Welcome to Proseal

Formed by directors Steve Malone and Robbie Hargreaves in 1998, Proseal has not only become the leading manufacturer of tray sealing machinery and tooling in the UK, but is now recognised as a major force internationally, having extended its operation into a number of sites overseas.

Our aim is to be an innovative and pioneering organisation within the fast paced food industry, and to take pride, not only in producing a range of high quality, efficient, cost effective tray sealing machines, but also in providing a service that surpasses our customers’ expectations.

Our reputation was founded on excellent customer services and the ability to design and produce consistently reliable machines.

With many years’ experience in the tray sealing industry, we have a deep
Welcome to Proseal

Mechanical design
With a team of highly skilled, forward thinking design engineers, each with many years experience in the food industry and an in-depth understanding of the requirements of the modern food manufacturer, Proseal products are designed using state of the art 3D-modelling software and in house tooling for a fast turnaround service.

Systems design
Our team of systems engineers design our equipment to create a fully integrated turnkey production line. From our headquarters in the UK, via internet connection with our equipment, we are able to remotely monitor and diagnose faults anywhere in the world.

Manufacture
All Proseal machines are manufactured at our 3 international sites. We have the latest high speed CNC machine tool manufacturing facility enabling us to offer our customers fast turnaround times as well as allowing us to offer a same day dispatch service for non-stock parts. We also make our own blades using our CNC blade bending machine for consistent quality and 24 hour delivery.

Assembly
The assembly line at Proseal is where the machines are built by highly experienced fitters and electrical engineers to the highest standards. They then pass through a rigorous pre-delivery inspection and testing regime before being dispatched to the customer.
Trays and materials

Our expertise in tray sealing systems stretches across a broad spectrum of machinery.

Working together with leading tray and film manufacturers we have extensive experience in the usage of a diverse range of packaging materials, including modified atmosphere packing.

This, coupled with our simple no nonsense design philosophy, enables us to provide competitively priced reliable tooling for a wide variety of machine applications.

We believe our substantial CNC capability enables us to provide an unrivalled turnaround service.

We are very proud to have a close working relationship with our packaging material suppliers. Through the sharing of ideas and knowledge, we are able to ensure that our clients receive the optimum solution for their application.

ROBBIE HARGREAVES | DIRECTOR
Test facilities

Offering full testing facilities in our test kitchen we can advise on which packaging is suitable for your application and also recommend suppliers.

Our customers are able to bring their product to us where we can replicate production conditions such as gas flushing and check the packaging integrity and shelf life. All this is done without any costly investment in machinery and helps facilitate a smooth product launch.

We also work closely with our packaging suppliers to develop new technologies and innovations and at the same time provide a full testing service. Through our pioneering approach to machine development and new technology, we are constantly seeking to improve all aspects of our machines’ performance.

ALISTAIR PATON | DESIGN MANAGER
Service and after sales support

Proseal has gained a reputation within the food industry for unrivalled service and after sales support.

Our customers’ needs are our paramount priority and our whole business is centred around this. We understand the importance of minimising disruption to production, so if a problem does occur, we react quickly and efficiently.

RICK TINDALL | SERVICE MANAGER

All our automatic machines benefit from a comprehensive twelve months parts and labour warranty and service back-up facility. Our Service Cover is 24 hours, 7 days a week.

Our service department carries a complete range of spare parts offering our customers a same day dispatch service.

Our multi-skilled service engineers are available 24 hours a day, all year round. Supplemented with our 24/7 telephone support, we believe our customer after sales service is unbeatable.
Offering customers the complete packaging solution, Proseal manufactures an extensive range of manual, semi-automatic and fully-automatic tray sealing machines with throughputs from 6 to 240 packs per minute.

In addition, all tray sealing machines in our range are capable of modified atmosphere packaging.

Quality, service, precision and rapid response to customer requirements are the core values that we have taken forward into our own machine manufacture.

STEVE MALONE | DIRECTOR

Our GT tray sealing machine range

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Throughput</th>
</tr>
</thead>
<tbody>
<tr>
<td>GTa</td>
<td>Semi-automatic two station rotary table tray sealing machine</td>
<td>Up to 30 packs per minute</td>
</tr>
<tr>
<td>GTOe</td>
<td>Automatic in-line tray sealing system with full vacuum facility</td>
<td>Up to 60 packs per minute</td>
</tr>
<tr>
<td>GTRe</td>
<td>Automatic in-line tray sealing system</td>
<td>Up to 60 packs per minute</td>
</tr>
<tr>
<td>GTSh</td>
<td>Automatic, large capacity, high speed in-line tray sealing system</td>
<td>Up to 100 packs per minute</td>
</tr>
<tr>
<td>GT2s</td>
<td>Automatic, large capacity, high speed in-line tray sealing system</td>
<td>Up to 20 Skin Deep packs per minute</td>
</tr>
<tr>
<td>GT2e</td>
<td>Automatic, large capacity, high speed in-line tray sealing system</td>
<td>Up to 20 Skin Deep packs per minute</td>
</tr>
<tr>
<td>GT2sX/Twin</td>
<td>Automatic, large capacity, extra wide, high speed tray sealing system with optional twin lane</td>
<td>Up to 120/150 packs per minute</td>
</tr>
<tr>
<td>GT2eX/Twin</td>
<td>Automatic, large capacity, high speed in-line tray sealing system with full vacuum facility</td>
<td>Up to 120/150 packs per minute</td>
</tr>
<tr>
<td>GT4s</td>
<td>Automatic, large capacity, high speed in-line tray sealing system with full vacuum facility</td>
<td>Up to 25 Skin Deep packs per minute</td>
</tr>
<tr>
<td>GT4e</td>
<td>Automatic, large capacity, high speed in-line tray sealing system with full vacuum facility</td>
<td>Up to 25 Skin Deep packs per minute</td>
</tr>
<tr>
<td>GT5s</td>
<td>Automatic, extra-large capacity, high speed in-line tray sealing system with full vacuum facility</td>
<td>Up to 35/50 Skin Deep packs per minute</td>
</tr>
<tr>
<td>GT5e</td>
<td>Automatic, extra-large capacity, high speed in-line tray sealing system with full vacuum facility</td>
<td>Up to 35/50 Skin Deep packs per minute</td>
</tr>
<tr>
<td>GT6eX/Twin</td>
<td>Automatic, extra-large capacity, high speed in-line tray sealing system with optional twin lane</td>
<td>Up to 35/50 Skin Deep packs per minute</td>
</tr>
<tr>
<td>GT5eX/Twin</td>
<td>Automatic, extra-large capacity, high speed in-line tray sealing system with full vacuum facility</td>
<td>Up to 35/50 Skin Deep packs per minute</td>
</tr>
<tr>
<td>GT6eX/Twin</td>
<td>Automatic, extra-large capacity, high speed in-line tray sealing system with optional twin lane</td>
<td>Up to 35/50 Skin Deep packs per minute</td>
</tr>
<tr>
<td>GT3S/SV</td>
<td>Fully automatic linear conveyor carton sandwich wedge exercer and heat sealing system</td>
<td>Up to 120 packs per minute</td>
</tr>
</tbody>
</table>
Our Conveyors and Tool Storage

**OC Conveyor**
Open style linear conveyor with an intelligent filler control system

**SC Conveyor**
Flat belt style product transfer conveyor

**SlipStream**
Fully automatic conveyor designed to accept a stream of single trays and separate them into twin lane format

**SP30/60/90**
Linear conveyor sandwich packing system
Up to 30/60/90 packs per minute

**AP60**
Linear conveyor tray sealing system
Up to 160/180/240 packs per minute

**OC Twin Conveyor**
Open style twin lane linear conveyor with an intelligent filler control system

**Tool Storage**
Tool storage options are available for all our in-line GT range
A semi-automatic two station rotary table tray sealing machine capable of sealing up to 30 packs per minute.

The GTR machine is the workhorse of the ready meal industry. It is fully portable with automatic film-feed and capable of sealing up to 30 packs per minute. Ultra reliable and easy to operate, the GTR is used around the world and has become the benchmark for portable tray sealing equipment. Optional ‘free flow’ gas flush MAP (Modified Atmosphere Packaging) available for extended shelf life.

The quick release tooling allows the user to change from one tray size to another in less than two minutes.

### Packaging Materials

**Trays**
- C-PET
- A-PET
- R-PET
- Polypropylene
- PVC / Polyethylene
- Board / Paper
- Smooth Wall Foil
- Cardboard
- Sandwich Skillets

**Lidding**
- Co-extruded and Laminated Polyester Films
- Foil
- Board
- Paper

### GTR Specifications

<table>
<thead>
<tr>
<th></th>
<th>Height</th>
<th>Standard Length</th>
<th>Width</th>
<th>Weight</th>
<th>Pneumatic supply</th>
<th>Electrical supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>One</td>
<td>1698mm</td>
<td>1013mm</td>
<td>1156mm</td>
<td>220kg</td>
<td>5CFM (230L/min) at 80psi (5 bar)</td>
<td>230 VAC 2kW single phase (fused at 13A)</td>
</tr>
<tr>
<td>Two</td>
<td>1013mm</td>
<td>1156mm</td>
<td>90mm</td>
<td>270mm</td>
<td>80mm</td>
<td></td>
</tr>
<tr>
<td>Three</td>
<td>80mm</td>
<td>125mm</td>
<td>90mm</td>
<td>120mm</td>
<td>125mm</td>
<td></td>
</tr>
<tr>
<td>Four</td>
<td>165mm</td>
<td>80mm</td>
<td>90mm</td>
<td>120mm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### GTR Sealing capacity

<table>
<thead>
<tr>
<th>No. of trays</th>
<th>Length</th>
<th>Width</th>
<th>Depth</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>One</td>
<td>360mm</td>
<td>270mm</td>
<td>90mm</td>
<td>300mm</td>
</tr>
<tr>
<td>Two</td>
<td>270mm</td>
<td>165mm</td>
<td>90mm</td>
<td>250mm</td>
</tr>
<tr>
<td>Three</td>
<td>270mm</td>
<td>80mm</td>
<td>90mm</td>
<td>125mm</td>
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<tr>
<td>Four</td>
<td>120mm</td>
<td>165mm</td>
<td>90mm</td>
<td>120mm</td>
</tr>
</tbody>
</table>

### GTR Production Speed

- Up to 15 cycles per minute max atmospheric seal
- Up to 12 cycles per minute gas flush

### Options available

- Free flow gas flush MAP (Modified Atmosphere Packaging)
- High Oxygen (O2) gas flush
- CLOSE CUT - Method of maximising throughput and reducing film waste
- Inboard Cut (IC) Option to provide ‘form, fill and seal’ tray presentation
- Film coding and printing
- Foil crimping
- Peripheral equipment integration
- HOT ROD - long-lasting, water resistant seal tool heating element giving reduced energy consumption especially developed for sealing Smooth Wall Foil Trays
- Sale, Lease Purchase and Rental options available

### Standard design features and benefits

- Two minute tool changer
- Low maintenance polymer bearings
- Simple and accurate film-feed system with easy film mode
- Maintenance friendly robust construction
- Accurate temperature and seal pressure control
- Fully portable and caster mounted
- High accuracy tool alignment system provides a constantly accurate sealing and/or film-cutting relationship with the tray flange profile
- Simple design and operation
- All around seal only (No Cut) for packs with pre-cut or hinged lids
- All around seal and continued film-cut with skeletal film rewind
- Portable, with separate compressor (optional extra). Can be operated from a standard 220-240 VAC supply
- Automatic seal operation with accurate seal dwell time
- Food industry approved hygienic construction and washdown protection
- High accuracy tool alignment system incorporating revolutionary table damping system
- Full Category 3 guarding
- Standard and Gas Flush Tooling can be upgraded to operate on the GTO in-line machine

