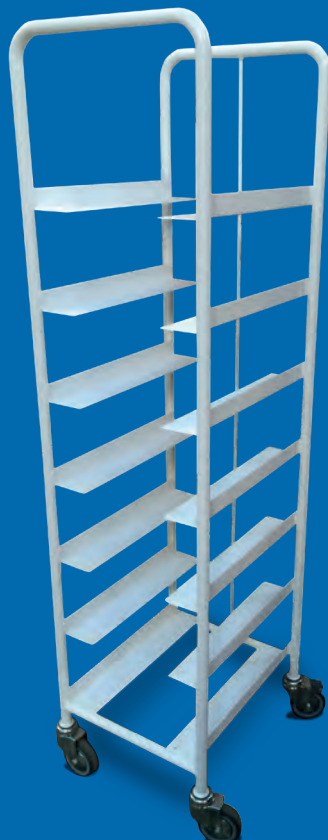
Holders, trolleys, and dispensers of all varieties, both ex-stock and bespoke are manufactured to very high standards.

SMI have a range of high-quality stainless-steel products, ideally suited for food manufacturing facilities; catering, including restaurant kitchens; deli, meat and fish counters and bakeries.

The list of products available is endless, with everything available to see on our website.

## **BENEFITS**

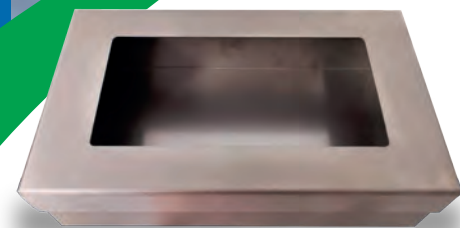
- \* Bespoke or small runs
- \* Tailor-made solutions to storage requirements
- \* Technical support to provide economical answers
- \* Aluminium fabricated products to ISO 9001
- \* Made to last a hygienic lifetime



**Quick Clear  
Trolley**



**4-Tier  
Trolley**



**Cloth  
Dispenser**



**Knife  
Holder**



**Deli Wrap  
Dispenser**

**If the product you need isn't within our current range, SMI® have the ability and willingness to fulfil our customers' needs by adapting existing products, or designing bespoke items, so please contact us to discuss your requirements further.**



## MANUFACTURING

***“Proud to be a UK-based manufacturer.”***

At our facility in Telford, SMI’s manufacturing team can support with all bespoke own design requirements, with many products outside the normal product range.

The range of industries/solutions covered by the SMI range is immense; and it’s all thanks to Temprow®, SMI’s remarkable lightweight thermal insulation material.

SMI is a world leader in thermal insulation for the protection of food, chemicals, agricultural and home delivery products.

From supermarket coldrooms to food haulage fleets, blood banks and chemical installations, SMI specialises in finding **simple solutions** to temperature maintenance problems, helping clients to **save money, and energy** in the process.

We work closely with our customers from the concept stage; design, which could include a sketch; engineering drawings and specification; manufacturing of a sample; testing (if required) and final sign-off.

Once approved and order received, we can manufacture to the customer’s quantity requirements.

SMI has been ISO accredited since 2008 for the design, development, manufacture and supply of thermal insulation systems, equipment and associated products to the food and logistics industries.



**We hold extensive stock in our warehouse and have the capability of manufacturing any bespoke product for one-offs, or small runs, to large rollouts.**



# TEMPRO®

***“A quantum leap in energy-efficient thermal protection...”***

Tempro® is SMI’s unique lightweight insulation material with exceptional thermal properties.

It is used across a wide range of industries including food retail and processing, pharmaceuticals, agriculture, logistics, the Ministry of Defence, the NHS, and many more.

Curtains for cold rooms . . . thermal covers for pallets and roll cages . . . temporary cold rooms . . . they’re all taking advantage of the cost and energy savings which Tempro® provides.

It acts as a barrier material, reducing convection and preventing warm air from mixing freely with cold air by creating energy-efficient insulating gaps.

And its performance never wanes . . . Tempro’s® unique and fire-resistant make-up means it provides outstanding thermal protection for its entire lifetime.

## FIVE TOP REASONS WHY TEMPRO® CAN’T BE BEATEN

- ❄️ Scientifically proven to cut energy loss by at least 25% in chillers, and an amazing 33% in freezers
- ❄️ Remains unchallenged as the world’s thinnest and most thermally efficient material of its kind
- ❄️ The incredible thermal properties have been validated by Intertek
- ❄️ Acts as a barrier material, reducing convection and preventing warm air from mixing freely with cold air by creating energy-efficient insulating gaps
- ❄️ Performance never wanes - Tempro’s® unique and fire-resistant make-up means it continues to provide outstanding thermal protection for its entire lifetime

Tempro® Specification	Thermal Resistance			Thermal Transmittance
	Tog	Clo	R Value m²K/W	U Value W/(m²K)
Tempro® Standard	6.6	4.26	0.66	1.52
Tempro® Extra	9.137	5.893	0.914	1.090

Tempro® has been shown to have a thermal conductivity (Lambda λ) as low as 0.025 W/mK



## CONTACT US

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