### Transformers are available to accommodate the electrical supplies in different countries

- Standard Length
- Width
- Height
- Weight
- Pneumatic supply
- Electrical supply
- Food industry approved hygienic construction and washdown protection
- High accuracy tool alignment system incorporating revolutionary table damping system
- Full Category 3 guarding
- Standard and Gas Flush Tooling can be upgraded to operate on the GTO in-line machine
- Safe, Lease Purchase and Rental options available
At the core of the e design is its flexibility to perform any style of heat seal to a pre-formed tray, be that atmospheric, MAP, VMAP, or Skin Deep. Each of these options can be added now or at a later date, or indeed removed as necessary. This flexibility provides the user with assurance that whatever the latest packing trend might be, they have equipment suitable geared for the future.

eSEAL® - high performance, high precision, high force electric seal system

Packaging Materials

<table>
<thead>
<tr>
<th>Trays</th>
<th>Lidding</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-PET</td>
<td>Co-extruded and Laminated Polyester Films</td>
</tr>
<tr>
<td>A-PET</td>
<td>Foil</td>
</tr>
<tr>
<td>R-PET</td>
<td>Board</td>
</tr>
<tr>
<td>PVC / Styrene</td>
<td>Paper</td>
</tr>
<tr>
<td>Board / Paper</td>
<td>Smooth Wall Foil</td>
</tr>
<tr>
<td>Cardboard</td>
<td>Sandwich Skillets</td>
</tr>
</tbody>
</table>

Options available

- Free flow gas flushing MAP (Modified Atmosphere Packaging)
- High Oxygen (O2) gas flush
- Vacuum - used for applications such as retorting or for when the lid level needs to be controlled
- Vacuum Gas - ideal for where residual gas levels have to be sub 1%
- SKIN - Skin packaging sub flange
- SKIN PLUS - Skin packaging up to 10mm above the tray flange
- SKIN DEEP - Skin packaging up to 15mm above the tray flange
- CLOSE CUT - Method of maximising throughput and reducing film waste
- Inboard Cut (IC) Option to provide ‘form, fill and seal’ tray presentation
- Film coding and printing
- Foil crimping
- Pastry blocking
- Pharmaceutical Blister Packaging Machines
- Sandwich Pack Sealing for Board, Recyclable and Non Recyclable Plastic
- Peripheral equipment integration
- HOT ROD - long-lasting, water resistant seal tool heating element giving reduced energy consumption especially developed for sealing Smooth Wall Foil Trays
- Sale, Lease Purchase and Rental options available

Standard design features and benefits

- Five minute tool changeover
- Low maintenance polymer bearings
- Simple and accurate film feed system with easy film route
- Maintenance friendly robust construction
- Accurate temperature and seal pressure control
- Auto Tool - Touch of a button tool change system, automatically locates and connects tools to machine functions including all MAP options
- Automatic film roll clamping
- Fully portable and castor mounted
- High accuracy tool alignment system provides a constantly accurate sealing and/or film cutting relationship with the tray flange profile
- Simple design and operation
- All around seal only (No Cut) for packs with pre-cut or hinged lids
- All around seal and contoured film cut with skeletal film rewind
- Portable, with separate compressor (optional extra). Can be operated from a standard 220-240 VAC supply
- Automatic seal operation with accurate seal dwelt time
- Food industry approved hygienic construction and washdown protection
- High accuracy tool alignment system incorporating revolutionary table damping system
- Full Category 3 guarding
- Tooling can be upgraded to operate on the GT0 in-line machine
- eSEAL® - high performance, high precision, high force electric seal system that benefits from an increased seal force of 600% whilst reducing compressed air usage by 92%

GTRe Specifications

<table>
<thead>
<tr>
<th>No. of trays</th>
<th>Length</th>
<th>Width</th>
<th>Depth</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>One</td>
<td>360mm</td>
<td>270mm</td>
<td>120mm</td>
<td>300mm</td>
</tr>
<tr>
<td>Two</td>
<td>270mm</td>
<td>165mm</td>
<td>120mm</td>
<td>210mm</td>
</tr>
<tr>
<td>Three</td>
<td>270mm</td>
<td>80mm</td>
<td>120mm</td>
<td>125mm</td>
</tr>
<tr>
<td>Four</td>
<td>120mm</td>
<td>165mm</td>
<td>120mm</td>
<td>120mm</td>
</tr>
</tbody>
</table>

GTRe Sealing capacity

- up to 6 cycles per minute Skin Deep
- up to 10 cycles per minute Vacuum Gas
- up to 12 cycles per minute Gas Flush
- up to 15 cycles per minute Standard Seal

GTRe Production Speed

- up to 6 cycles per minute Skin Deep
- up to 10 cycles per minute Vacuum Gas
- up to 12 cycles per minute Gas Flush
- up to 15 cycles per minute Standard Seal

Sales, Lease Purchase and Rental options available

- Fully portable and castor mounted
- Five minute tool changeover
- Low maintenance polymer bearings
- Simple and accurate film feed system with easy film route
- Maintenance friendly robust construction
- Accurate temperature and seal pressure control
- Auto Tool - Touch of a button tool change system, automatically locates and connects tools to machine functions including all MAP options
- Automatic film roll clamping
- Fully portable and castor mounted
- High accuracy tool alignment system provides a constantly accurate sealing and/or film cutting relationship with the tray flange profile
- Simple design and operation
- All around seal only (No Cut) for packs with pre-cut or hinged lids
- All around seal and contoured film cut with skeletal film rewind
- Portable, with separate compressor (optional extra). Can be operated from a standard 220-240 VAC supply
- Automatic seal operation with accurate seal dwelt time
- Food industry approved hygienic construction and washdown protection
- High accuracy tool alignment system incorporating revolutionary table damping system
- Full Category 3 guarding
- Tooling can be upgraded to operate on the GT0 in-line machine
- eSEAL® - high performance, high precision, high force electric seal system that benefits from an increased seal force of 600% whilst reducing compressed air usage by 92%
Automatic, medium capacity, high speed in-line tray sealing system designed to cut labour costs and produce up to 60 packs per minute.

Fully automatic high speed heat-sealing system, combining high throughput with rapid tool change and space saving compact design.

Optional ‘free flow’ gas flush MAP (Modified Atmosphere Packaging) available for extended shelf life.

Capable of up to 60 packs per minute with a 3 impression tool the GToS system is packed with user friendly benefits including our unique GT0s Promotion modular conveyor system.

Designed to accept randomly spaced trays from any conveyor and can be fully integrated with other line equipment.

**GT0s Specifications**

<table>
<thead>
<tr>
<th>Trays</th>
<th>Lidding</th>
<th>Weight</th>
<th>Pneumatic supply</th>
<th>Electrical supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-PET</td>
<td>Co-extruded and Laminated Polyester Films</td>
<td>812kg</td>
<td>130PM @ 20 cycles per minute</td>
<td>400VAC, 3kW 3 phase (fused at 16A)</td>
</tr>
<tr>
<td>A-PET</td>
<td>Foil</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A-PET</td>
<td>Board/Laminate</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polypropylene</td>
<td>Paper</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PVC/PS</td>
<td>Smooth Wall Foil</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**GT0s Production Speed**

- Up to 14 cycles per minute Gas Flush
- Up to 20 cycles per minute Standard Seal

**Options available**

- Free flow gas flush MAP (Modified Atmosphere Packaging)
- Close Cut - Method of maximizing throughput and reducing film waste
- Inboard Cut (IC) Option to provide Torn, fill and seal tray presentation
- Film coding and printing
- Foil crimping
- Active conveyors to allow the machine to be used as a straight through conveyor when packs don’t require sealing
- Back to back machine configurations
- Peripheral equipment integration
- Film end warning
- Rapid tool changeover
- Active conveyors to allow the machine to be used as a straight through conveyor when packs don’t require sealing
- Back to back machine configurations
- Peripheral equipment integration
- Film end warning
- Application of machine connection system to deliver real time data and error condition support, remote setup, and software upgrades using a customer’s existing IT network
- Ewon - intelligent film reel monitoring system actively adjusts film tension based on reel diameter to increase print quality and reduce component duty
- Protect - a contactless machine login and audit trail system
- Sale, Lease Purchase and Rental options available

**Games**

- 2585mm
- 1986mm
- 975mm
- 812kg

**Packaging Materials**

- Smooth Wall Foil
- Board/Paper
- PVC/PS
- Board/Paper
- Smooth Wall Foil
Automatic, medium capacity, in-line tray sealing system with full vacuum facility designed to cut labour costs.

At the core of the e design is its flexibility to perform any style of heat seal to a pre-formed tray, be that atmospheric, MAP, VMAP, Skin, Skin Plus, or Skin Deep. Each of these options can be added now or at a later date, or indeed removed as necessary. This flexibility provides the user with the assurance that whatever the latest packing trend might be, they have equipment suitably geared for the future.

Capable of producing up to 15 Skin Deep packs per minute with a 2 impression tool the GToe system is packed with user friendly benefits including our unique Promotion modular conveyor system. Designed to accept randomly spaced trays from any conveyor and can be fully integrated with other line equipment.

### GT0e Specifications

**Height**
2188mm

**Standard Length**
2587mm

**Width**
976mm

**Height**
1114kg

**Pneumatic supply**
1.7CFM @ 20 cycles per minute

**Electrical supply**
400 VAC 2kW 3 phase (fused at 16A)

**Options available**
- Free line gas flush MAP (Modified Atmosphere Packaging)
- High Oxygen (O2) gas flush
- Vacuum - used for applications such as retorting or for when the lid level needs to be controlled
- Vacuum Gas - ideal for where residual gas levels have to be sub 1%
- SKIN - Skin packaging sub flange
- SKIN PLUS - Skin packaging up to 50mm above the tray flange
- SKIN DEEP - Skin packaging up to 100mm above the tray flange
- CLOSE CUT - Method of maximising throughput and reducing film waste
- Inboard Tool (ICT) Option to provide Form, fill and seal tray presentation
- Film coding and printing
- Foil crimping
- Active conveyors to allow the machine to be used as a straight through conveyor when packs don’t require sealing
- Back-to-back machine configurations
- Peripheral equipment integration
- Film end warning
- eWON - a machine connection system to deliver real time data and error condition support, remote setup, and software upgrades, using a customer's existing IT network
- eDM - intelligent film reel monitoring system actively adjusts film tension based on reel diameter to increase print quality and reduce component duty
- Protect - a contactless machine login and audit trail system
- Sale, Lease Purchase and Rental options available

### GT0e Sealing capacity

<table>
<thead>
<tr>
<th>No. of trays</th>
<th>Length</th>
<th>Width</th>
<th>Depth</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>One</td>
<td>439mm</td>
<td>270mm</td>
<td>120mm</td>
<td>270mm</td>
</tr>
<tr>
<td>Two</td>
<td>270mm</td>
<td>270mm</td>
<td>120mm</td>
<td>270mm</td>
</tr>
<tr>
<td>Three</td>
<td>270mm</td>
<td>120mm</td>
<td>120mm</td>
<td>120mm</td>
</tr>
</tbody>
</table>

### GT0e Production Speed

- up to 6 cycles per minute. Skin Deep max
- up to 12 cycles per minute Vacuum Gas
- up to 14 cycles per minute Gas Flush
- up to 20 cycles per minute Standard Seal

### GT0e Packaging Materials

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<td>Polypropylene</td>
<td>Board</td>
</tr>
<tr>
<td>PVC / Styrene</td>
<td>Paper</td>
</tr>
<tr>
<td>Board / Paper</td>
<td>Paper</td>
</tr>
<tr>
<td>Smooth Wall Foil</td>
<td></td>
</tr>
</tbody>
</table>

### Options available

- Five minute tool changer
- Low maintenance polymer bearings
- Simple and accurate film feed system with easy film route
- Maintenance friendly robust construction
- Accurate temperature and seal pressure control
- High accuracy tool alignment system provides a constantly accurate sealing and/or film cutting relationship with the tray flange profile
- Simple design and operation
- Film snap detection
- Auto Tool Touch of a button tool change system, automatically locates and connects tooling to machine functions including all MAP options
- All around seal and contoured film cut with skeletal film rewind
- Automatic seal operation with accurate seal dwell time
- Self centering tray guides
- Automatic film roll clamping
- Food industry approved hygienic construction and washdown protection
- Full Category 3 guarding
- User friendly, menu driven control panel with step-by-step prompts, error and status displays, and useful batch pack counter
- Reciprocating machine settings
- Self diagnostic system
- Pendent mounted colour touch screen HMI control for full double-sided operation
- Recipe driven auto machine set-up for tool change
- On-screen data capture and trends with wireless connection option
- Pot crash avoidance system
- Active film tension
- Quick release conveyor belts for easy hygiene and maintenance
- eSEAL® - high performance, high precision, high force electric seal system that benefits from an increased seal force of 600% whilst reducing compressed air usage by 92%
- Promotion - a high accuracy continuous motion tray infeed system, which increases production speed whilst reducing machine duty
- Film waste – a machine connection system to deliver real time data and error condition support, remote setup, and software upgrades, using a customer’s existing IT network
- eDM - intelligent film reel monitoring system actively adjusts film tension based on reel diameter to increase print quality and reduce component duty
- Protect - a contactless machine login and audit trail system
- Sale, Lease Purchase and Rental options available

### GT0e Design

- High accuracy tool alignment system provides a constantly accurate sealing and/or film cutting relationship with the tray flange profile
- Accurate temperature and seal pressure control
- Maintenance friendly robust construction
- Simple design and operation
- Film snap detection
- Auto Tool Touch of a button tool change system, automatically locates and connects tooling to machine functions including all MAP options
- All around seal and contoured film cut with skeletal film rewind
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- Reciprocating machine settings
- Self diagnostic system
- Pendent mounted colour touch screen HMI control for full double-sided operation
- Recipe driven auto machine set-up for tool change
- On-screen data capture and trends with wireless connection option
- Pot crash avoidance system
- Active film tension
- Quick release conveyor belts for easy hygiene and maintenance
- eSEAL® - high performance, high precision, high force electric seal system that benefits from an increased seal force of 600% whilst reducing compressed air usage by 92%
- Promotion - a high accuracy continuous motion tray infeed system, which increases production speed whilst reducing machine duty
GT1s

Automatic, large capacity, high speed in-line tray sealing system designed to cut labour costs and produce up to 100 packs per minute.

Fully automatic high speed heat-sealing system, combining high throughput with rapid tool change and space saving compact design.

Optional ‘free-flow’ gas flush MAP (Modified Atmosphere Packaging) available for extended shelf life.

Capable of up to 100 packs per minute with a 5 impression tool the GT1s system is packed with user friendly benefits including our unique Promotion modular conveyor system.

Designed to accept randomly spaced trays from any conveyor and can be fully integrated with other line equipment.

**GT1s Specifications**

<table>
<thead>
<tr>
<th>Trays</th>
<th>Lidding</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-PET</td>
<td>Co-extruded and Laminated Polyester films</td>
</tr>
<tr>
<td>A-PET</td>
<td>Foil</td>
</tr>
<tr>
<td>B-PET</td>
<td>Board / Paper</td>
</tr>
<tr>
<td>R-PET</td>
<td>Smooth Wall Felt</td>
</tr>
</tbody>
</table>

**GT1s Sealing capacity**

<table>
<thead>
<tr>
<th>No. of trays</th>
<th>Length</th>
<th>Width</th>
<th>Depth</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>One</td>
<td>270mm</td>
<td>210mm</td>
<td>105mm</td>
<td>270mm</td>
</tr>
<tr>
<td>Two</td>
<td>335mm</td>
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<td>105mm</td>
<td>270mm</td>
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<tr>
<td>Three</td>
<td>270mm</td>
<td>212mm</td>
<td>105mm</td>
<td>230mm</td>
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<tr>
<td>Four</td>
<td>270mm</td>
<td>153mm</td>
<td>105mm</td>
<td>163mm</td>
</tr>
<tr>
<td>Five</td>
<td>670mm</td>
<td>270mm</td>
<td>105mm</td>
<td>270mm</td>
</tr>
</tbody>
</table>

**GT1s Production Speed**

- up to 20 cycles per minute Standard Seal
- up to 14 cycles per minute Gas Flush

**Standard design features and benefits**

- Two-minute tool changeover
- Low maintenance polymer bearings
- Simple and accurate film-feed system with easy film route
- Maintenance friendly robust construction
- Accurate temperature and seal pressure control
- High accuracy tool alignment system provides a constantly accurate sealing and/or film-cutting relationship with the tray flange profile
- Simple design and operation
- Film snap detection
- Auto Tool - Touch of a button tool change system, automatically locates and connects tooling to machine functions including all MAP options
- All around seal and contoured film-cut with skeletal film rewind
- Automatic seal operation with accurate seal dwell time
- Self-centering tray guides
- Automatic film roll clamping.
- Food industry approved hygienic construction and washdown protection
- Full Category 3 guarding
- User friendly, menu-driven control panel with step-by-step prompts, error and status displays, and useful batch pack counter
- Recipe handling of machine settings
- Self diagnostic system
- Pendant mounted colour touch screen HMI control for full double-sided operation
- Recipe driven auto machine set-up for tool change
- On-screen data capture and trends with wireless connection option
- Pot crush avoidance system
- Active film tension
- Quick release conveyor belts for easy hygiene and maintenance
- eSEAL® - high accuracy continuous motion tray infeed system, which increases production speed whilst reducing machine duty
- Food industry approved hygienic construction and washdown protection
- Film crisp detection
- Simple design and operation
- Pendant mounted colour touch screen HMI control for full double-sided operation
- Recipe driven auto machine set-up for tool change
- On-screen data capture and trends with wireless connection option
- Pot crush avoidance system
- Active film tension
- Quick release conveyor belts for easy hygiene and maintenance
- eSEAL® - high accuracy continuous motion tray infeed system, which increases production speed whilst reducing machine duty
- Perfume - a high accuracy continuous motion tray infeed system, which increases production speed whilst reducing machine duty.
Automatic, large capacity, high speed in-line tray sealing system with full vacuum facility designed to cut labour costs.

At the core of the design is its flexibility to perform any style of heat seal to a pre-formed tray, be that atmospheric, MAP, VMAP, Skin, Skin Plus, or Skin Deep. Each of these options can be added now or at a later date, or indeed removed as necessary. This flexibility provides the user with the assurance that whatever the latest packing trend might be, they have equipment suitably geared for the future.

Capable of producing up to 20 Skin Deep packs per minute with a 3 impression tool the GT1e system is packed with user friendly benefits including our unique Promotion modular conveyor system.

Designed to accept randomly spaced trays from any conveyor and can be fully integrated with other line equipment.

---

**Packaging Materials**

- **Trays**
  - C-PET
  - A-PET
  - B-PET
  - Polyethylene
  - PVC / Alumina
  - Board / Paper
  - Smooth Wall Foil

- **Lidding**
  - Co-extruded and Laminated Polyolefin Films
  - Fold
  - Board
  - Paper

---

**GT1e Specifications**

- **Height**
  - 2950mm
- **Width**
  - 3222mm
- **Depth**
  - 930mm
- **Weight**
  - 1133kg

---

**GT1e Sealing capacity**

- **No. of trays**
  - One: 30
  - Two: 60
  - Three: 90
  - Four: 120
  - Five: 150
- **Length**
  - 270mm
  - 270mm
  - 270mm
  - 270mm
  - 270mm
- **Width**
  - 270mm
  - 270mm
  - 270mm
  - 270mm
  - 270mm
- **Depth**
  - 120mm
  - 120mm
  - 120mm
  - 120mm
  - 120mm
- **Diameter**
  - 117mm
  - 117mm
  - 117mm
  - 117mm
  - 117mm

---

**GT1e Production Speed**

- up to 6 cycles per minute Skin Deep max
- up to 12 cycles per minute Vacuum Gas
- up to 14 cycles per minute Gas Flush
- up to 20 cycles per minute Standard Seal

---

**Options available**

- Free fine gas flush MAP (Modified Atmosphere Packaging)
- High Oxygen (O2) gas flush
- Vacuum - used for applications such as netoring or for when the kd level needs to be controlled
- Vacuum Gas - ideal for where residual gas levels have to be sub 1%
- Skin - Skin packaging sub flange
- Skin Plus - Skin packaging up to 50mm above the tray flange
- Skin Deep - Skin packaging up to 100mm above the tray flange
- CLOSE CUT - Method of maximising throughput and reducing film waste
- Inboard Cut (IC) Option to provide ‘form, fill and seal’ tray presentation
- Film coding and printing
- Film crimping
- Active conveyors to allow the machine to be used as a straight through conveyor when packs don’t require sealing
- Active conveyors to allow the machine to be used as a straight through conveyor when packs don’t require sealing
- Back-to-back machine configurations
- Peripheral equipment integration
- Film end warning
- eWON - a machine connection system to deliver real time data and error condition support, remote setup, and software upgrades, using a customer’s existing IT network
- i-film - intelligent film real monitoring system actively adjusts film tension based on reel diameter to increase print quality and reduce component duty
- Protect - a contactless machine login and audit trail system
- Sale, Lease Purchase and Rental options available

---

**Standard design features and benefits**

- Five minute tool changeover
- Low maintenance polymer bearings
- Simple and accurate film-feed system with easy film route
- Maintenance friendly robust construction
- Accurate temperature and seal pressure control
- High-accuracy tool alignment system provides a constantly accurate sealing and/or film-cutting relationship with the tray flange profile
- Simple design and operation
- Film snap detection
- Auto Tool ‘Touch of a button tool change system, automatically locates and connects tooling to machine functions including all MAP options
- All around seal and contoured film cut with skeletal film rewind
- Automatic seal operation with accurate seal dwell time
- Self-centering tray guides
- Automatic film roll clamping
- Food industry approved hygienic construction and washdown protection
- Full Category 3 guarding
- User friendly, menu-driven control panel with step-by-step prompts, error and status displays, and useful fault pack counter
- Recipe handling of machine settings
- Self diagnostic system
- Perforated and coloured touch screen HMI control for full double-sided operation
- Recipe driven auto machine set-up for tool change
- On-screen data capture and trends with wireless connection option
- Pot crush avoidance system
- Active film tension
- Quick release conveyor belts for easy hygiene and maintenance
- eSEAL - high performance, high precision, high force electric seal system that benefits from an increased seal force of 600% whilst reducing compressed air usage by 92%
- Promotion - a high accuracy continuous motion tray infeed system, which increases production speed whilst reducing machine duty
- Film coding and printing
- Self diagnostics
- Recipe handling of machine settings
- Pendant mounted colour touch screen HMI control for full double-sided operation
- Full Category 3 guarding
- Self diagnostic system
- eWON - a machine connection system to deliver real time data and error condition support, remote setup, and software upgrades, using a customer’s existing IT network
- i-film - intelligent film real monitoring system actively adjusts film tension based on reel diameter to increase print quality and reduce component duty
- Protect - a contactless machine login and audit trail system
- Sale, Lease Purchase and Rental options available
**GT2s**

Automatic, large capacity, high speed in-line tray sealing system designed to cut labour costs and produce up to 120 packs per minute.

The GT2s is a fully automatic high speed tray sealing system combining high throughput with rapid tool change and space saving compact design. Capable of up to 120 packs per minute with a 6 impression tool the GT2s system is packed with user friendly benefits including our unique Promotion modular conveyor system.

Optional ‘free flow’ gas flush MAP (Modified Atmosphere Packaging) available for extended shelf life. Designed to accept randomly spaced trays from any conveyor and can be fully integrated with other line equipment.

---

### Packaging Materials

<table>
<thead>
<tr>
<th>Trays</th>
<th>Lidding</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-PET</td>
<td>Co-extruded and Laminated Polyester Films</td>
</tr>
<tr>
<td>A-PET</td>
<td>Foil</td>
</tr>
<tr>
<td>B-PET</td>
<td>Board / Paper</td>
</tr>
<tr>
<td>Polypropylene</td>
<td>Paper</td>
</tr>
<tr>
<td>PVC / Styrene</td>
<td></td>
</tr>
<tr>
<td>Smooth Wall</td>
<td></td>
</tr>
</tbody>
</table>

---

### GT2s Specifications

- **Height**: 1987mm
- **Standard Length**: 3658mm
- **Width**: 930mm
- **Weight**: 1960kg
- **Pneumatic supply**: 1.7CFM @ 20 cycles per minute
- **Electrical supply**: 400 VAC 3kW 3 phase (fused at 16A)

Transducers are available to accommodate the electrical supplies in different countries.

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### GT2s Sealing capacity

- **No. of trays**: 8
  - **Length**: 3658mm
  - **Width**: 270mm
  - **Depth**: 105mm
  - **Diameter**: 270mm

---

### GT2s Production Speed

- **No. of cycles per minute**:
  - Standard Seal: up to 14 cycles per minute
  - Gas Flush: up to 20 cycles per minute

---

### Standard design features and benefits

- Two-minute tool changeover
- Low maintenance polymer bearings
- Simple and accurate film-feed system with easy film route
- Maintenance friendly robust construction
- Accurate temperature and seal pressure control
- High accuracy tool alignment system provides a constantly accurate sealing and/or film-cutting relationship with the tray flange profile
- Simple design and operation
- Film snap detection
- Auto Tool Touch of a button tool change system, automatically locates and connects tooling to machine functions including all MAP options
- All around seal and contoured film-cut with skeletal film rewind
- Automatic seal operation with accurate seal dwell time
- Self-centering tray guides
- Automatic film roll clamping
- Food industry approved hygienic construction and washdown protection
- Full Category 3 guarding
- User friendly, menu-driven control panel with step-by-step prompts, error and status displays, and useful batch pack counter
- Recipe handling of machine settings
- Self diagnostic system
- Pendant mounted colour touch screen HMI control for full double-sided operation
- Recipe driven auto machine set-up for tool change
- On-screen data capture and trends with wireless connection option
- Pot crush avoidance system
- Active film tension
- Quick release conveyor belts for easy hygiene and maintenance
- Active film tension based on reel diameter to increase print quality and reduce component duty
- Auto Tool Touch of a button tool change system, automatically changes tooling to machine functions including all MAP options
- Film end warning
- ‘i-film’ intelligent film reel monitoring system actively adjusts film tension based on reel diameter to increase print quality and reduce component duty
- Protect - a contactless machine login and audit trail system
- Sale, Lease Purchase and Rental options available

---

### Options available

- Free flow gas flush MAP (Modified Atmosphere Packaging)
- High Oxygen (O2) gas flush
- CLOSE CUT – Method of maximising throughput and reducing film waste
- Inboard Cut (IC) Option to provide Torn, fill and seal tray presentation
- Film coding and printing
- Film end warning
- Active conveyors to allow the machine to be used as a straight through conveyor when packs don’t require sealing
- Back-to-back machine configurations
- Peripheral equipment integration
- Film end warning
- ‘i-film’ - intelligent film reel monitoring system actively adjusts film tension based on reel diameter to increase print quality and reduce component duty
- Protect - a contactless machine login and audit trail system
- Sale, Lease Purchase and Rental options available

---

### GT2s Sealing capacity

- **No. of trays**
  - One
  - Two
  - Three
  - Four
  - Five
  - Six

- **Length**: 3658mm
- **Width**: 270mm
- **Depth**: 105mm
- **Diameter**: 270mm

---

### GT2s Production Speed

- **No. of cycles per minute**
  - Standard Seal: up to 14 cycles per minute
  - Gas Flush: up to 20 cycles per minute

---

### GT2s Design Features

- High accuracy tool alignment system provides a constantly accurate sealing and/or film-cutting relationship with the tray flange profile
- Simple design and operation
- Film snap detection
- Auto Tool Touch of a button tool change system, automatically locates and connects tooling to machine functions including all MAP options
- All around seal and contoured film-cut with skeletal film rewind
- Automatic seal operation with accurate seal dwell time
- Self-centering tray guides
- Automatic film roll clamping
- Food industry approved hygienic construction and washdown protection
- Full Category 3 guarding
- User friendly, menu-driven control panel with step-by-step prompts, error and status displays, and useful batch pack counter
- Recipe handling of machine settings
- Self diagnostic system
- Pendant mounted colour touch screen HMI control for full double-sided operation
- Recipe driven auto machine set-up for tool change
- On-screen data capture and trends with wireless connection option
- Pot crush avoidance system
- Active film tension
- Quick release conveyor belts for easy hygiene and maintenance
- Active film tension based on reel diameter to increase print quality and reduce component duty
- Auto Tool Touch of a button tool change system, automatically changes tooling to machine functions including all MAP options
- Film end warning
- ‘i-film’ intelligent film reel monitoring system actively adjusts film tension based on reel diameter to increase print quality and reduce component duty
- Protect - a contactless machine login and audit trail system
- Sale, Lease Purchase and Rental options available
GT2e

Automatic, large capacity, high speed in-line tray sealing system with full vacuum facility designed to cut labour costs.

At the core of the “e” design is its flexibility to perform any style of heat seal to a pre-formed tray, be that atmospheric, MAP, VMAP, including our unique fully integrated with other line equipment.

Designed to accept randomly spaced trays from any conveyor and can be used to a pre-formed tray, be that atmospheric, MAP, VMAP, including our unique fully integrated with other line equipment.

Capable of producing up to 25 impressions per minute, the GT2e system is packed with user-friendly benefits including our unique Promotion modular conveyor system.

Packaged to accept randomly spaced trays from any conveyor and can be fully integrated with other line equipment.

Standard design features and benefits

- Five minute tool changeover
- Low maintenance polymer bearings
- Simple and accurate film-feed system with easy film route
- Maintenance friendly robust construction
- Accurate temperature and seal pressure control
- High accuracy tool alignment system provides a constantly accurate sealing and/or film-cutting relationship with the tray flange profile
- Simple design and operation
- Film snap detection
- Auto Tool: Touch of a button tool change system, automatically locates and connects tools to machine functions including all MAP options
- All around seal and contoured film-cut with skeletal film rewind
- Automatic seal operation with accurate seal dwell time
- Self-centering tray guides
- Automatic film roll clamping
- Food industry approved hygienic construction and washdown protection
- Full Category 3 guarding
- User-friendly, menu-driven control panel with step-by-step prompts, error and status displays, and useful batch pack counter
- Recipe handling of machine settings
- Self diagnostic system
- Pendent mounted colour touch screen HMI control for full double-sided operation
- Recipe driven auto machine set-up for tool change
- On-screen data capture and trends with wireless connection option
- Pot crash avoidance system
- Active film tension
- Quick-release conveyor belts for easy hygiene and maintenance
- eWON: high performance, high precision, high force electric seal system that benefits from an increased seal force of 600% whilst reducing compressed air usage by 92%
- Promotion: a high accuracy continuous motion tray infeed system, which increases production speed whilst reducing machine duty

Options available

- Free flow gas flush MAP (Modified Atmosphere Packaging)
- High Oxygen (O2) gas flush
- Vacuum: used for applications such as retorting or for when the lid level needs to be controlled
- Vacuum Gas: ideal for where residual gas levels have to be sub 1%
- Skin: Skin packaging sub flange
- Skin Plus: Skin packaging up to 50mm above the tray flange
- Skin Deep: Skin packaging up to 100mm above the tray flange
- CLOSE CUT: Method of maximising throughput and reducing film waste
- Onboard UL/C UL Option to provide Form, Fill and Seal tray presentation
- Film coding and printing
- Foil crimping
- Active conveyors to allow the machine to be used as a straight through conveyor when packs don’t require sealing
- Back-to-back machine configurations
- Peripheral equipment integration
- Film end warning

GT2e Specifications

- Height: 2188mm
- Standard Length: 3658mm
- Width: 935mm
- Weight: 1265 kg

- Pneumatic supply: 1.2CFM at 20 cycles per minute
- Electrical supply: 400VAC 3kW 3 phase (fused at 16A)

GT2e Sealing capacity

- No. of trays: 1
- Length: 270mm
- Width: 117mm
- Depth: 120mm
- Diameter: 270mm

- No. of trays: 2
- Length: 212mm
- Width: 153mm
- Depth: 120mm
- Diameter: 270mm

- No. of trays: 3
- Length: 212mm
- Width: 153mm
- Depth: 120mm
- Diameter: 212mm

- No. of trays: 4
- Length: 212mm
- Width: 139mm
- Depth: 120mm
- Diameter: 183mm

- No. of trays: 5
- Length: 212mm
- Width: 117mm
- Depth: 120mm
- Diameter: 117mm

GT2e Production Speed

- Up to 6 cycles per minute Skin Deep
- Up to 12 cycles per minute Vacuum Gas
- Up to 14 cycles per minute Gas Flush
- Up to 20 cycles per minute Standard Seal

Packaging Materials

- Trays
  - C-PET
  - A-PET
  - B-PET
  - Polyethylene
  - PVC / Polyurethane
  - Board / Paper
  - Smooth Wall Foil

- Lidding
  - Co-extruded and Laminated Polyolefin Films
  - Foil
  - Board
  - Paper
  - Smooth Wall Foil

- Transformers are available to accommodate the electrical supplies in different countries
The GT2sX is an automatic, large capacity, extra wide, high speed tray sealing system designed to cut labour costs and produce up to 120 packs per minute. The GT2sX Twin is an automatic, large capacity, twin lane, high speed tray sealing system designed to cut labour costs and produce up to 180 packs per minute.

With increased production capacity the GT2sX has the ability to take packs up to 400mm wide long edge leading into the machine. Capable of up to 120 packs per minute with a 6 impression tool the GT2sX system is packed with user friendly benefits including our special lightweight high strength tooling.

The GT2sX Twin is a high throughput modular, twin lane linear heat-sealing system, designed to run in conjunction with auxiliary equipment such as tray de-masters, fillers, multthead weighers and labellers, combining into a stand-alone, fully automatic production line. Capable of up to 150 packs per minute with a 8 impression tool the GT2sX Twin system is packed with user friendly benefits benefits including our unique Promotion modular conveyor system.

Designed to accept randomly spaced trays from any conveyor both machines can be easily integrated with other production line equipment.

**Standard design features and benefits**

- Five minute tool changeover
- Low maintenance polymer bearings
- Simple and accurate film feed system with easy film route
- Maintenance friendly robust construction
- Accurate temperature and seal pressure control
- High accuracy tool alignment system provides a constantly accurate sealing and/or film-cutting relationship with the tray flange profile
- Simple design and operation
- Film snap detection
- Auto Tool - Touch of a button tool change system, automatically locates and connects tooling to machine functions including all MAP options
- All around seal and contoured film-cut with skeletal film rewind
- Automatic seal operation with accurate seal dwell time
- Self-centering tray guides
- Automatic film roll clamping
- Food industry approved hygienic construction and washdown protection
- Full Category 3 guarding
- User friendly, menu-driven control panel with step-by-step prompts, error and status displays, and useful batch pack counter
- Recipe handling of machine settings
- Self-diagnostic system
- Pendant mounted colour touch screen HMI control for full double-sided operation
- Recipe driven auto machine set-up for tool change
- On-screen data capture and trends with wireless connection options
- Pot crush avoidance system
- Active film tension
- Quick release conveyor belts for easy hygiene and maintenance
- eSEAL® - high performance, high precision, high force electric seal system that benefits from an increased seal force of 600% whilst reducing compressed air usage by 92%
- Promotion - A high accuracy continuous motion tray infeed system, which increases production speed whilst reducing machine duty

**Options available**

- Five film gas flush MAP (Modified Atmosphere Packaging)
- High Oxygen (O₂) gas flush
- CLOSE CUT - Method of maximising throughput and reducing film waste
- Inboard Cut (IC) Option to provide ‘form, fill and seal’ tray presentation
- Film coding and printing
- Filp crimping
- Active conveyors to allow the machine to be used as a straight through conveyor when packs don’t require sealing
- Back-to-back machine configurations
- Peripheral equipment integration
- Film end warning
- vWON - a machine connection system to deliver real time data and error condition support, remote setup, and software upgrades, using a customer’s existing IT network
- i-film - intelligent film reel monitoring system actively adjusts film tension based on reel diameter to increase print quality and reduce component duty
- Protect - a contactless machine login & audit trail system
- Sale, Lease Purchase and Rental options available

**GT2sX/GT2sX Twin Specifications**

<table>
<thead>
<tr>
<th>Trays</th>
<th>Lidding</th>
</tr>
</thead>
<tbody>
<tr>
<td>• C-PET</td>
<td>• Co-extruded and Laminated Polyester Films</td>
</tr>
<tr>
<td>• RPET</td>
<td>• Foil</td>
</tr>
<tr>
<td>• Polypropylene</td>
<td>• Board</td>
</tr>
<tr>
<td>• PVC / Poly</td>
<td>• Paper</td>
</tr>
<tr>
<td>• Board / Paper</td>
<td>• Smooth Wall Foil</td>
</tr>
</tbody>
</table>

GT2sX/GT2sX Twin Sealing capacity

<table>
<thead>
<tr>
<th>No. of trays</th>
<th>Length</th>
<th>Width</th>
<th>Depth</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>One</td>
<td>815mm</td>
<td>424mm</td>
<td>105mm</td>
<td>424mm</td>
</tr>
<tr>
<td>Two</td>
<td>424mm</td>
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<td>105mm</td>
<td>424mm</td>
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<td>Three</td>
<td>262mm</td>
<td>424mm</td>
<td>105mm</td>
<td>262mm</td>
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<tr>
<td>Four</td>
<td>424mm</td>
<td>190mm</td>
<td>105mm</td>
<td>190mm</td>
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<tr>
<td>Five</td>
<td>424mm</td>
<td>147mm</td>
<td>105mm</td>
<td>147mm</td>
</tr>
<tr>
<td>Six</td>
<td>424mm</td>
<td>118mm</td>
<td>105mm</td>
<td>118mm</td>
</tr>
</tbody>
</table>

**GT2sX Twin Sealing capacity**

<table>
<thead>
<tr>
<th>No. of trays</th>
<th>Length</th>
<th>Width</th>
<th>Depth</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Four</td>
<td>406mm</td>
<td>262mm</td>
<td>105mm</td>
<td>262mm</td>
</tr>
<tr>
<td>Six</td>
<td>262mm</td>
<td>262mm</td>
<td>105mm</td>
<td>262mm</td>
</tr>
<tr>
<td>Eight</td>
<td>190mm</td>
<td>190mm</td>
<td>105mm</td>
<td>190mm</td>
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<tr>
<td>Twin</td>
<td>147mm</td>
<td>147mm</td>
<td>105mm</td>
<td>147mm</td>
</tr>
<tr>
<td>Twelve</td>
<td>118mm</td>
<td>118mm</td>
<td>105mm</td>
<td>118mm</td>
</tr>
</tbody>
</table>

**GT2sX Twin Production Speed**

GT2sX up to 20 cycles per minute (120 packs per minute with 6 impression tool)

GT2sX Twin 18 cycles per minute (180 packs per minute with an 8 impression tool)

**Packaging Materials**

- C-PET
- RPET
- Polypropylene
- PVC / Poly
- Board / Paper
- Smooth Wall Foil

**Options**

- Five film gas flush MAP (Modified Atmosphere Packaging)
- High Oxygen (O₂) gas flush
- CLOSE CUT - Method of maximising throughput and reducing film waste
- Inboard Cut (IC) Option to provide ‘form, fill and seal’ tray presentation
- Film coding and printing
- Filp crimping
- Active conveyors to allow the machine to be used as a straight through conveyor when packs don’t require sealing
- Back-to-back machine configurations
- Peripheral equipment integration
- Film end warning
- vWON - a machine connection system to deliver real time data and error condition support, remote setup, and software upgrades, using a customer’s existing IT network
- i-film - intelligent film reel monitoring system actively adjusts film tension based on reel diameter to increase print quality and reduce component duty
- Protect - a contactless machine login & audit trail system
- Sale, Lease Purchase and Rental options available

**Options available**

- Five film gas flush MAP (Modified Atmosphere Packaging)
- High Oxygen (O₂) gas flush
- CLOSE CUT - Method of maximising throughput and reducing film waste
- Inboard Cut (IC) Option to provide ‘form, fill and seal’ tray presentation
- Film coding and printing
- Filp crimping
- Active conveyors to allow the machine to be used as a straight through conveyor when packs don’t require sealing
- Back-to-back machine configurations
- Peripheral equipment integration
- Film end warning
- vWON - a machine connection system to deliver real time data and error condition support, remote setup, and software upgrades, using a customer’s existing IT network
- i-film - intelligent film reel monitoring system actively adjusts film tension based on reel diameter to increase print quality and reduce component duty
- Protect - a contactless machine login & audit trail system
- Sale, Lease Purchase and Rental options available
The GT2eX is an automatic, large capacity, extra wide, high speed tray sealing system designed to cut labour costs and produce up to 24 Skin Deep packs per minute. The GT2eX Twin is an automatic, large capacity, twin lane, high speed tray sealing system designed to cut labour costs and produce up to 40 Skin Deep packs per minute.

With its increased production capacity the GT2eX has the ability to take packs up to 400mm wide long edges leading into the machine. Capable of up to 24 Skin Deep packs per minute with a 4 impression tool.

The GT2eX Twin is a high throughput modular, twin lane linear heat-sealing system, designed to run in conjunction with auxiliary equipment such as tray de-coaters, cutters, multi-head weighers and labelers, combining into a stand-alone, fully automatic production line. Capable of up to 36 Skin Deep packs per minute with a 6 impression tool.

At the core of the ‘e’ design is its flexibility to perform any style of heat seal to a tray. This includes atmospheric, MAP, VMAP, Skin, Skin Plus, or Skin Deep. Each of these options can be added now or at a later date, or indeed removed as necessary. This flexibility provides the user with the assurance that whatever the latest packing trend might be, they have equipment suitably geared for the future.

The GT2eX Twin system, designed to run in conjunction with auxiliary equipment such as tray packs per minute with a 4 impression tool.

**Standard design features and benefits**

- Five minute tool changeover
- Low maintenance polymer bearings
- Simple and accurate film-feed system with easy film route
- Maintenance friendly robust construction
- Accurate temperature and seal pressure control
- High accuracy tool alignment system provides a constantly accurate sealing and/or film-cutting relationship with the tray flange profile
- Simple design and operation
- Film snap detection
- Auto Tool: Touch of a button tool change system, automatically locates and connects tooling to machine functions including all MAP options
- All around seal and contoured film-cut with skeletal film rewind
- Automatic seal operation with accurate seal dwell time
- Self-centering tray guides
- Automatic film roll clamping
- Food industry approved hygienic construction and washdown protection
- Full Category 3 guarding
- User friendly, menu-driven control panel with step-by-step prompts, error and status displays, and useful back pack counter
- Recipe handling of machine settings
- Self diagnostic system
- Pendent mounted colour touch screen HMI control for full double-sided operation
- Recipe driven auto machine set-up for tool change
- On-screen data capture and trends with wireless connection option
- Pot crash avoidance system
- Active film tension
- Quick release conveyor belts for easy hygiene and maintenance
- eSEA – high performance, high precision, high force electric seal system that benefits from an increased seal force of 600% whilst reducing compressed air usage by 92%
- Promotion - A high accuracy continuous motion tray infed system, which increases production speed whilst reducing machine duty

**Packaging Materials**

- C-PET
- R-PET
- Polypropylene
- Smooth Wall Foil

**Options available**

- Free flow gas flush MAP (Modified Atmosphere Packaging)
- Vacuum – used for applications such as resealing or for when the lid level needs to be controlled
- Vacuum Gas – ideal for where residual gas levels have to be sub 1%
- Skin - Skin packaging sub flange
- Skin Plus - Skin packaging up to 50mm above the tray flange
- Skin Deep - Skin packaging up to 100mm above the tray flange
- CLOSE CUT - Method of maximizing throughput and reducing film waste
- Board Cuts (OC) Option to provide form, fill and seal tray presentation
- Film coding and printing
- Foil crimping
- Active conveyors to allow the machine to be used as a straight through conveyor when packs don’t require sealing
- Back-to-back machine configurations
- Peripheral equipment integration
- Film end warning
- eWON - a machine connection system to deliver real time data and error condition support, remote setup, and software upgrades, using a customer’s existing IT network
- i-film - intelligent film reel monitoring system actively adjusts film tension based on reel diameter to increase print quality and reduce component duty
- Protect - a contactless machine login and audit trail system
- Sale, Lease Purchase and Rental options available

**GT2eX/Twin Specifications**

<table>
<thead>
<tr>
<th>Height</th>
<th>2187mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Length</td>
<td>3807mm</td>
</tr>
<tr>
<td>Width</td>
<td>1525mm</td>
</tr>
<tr>
<td>Weight</td>
<td>1500kg + version dependent</td>
</tr>
<tr>
<td>Pneumatic supply</td>
<td>17CFM at 6 bar</td>
</tr>
<tr>
<td>Electrical supply</td>
<td>400VAC 3Kw 3 phase (fused at N.A)</td>
</tr>
</tbody>
</table>

Transformers are available to accommodate the electrical supplies in different countries.

**GT2eX Production Speed**

- up to 6 cycles per minute Skin Deep max
- up to 12 cycles per minute Vacuum Gas
- up to 14 cycles per minute Gas Flush
- up to 20 cycles per minute Standard Seal

**GT2eX Twin Production Speed**

- up to 6 cycles per minute Skin Deep max
- up to 12 cycles per minute Vacuum Gas
- up to 14 cycles per minute Gas Flush
- up to 18 cycles per minute Standard Seal
GT4s

Automatic, large capacity, high speed in-line tray sealing system designed to cut labour costs and produce up to 140 packs per minute.

The GT4s is a fully automatic high speed tray sealing system combining high throughput with rapid tool change and space saving compact design. Capable of up to 140 packs per minute with a 7 impression tool the GT4s system is packed with user friendly benefits including our unique promotion modular conveyor system. Optional ‘free flow’ gas flush MAP (Modified Atmosphere Packaging) available for extended shelf life. Designed to accept randomly spaced trays from any conveyor and can be fully integrated with other line equipment.

Packaging Materials

- Smooth Wall Foil
- Board / Paper
- PVC / Styrene
- Polyprepolyne
- i-film
- i-film PRODUCE
- i-film RED MEAT
- i-film SEAFOOD
- i-film FISH

GT4s Specifications

- No. of trays
- Length
- Width
- Depth
- Diameter

GT4s Sealing capacity

- No. of trays: One
- Length: 963mm
- Width: 270mm
- Depth: 119mm
- Diameter: 120mm

GT4s Production Speed

- up to 14 cycles per minute Gas Flush
- up to 20 cycles per minute Standard Seal

Standard design features and benefits

- Five minute tool changeover
- Low maintenance polymer bearings
- Simple and accurate film feed system with easy film route
- Maintenance friendly robust construction
- Accurate temperature and seal pressure control
- High accuracy tool alignment system provides a constantly accurate sealing and/or film-cutting relationship with the tray flange profile
- Simple design and operation
- Film snap detection
- Auto Tool! Touch of a button tool change system, automatically locates and connects tooling to machine functions including all MAP options
- All around seal and contoured film cut with skeletal film rewind
- Automatic seal operation with accurate seal dwell time
- Self-centering tray guides
- Automatic film roll clamping
- Food industry approved hygienic construction and washdown protection
- Full Category 3 guarding
- User friendly, menu driven control panel with step-by-step prompts, error and status displays, and useful batch pack counter
- Recipe handling of machine settings
- Self diagnostic system
- Pendent mounted colour touch screen HMI control for full double-sided operation
- Recipe driven auto machine set up for tool change
- On-screen data capture and trends with wireless connection options
- Pot crash avoidance system
- Active film tension
- Quick release conveyor belts for easy hygiene and maintenance
- eSEAL® - a high accuracy continuous motion tray infeed
- eWON - intelligent film reel monitoring system actively adjusts film tension based on reel diameter to increase print quality and reduce component duty
- Protect - a contactless machine login and audit trail system
- Sale, Lease Purchase and Rental options available

Options available

- Free flow gas flush MAP (Modified Atmosphere Packaging)
- High Oxygen (O2) gas flush
- CLOSE CUT - Method of maximising throughput and reducing film waste
- Inboard Cut (IC) Option to provide Torn, fill and seal tray presentation
- Film coding and printing
- Foil crimping
- Active conveyors to allow the machine to be used as a straight through conveyor when packs don’t require sealing
- Back to back machine configurations
- Peripheral equipment integration
- Film end warning
- eWON - a machine connection system to deliver real time data and error condition support, remote setup, and software upgrades, using a customer’s existing IT network
- eURN - intelligent film reel monitoring system actively adjusts film tension based on reel diameter to increase print quality and reduce component duty
- Protect - a contactless machine login and audit trail system
- Sale, Lease Purchase and Rental options available

GT4s

Options available

- Free flow gas flush MAP (Modified Atmosphere Packaging)
- High Oxygen (O2) gas flush
- CLOSE CUT - Method of maximising throughput and reducing film waste
- Inboard Cut (IC) Option to provide Torn, fill and seal tray presentation
- Film coding and printing
- Foil crimping
- Active conveyors to allow the machine to be used as a straight through conveyor when packs don’t require sealing
- Back to back machine configurations
- Peripheral equipment integration
- Film end warning
- eWON - a machine connection system to deliver real time data and error condition support, remote setup, and software upgrades, using a customer’s existing IT network
- eURN - intelligent film reel monitoring system actively adjusts film tension based on reel diameter to increase print quality and reduce component duty
- Protect - a contactless machine login and audit trail system
- Sale, Lease Purchase and Rental options available
**Standard design features and benefits**

- Five-minute tool changeover
- Low maintenance polymer bearings
- Simple and accurate film-feed system with easy film route
- Maintenance friendly robust construction
- Accurate temperature and seal pressure control
- High accuracy tool alignment system provides a constantly accurate sealing and film-cutting relationship with the tray flange profile
- Simple design and operation
- Film snap detection
- Auto Tool - Touch of a button tool change system, automatically locates and connects tooling to machine functions including all MAP options
- All around seal and contoured film-cut with skeletal film rewind
- Automatic seal operation with accurate seal dwell time
- Self-centering tray guides
- Automatic film roll clamping
- Food industry approved hygienic construction and washdown protection
- Full Category 3 guarding
- User friendly, menu-driven control panel with step-by-step prompts, error and status displays, and useful back pack counter
- Recipe handling of machine settings
- Self diagnostic system
- Pendent mounted colour touch screen HMI control for full double-sided operation
- Recipe driven auto machine set-up for tool change
- On-screen data capture and trends with wireless connection option
- Pot crash avoidance system
- Active film tension
- Quick release conveyor belts for easy hygiene and maintenance
- eSEAL™ - high performance, high precision, high force electric seal system that benefits from an increased seal force of 600% whilst reducing compressed air usage by 92%
- Active conveyors to allow the machine to be used as a straight through conveyor when packs don’t require sealing
- Back-to-back machine configurations
- Peripheral equipment integration
- Film end warning
- eWON – a machine connection system to deliver real time data and error condition support, remote setup, and software upgrades, using a customer’s existing IT network
- e-film - intelligent film reel monitoring system actively adjusts film tension based on reel diameter to increase print quality and reduce component duty
- Protect - a contactless machine login and audit trail system
- Safe, Lease Purchase and Rental options available

**Options available**

- Free flow gas flush MAP (Modified Atmosphere Packaging)
- High Oxygen (G2) gas flush
- Vacuum - used for applications such as retorting or for when the lid level needs to be controlled
- Vacuum Gas - ideal for where residual gas levels have to be sub 1%
- SKIN - Skin packaging sub flange
- SKIN PLUS - Skin packaging up to 50mm above the tray flange
- SKIN DEEP - Skin packaging up to 100mm above the tray flange
- CLOSE CUT - Method of maximising throughput and reducing film waste
- Inboard Cut (IC) Option to provide form, fill and seal tray presentation
- eFilm - film coding and printing
- Foil crimping
- eWON - a machine connection system to deliver real time data and error condition support, remote setup, and software upgrades, using a customer’s existing IT network
- e-film - intelligent film reel monitoring system actively adjusts film tension based on reel diameter to increase print quality and reduce component duty
- Protect - a contactless machine login and audit trail system
- Safe, Lease Purchase and Rental options available

**GT4e Specifications**

- **Motor**
  - 2203mm
  - 270mm           Width
  - 119mm           Depth

- **Sealing capacity**

<table>
<thead>
<tr>
<th>No. of Trays</th>
<th>Length</th>
<th>Width</th>
<th>Depth</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>One</td>
<td>391mm</td>
<td>270mm</td>
<td>100mm</td>
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<tr>
<td>Two</td>
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<td>100mm</td>
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<td>Three</td>
<td>312mm</td>
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<tr>
<td>Four</td>
<td>270mm</td>
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<td>208mm</td>
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<td>177mm</td>
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<tr>
<td>Six</td>
<td>270mm</td>
<td>143mm</td>
<td>100mm</td>
<td>143mm</td>
</tr>
<tr>
<td>Seven</td>
<td>270mm</td>
<td>199mm</td>
<td>100mm</td>
<td>199mm</td>
</tr>
</tbody>
</table>

**GT4e Production Speed**

- up to 6 cycles per minute Skin Deep
- up to 12 cycles per minute Vacuum Gas
- up to 14 cycles per minute Gas Flash
- up to 20 cycles per minute Standard Seal

**Packaging Materials**

- **Trays**
  - Smooth Wall Foil
  - Board / Paper
  - Polypropylene
  - R-PET
  - A-PET
  - C-PET

- **Lidding**
  - Co-extruded and Laminated Polyester Films
  - Foil
  - Board
  - Paper

**GT4e**

Automatic, large capacity, high speed in-line tray sealing system with full vacuum facility designed to cut labour costs.

At the core of the ‘e’ design is its flexibility to perform any style of heat seal to a pre-formed tray, be that atmospheric, MAP, VMAP, Skin, Skin Plus, or Skin Deep. Each of these options can be added now or at a later date, or indeed removed as necessary. This flexibility provides the user with the assurance that whatever the latest packing trend might be, they have equipment suitably geared for the future.

Capable of producing up to 30 Skin Deep packs per minute with a 5 impression tool the GT4e system is packed with user friendly benefits including our unique Promotion modular conveyor system.

Designed to accept randomly spaced trays from any conveyor and can be fully integrated with other line equipment.

**Edition 11**

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GT5s

Automatic, extra large capacity, high speed in-line tray sealing system designed to cut labour costs and produce up to 150 packs per minute.

The GT5s is a fully automatic high speed tray sealing system combining high throughput with rapid tool change and space saving compact design. The system is packed with user friendly benefits including our unique Promotion modular conveyor system. Optional ‘free flow’ gas flush MAP (Modified Atmosphere Packaging) is packed with user friendly benefits including our unique Capable of up to 150 packs per minute with a 8 impression tool the GT5s system is designed to cut labour costs and produce up to 150 packs per minute.

GT5s Specifications

<table>
<thead>
<tr>
<th>No. of trays</th>
<th>Length</th>
<th>Width</th>
<th>Depth</th>
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</thead>
<tbody>
<tr>
<td>Two</td>
<td>330mm</td>
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<td>Three</td>
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</tr>
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<td>Six</td>
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<td>120mm</td>
<td>300mm</td>
</tr>
<tr>
<td>Seven</td>
<td>630mm</td>
<td>130mm</td>
<td>120mm</td>
<td>130mm</td>
</tr>
<tr>
<td>Eight</td>
<td>800mm</td>
<td>120mm</td>
<td>100mm</td>
<td>110mm</td>
</tr>
</tbody>
</table>

GT5s Production Speed

- Two minute tool changeover
- Low maintenance polymer bearings
- Simple and accurate film feed system with easy film route
- Maintenance friendly robust construction
- Accurate temperature and seal pressure control
- High accuracy tool alignment system provides a constantly accurate sealing and/or film cutting relationship with the tray flange profile
- Simple design and operation
- Film snap detection
- Auto Tool ‘Touch of a button tool change system, automatically locates and connects tools to machine functions including all MAP options
- All around seal and contoured film cut with skeletal film rewind
- Automatic seal operation with accurate seal dwell time
- Self-centering tray guides
- Automatic film roll clamping
- Food industry approved hygienic construction and washdown protection
- Full Category 3 guarding
- User friendly, menu driven control panel with step-by-step prompts, error and status displays, and useful batch pack counter
- Recipe handling of machine settings
- Self-diagnostic system
- Pendent mounted colour touch screen HMI control for full double-sided operation
- Recipe driven auto machine set up for tool change
- On screen data capture and trends with wireless connection option
- Pot crash avoidance system
- Active film tension
- Quick release conveyor bolts for easy hygiene and maintenance
- eSEAL® - high accuracy, continuous motion tray infeed system
- Trays presented to the machine as a straight flight
- Efficient film tension based on reel diameter to increase print quality and reduce component duty
- i-film - intelligent film real monitoring system actively adjusts film tension based on reel diameter to increase print quality and reduce component duty
- eWON - a machine connection system to deliver real time data and error condition support, remote setup, and software upgrades, using a customer’s existing IT network
- Protect - a contactless machine login and audit trail system
- Sale, Lease Purchase and Rental options available

Promotion

- Free flow gas flush MAP (Modified Atmosphere Packaging)
- High Oxygen (O2) gas flush
- CLOSE CUT - Method of maximising throughput and reducing film waste
- Inboard Cut (IC) Option to provide Torm, fill and seal tray presentation
- Film coding and printing
- Film comping
- Active conveyors to allow the machine to be used as a straight through conveyor when packs don’t require sealing
- Back to back machine configurations
- Peripheral equipment integration
- Film end warning
- eWON - a machine connection system to deliver real time data and error condition support, remote setup, and software upgrades, using a customer’s existing IT network
- i-film - intelligent film real monitoring system actively adjusts film tension based on reel diameter to increase print quality and reduce component duty
- Protect - a contactless machine login and audit trail system
- Sale, Lease Purchase and Rental options available

Packaging Materials

<table>
<thead>
<tr>
<th>Trays</th>
<th>Lidding</th>
</tr>
</thead>
<tbody>
<tr>
<td>• T-FET</td>
<td>Smooth Wall Foil</td>
</tr>
<tr>
<td>• A-PET</td>
<td>Board / Paper</td>
</tr>
<tr>
<td>• R-PET</td>
<td>PVC / Styrene</td>
</tr>
<tr>
<td>• Polypropylene</td>
<td>Film Roll</td>
</tr>
<tr>
<td>• Smooth Wall Foil</td>
<td>Foil</td>
</tr>
<tr>
<td>• Board / Paper</td>
<td>Board</td>
</tr>
<tr>
<td>• Stiffener</td>
<td>Paper</td>
</tr>
</tbody>
</table>

GT5s Sealing capacity

- High Oxygen (O2) gas flush
- CLOSE CUT - Method of maximising throughput and reducing film waste
- Inboard Cut (IC) Option to provide Torm, fill and seal tray presentation
- Film coding and printing
- Film comping
- Active conveyors to allow the machine to be used as a straight through conveyor when packs don’t require sealing
- Back to back machine configurations
- Peripheral equipment integration
- Film end warning
- eWON - a machine connection system to deliver real time data and error condition support, remote setup, and software upgrades, using a customer’s existing IT network
- i-film - intelligent film real monitoring system actively adjusts film tension based on reel diameter to increase print quality and reduce component duty
- Protect - a contactless machine login and audit trail system
- Sale, Lease Purchase and Rental options available

Options available

- Free flow gas flush MAP (Modified Atmosphere Packaging)
- High Oxygen (O2) gas flush
- CLOSE CUT - Method of maximising throughput and reducing film waste
- Inboard Cut (IC) Option to provide Torm, fill and seal tray presentation
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- Film comping
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- Back to back machine configurations
- Peripheral equipment integration
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- Sale, Lease Purchase and Rental options available

GT5s

Sealing Materials

<table>
<thead>
<tr>
<th>Trays</th>
<th>Lidding</th>
</tr>
</thead>
<tbody>
<tr>
<td>• T-FET</td>
<td>Smooth Wall Foil</td>
</tr>
<tr>
<td>• A-PET</td>
<td>Board / Paper</td>
</tr>
<tr>
<td>• R-PET</td>
<td>PVC / Styrene</td>
</tr>
<tr>
<td>• Polypropylene</td>
<td>Foil</td>
</tr>
<tr>
<td>• Smooth Wall Foil</td>
<td>Board</td>
</tr>
<tr>
<td>• Board / Paper</td>
<td>Paper</td>
</tr>
</tbody>
</table>

Options available

- Free flow gas flush MAP (Modified Atmosphere Packaging)
- High Oxygen (O2) gas flush
- CLOSE CUT - Method of maximising throughput and reducing film waste
- Inboard Cut (IC) Option to provide Torm, fill and seal tray presentation
- Film coding and printing
- Film comping
- Active conveyors to allow the machine to be used as a straight through conveyor when packs don’t require sealing
- Back to back machine configurations
- Peripheral equipment integration
- Film end warning
- eWON - a machine connection system to deliver real time data and error condition support, remote setup, and software upgrades, using a customer’s existing IT network
- i-film - intelligent film real monitoring system actively adjusts film tension based on reel diameter to increase print quality and reduce component duty
- Protect - a contactless machine login and audit trail system
- Sale, Lease Purchase and Rental options available

Options available

- Free flow gas flush MAP (Modified Atmosphere Packaging)
- High Oxygen (O2) gas flush
- CLOSE CUT - Method of maximising throughput and reducing film waste
- Inboard Cut (IC) Option to provide Torm, fill and seal tray presentation
- Film coding and printing
- Film comping
- Active conveyors to allow the machine to be used as a straight through conveyor when packs don’t require sealing
- Back to back machine configurations
- Peripheral equipment integration
- Film end warning
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Options available

- Free flow gas flush MAP (Modified Atmosphere Packaging)
- High Oxygen (O2) gas flush
- CLOSE CUT - Method of maximising throughput and reducing film waste
- Inboard Cut (IC) Option to provide Torm, fill and seal tray presentation
- Film coding and printing
- Film comping
- Active conveyors to allow the machine to be used as a straight through conveyor when packs don’t require sealing
- Back to back machine configurations
- Peripheral equipment integration
- Film end warning
- eWON - a machine connection system to deliver real time data and error condition support, remote setup, and software upgrades, using a customer’s existing IT network
- i-film - intelligent film real monitoring system actively adjusts film tension based on reel diameter to increase print quality and reduce component duty
- Protect - a contactless machine login and audit trail system
- Sale, Lease Purchase and Rental options available

Options available

- Free flow gas flush MAP (Modified Atmosphere Packaging)
- High Oxygen (O2) gas flush
- CLOSE CUT - Method of maximising throughput and reducing film waste
- Inboard Cut (IC) Option to provide Torm, fill and seal tray presentation
- Film coding and printing
- Film comping
- Active conveyors to allow the machine to be used as a straight through conveyor when packs don’t require sealing
- Back to back machine configurations
- Peripheral equipment integration
- Film end warning
- eWON - a machine connection system to deliver real time data and error condition support, remote setup, and software upgrades, using a customer’s existing IT network
- i-film - intelligent film real monitoring system actively adjusts film tension based on reel diameter to increase print quality and reduce component duty
- Protect - a contactless machine login and audit trail system
- Sale, Lease Purchase and Rental options available
The GT5e is an automatic, extra large capacity, high speed in-line tray sealing system with full vacuum facility designed to cut labour costs and produce up to 35 packs per minute (Skin Deep).

The GT5e is a high throughput modular, single lane linear tray sealing system, designed to run in conjunction with auxiliary equipment such as tray de-nesters, fillers, multhead weighers and labellers, combining into a system, designed to run in conjunction with auxiliary equipment such as equipment suitably geared for the future.

At the core of the 'e' design is its flexibility to perform any style of heat seal stand-alone, fully automatic production line. Each of these options can be added now or at a later date, or removed as necessary. This flexibility provides the user with the assurance that whatever the latest packing trend might be, they have equipment suitably geared for the future.

### GT5e Sealing capacity

<table>
<thead>
<tr>
<th>No. of trays</th>
<th>Length</th>
<th>Width</th>
<th>Depth</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
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<td>Two</td>
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<td>2188mm</td>
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<td>Three</td>
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<td>300mm</td>
</tr>
<tr>
<td>Four</td>
<td>1500mm</td>
<td>3000mm</td>
<td>300mm</td>
<td>300mm</td>
</tr>
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<td>Five</td>
<td>1500mm</td>
<td>2500mm</td>
<td>300mm</td>
<td>300mm</td>
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<td>1500mm</td>
<td>1400mm</td>
<td>150mm</td>
<td>150mm</td>
</tr>
</tbody>
</table>

### GT5e Production Speed

- up to 6 cycles per minute Skin Deep max
- up to 12 cycles per minute Vacuum Gas
- up to 14 cycles per minute Gas Flash
- up to 20 cycles per minute Standard Seal

### GT5e Specifications

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Height</td>
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<tr>
<td>Width</td>
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</tr>
<tr>
<td>Weight</td>
<td>1500kg</td>
</tr>
<tr>
<td>Pneumatic supply</td>
<td>12000mm@ 20 cycles per minute</td>
</tr>
<tr>
<td>Electrical supply</td>
<td>400 Vac 3kW 3 phase (fused at 16A)</td>
</tr>
</tbody>
</table>

Transducers are available to accommodate the electrical supplies in different countries.

### Options available

- Free flow gas - MAP (Modified Atmosphere Packaging)
- High Oxygen (GT) gas flush
- Vacuum - used for applications such as netting or for when the lid level needs to be controlled
- Vacuum Gas - ideal for where residual gas levels have to be sub 1%
- SKIN - Skin packaging sub flange
- SKIN PLUS - Skin packaging up to 50mm above the tray flange
- SKIN DEEP - Skin packaging up to 100mm above the tray flange
- CLOSE CUT - Method of maximising throughput and reducing film waste
- Inboard Cut (IC) Option to provide Form, Fill and Seal tray presentation
- Film coding and printing
- Foil crimping
- Active conveyors to allow the machine to be used as a straight through conveyor when packs don’t require sealing
- Back-to-back machine configurations
- Peripheral equipment integration
- Film end warning
- eWON - a machine connection system to deliver real time data and error condition support, remote setup, and software upgrades, using a customer’s existing IT network
- i-film - intelligent film reel monitoring system actively adjusts film tension based on reel diameter to increase print quality and reduce component duty
- Protect - a contactless machine login and audit trail system
- Sale, Lease Purchase and Rental options available

### Packaging Materials

- PVC / Styrene
- Board / Paper
- Smooth Void Film

### Standard design features and benefits

- Five minute tool changeover
- Low maintenance polymer bearings
- Simple and accurate film feed system with easy route control
- Maintenance friendly robust construction
- Accurate temperature and seal pressure control
- High accuracy tool alignment system provides a constantly accurate sealing and/or film-cutting relationship with the tray flange profile
- Simple design and operation
- Film snap detection
- Auto Tool 'Touch of a button tool change system, automatically locates and connects tools to machine functions including all MAP options
- All around seal and contoured film-cut with skeletal film rewind
- Automatic seal operation with accurate seal dwell time
- Self centering tray guides
- Automatic film roll clamping
- Food industry approved hygiene construction and washdown protection
- Full Category 3 guarding
- User friendly, menu-driven control panel with step-by-step prompts, error and status displays, and useful batch pack counter
- Recipe handling of machine settings
- Pendent mounted colour touch screen HMI control for full double-sided operation
- Recipe driven auto machine set-up for tool change
- On-screen data capture and trends with wireless connection option
- Pot crash avoidance system
- Active film tension
- Quick releases allowing easy machine hygiene maintenance
- Active conveyors to allow the machine to be used as a straight through conveyor when packs don’t require sealing
- Back-to-back machine configurations
- Peripheral equipment integration
- Film end warning
- eWON - a machine connection system to deliver real time data and error condition support, remote setup, and software upgrades, using a customer’s existing IT network
- i-film - intelligent film reel monitoring system actively adjusts film tension based on reel diameter to increase print quality and reduce component duty
- Protect - a contactless machine login and audit trail system
- Sale, Lease Purchase and Rental options available

### GT5e TFITTED AS STANDARD

- Electrical supply
- Pneumatic supply
- Weight
- Width
- Height
- Standard Length
- Height
- Width
- Depth
- Diameter

### GT5e MAP options

- eSEAL®
- Quick release conveyor belts for easy hygiene and maintenance
- Accurate temperature and seal pressure control
- Maintenance friendly robust construction
- Low maintenance polymer bearings
- Five minute tool changeover
- Food industry approved hygienic construction and washdown protection
- Inboard Cut (IC) Option to provide Form, Fill and Seal tray presentation
- Film coding and printing
- Foil crimping
- Active conveyors to allow the machine to be used as a straight through conveyor when packs don’t require sealing
The GT5eX is an automatic, extra large capacity, extra wide, high speed tray sealing system designed to cut labour costs. With increased production capacity the GT5eX is a fully automatic high speed tray sealing system with the ability to take packs up to 400mm wide long edge leading into the machine.

**GT5eX Twin** is a high throughput modular, twin lane linear heat-sealing system, designed to run in conjunction with auxiliary equipment such as tray de-misters, fillers, multthead weighers and labelers, combining into a stand-alone, fully automatic production line.

At the core of the ‘i’ design is its flexibility to perform any style of heat seal to a pre-formed tray, be that atmospheric, MAP, VMAP, Skin, Skin Plus, or Skin Deep. Each of these options can be added now or a later date, or indeed removed as necessary. This flexibility provides the user with the assurance that whatever the latest packing trend might be, they have equipment suitably geared for the future.

Designed to accept randomly spaced trays from any conveyor both machines can be easily integrated with other production line equipment.

### GT5eX Sealing capacity

<table>
<thead>
<tr>
<th>No. of trays</th>
<th>Length</th>
<th>Width</th>
<th>Depth</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two</td>
<td>424mm</td>
<td>120mm</td>
<td>120mm</td>
<td>25.5mm</td>
</tr>
<tr>
<td>Three</td>
<td>424mm</td>
<td>120mm</td>
<td>120mm</td>
<td>25.5mm</td>
</tr>
<tr>
<td>Four</td>
<td>424mm</td>
<td>120mm</td>
<td>120mm</td>
<td>25.5mm</td>
</tr>
<tr>
<td>Five</td>
<td>424mm</td>
<td>160mm</td>
<td>120mm</td>
<td>25.5mm</td>
</tr>
<tr>
<td>Six</td>
<td>424mm</td>
<td>160mm</td>
<td>120mm</td>
<td>25.5mm</td>
</tr>
<tr>
<td>Seven</td>
<td>424mm</td>
<td>144mm</td>
<td>120mm</td>
<td>197mm</td>
</tr>
</tbody>
</table>

### GT5eX Production Speed

- up to 6 cycles per minute Skin Deep max
- up to 14 cycles per minute Vacuum Gas
- up to 20 cycles per minute Standard Seal

### GT5eX Twin Sealing capacity

<table>
<thead>
<tr>
<th>No. of trays</th>
<th>Length</th>
<th>Width</th>
<th>Depth</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Four</td>
<td>538mm</td>
<td>200mm</td>
<td>120mm</td>
<td>200mm</td>
</tr>
<tr>
<td>Six</td>
<td>538mm</td>
<td>200mm</td>
<td>120mm</td>
<td>200mm</td>
</tr>
<tr>
<td>Eight</td>
<td>538mm</td>
<td>200mm</td>
<td>120mm</td>
<td>200mm</td>
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<tr>
<td>Ten</td>
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<td>197mm</td>
</tr>
<tr>
<td>Twelve</td>
<td>538mm</td>
<td>197mm</td>
<td>120mm</td>
<td>197mm</td>
</tr>
</tbody>
</table>

### GT5eX Twin Production Speed

- up to 6 cycles per minute Skin Deep
- up to 12 cycles per minute Vacuum Gas
- up to 14 cycles per minute Gas Flash
- up to 18 cycles per minute Standard Seal

### Packaging Materials

- **Trays**
  - C-PET
  - A-PET
  - B-PET
  - Polypropylene
  - PVC / Marine
  - Board / Paper
  - Smooth Wall Foil

- **Lidding**
  - Co-extruded and Laminated Polyester Films
  - Foil
  - Board
  - Paper

### Standard design features and benefits

- Five-minute tool changeover
- Low maintenance polymer bearings
- Simple and accurate film-feed system with easy film route
- Maintenance friendly, robust construction
- Accurate temperature and seal pressure control
- High accuracy tool alignment system provides a constantly accurate sealing and/or film-cutting relationship with the tray flange profile
- Simple design and operation
- Film snap detection
- Auto Tool Touch of a button tool change system, automatically locates and connects tooling to machine functions including all MAP options
- All around seal and contoured film-cut with skeletal film rewind
- Automatic seal operation with accurate seal dwell time
- Self-centering tray guides
- Automatic film roll clamping
- Food industry approved hygienic construction and washdown protection
- Full Category 3 guarding
- User friendly, menu-driven control panel with step-by-step prompts, error and status displays, and useful batch pack counter
- Recipe handling of machine settings
- Self diagnostic system
- Pendent mounted colour touch screen HMI control for full double-sided operation
- Recipe driven auto machine set-up for tool change
- On-screen data capture and trends with wireless connection option
- Pot crash avoidance system
- Active film tension
- Quick release conveyor belts for easy hygiene and maintenance
- eSEAL® - high performance, high precision, high force electric seal system that benefits from an increased seal force of 600% whilst reducing compressed air usage by 92%
- Promotion - a high accuracy continuous motion tray infeed system, which increases production speed whilst reducing machine duty

### Options available

- Free flow gas Rapid MAP (Modified Atmosphere Packaging)
- High Oxygen (O2) gas flush
- Vacuum - used for applications such as retorting or for when the lid level needs to be controlled
- Vacuum Gas - ideal for where residual gas levels have to be sub 7% or below
- SKIN - Skin packaging sub flanges
- SKIN PLUS - Skin packaging up to 50mm above the tray flange
- SKIN DEEP - Skin packaging up to 100mm above the tray flange
- CLOSE CUT - Method of maximizing throughput and reducing film waste
- Inboard Cut (IC) Option to provide Trim, Fill and Seal tray presentation
- Film coding and printing
- Foil crimping
- Active conveyors to allow the machine to be used as a straight through conveyor when packs don’t require sealing
- Back-to-back machine configurations
- Perforated equipment integration
- Film and warning
- aWON® - a machine connection system to deliver real time data and error condition support, remote setup, and software upgrades, using a customer’s existing IT network
- i-film® - intelligent film reel monitoring system actively adjusts film tension to increase print quality and reduce component duty
- Protect - a contactless machine login and audit trail system
- Sale, Lease Purchase and Rental options available

### GT5eX / GT5eX Twin Specifications

#### GT5eX Twin

<table>
<thead>
<tr>
<th>Height</th>
<th>2188mm / 2188mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>4213mm / 4365mm</td>
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<tr>
<td>Depth</td>
<td>1266mm</td>
</tr>
<tr>
<td>Diameter</td>
<td>77mm</td>
</tr>
<tr>
<td>Weight</td>
<td>160kg x version dependent</td>
</tr>
<tr>
<td>Pneumatic supply</td>
<td>17CFM @ 20 cycles per minute</td>
</tr>
<tr>
<td>Electrical supply</td>
<td>400 VAC 6kW 3 phase (fused at 32A)</td>
</tr>
</tbody>
</table>

Transformers are available to accommodate the electrical supplies in different countries.

### GT5eX Twin

<table>
<thead>
<tr>
<th>Height</th>
<th>2345mm / 2345mm</th>
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</thead>
<tbody>
<tr>
<td>Width</td>
<td>4244mm</td>
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<tr>
<td>Depth</td>
<td>1078mm</td>
</tr>
<tr>
<td>Diameter</td>
<td>77mm</td>
</tr>
<tr>
<td>Weight</td>
<td>160kg x version dependent</td>
</tr>
<tr>
<td>Pneumatic supply</td>
<td>17CFM @ 20 cycles per minute</td>
</tr>
<tr>
<td>Electrical supply</td>
<td>400 VAC 11kW 3 phase (fused at 70A)</td>
</tr>
</tbody>
</table>

Transformers are available to accommodate the electrical supplies in different countries.
With increased production capacity the GT6ex is a fully automatic high speed tray sealing system designed to cut labour costs.

The GT6ex is a high throughput modular twin lane linear heat-sealing system, designed to run in conjunction with auxiliary equipment such as tray de-nesters, fillers, multhead weighers and labellers, combining into a stand-alone, fully automatic production line.

At the core of the ‘d design is its flexibility to perform any style of heat seal to a pre-formed tray, be that atmospheric, MAP, VMAP, Skin Deep. Each of these options can be added now or a later date, or indeed removed as necessary. This flexibility provides the user with the assurance that whatever the latest packing trend might be, they have equipment suitably geared for the future.

Designed to accept randomly spaced trays from any conveyor both machines can be easily integrated with other production line equipment.

**GT6ex / GT6ex Twin Specifications**

<table>
<thead>
<tr>
<th>No. of trays</th>
<th>Length</th>
<th>Width</th>
<th>Depth</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Four</td>
<td>412mm</td>
<td>200mm</td>
<td>120mm</td>
<td>162mm</td>
</tr>
<tr>
<td>Six</td>
<td>412mm</td>
<td>200mm</td>
<td>120mm</td>
<td>162mm</td>
</tr>
<tr>
<td>Eight</td>
<td>412mm</td>
<td>200mm</td>
<td>120mm</td>
<td>162mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>No. of trays</th>
<th>Length</th>
<th>Width</th>
<th>Depth</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Four</td>
<td>631mm</td>
<td>200mm</td>
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<td>Six</td>
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<td>120mm</td>
<td>200mm</td>
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<tr>
<td>Eight</td>
<td>631mm</td>
<td>200mm</td>
<td>120mm</td>
<td>200mm</td>
</tr>
</tbody>
</table>

**GT6ex Production Speed**

- up to 6 cycles per minute Skin Deep
- up to 12 cycles per minute Vacuum Gas
- up to 14 cycles per minute Gas Flush
- up to 18 cycles per minute Standard Seal

**Options available**

- Free flow gas flush MAP (Modified Atmosphere Packaging)
- High Oxygen (O2) gas flush
- Vacuum - used for applications such as retorting or for when the lid level needs to be controlled
- Vacuum Gas - ideal for where residual gas levels have to be sub 1%
- SKIN - Skin packaging sub flange
- SKIN PLUS - Skin packaging up to 50mm above the tray flange
- SKIN DEEP - Skin packaging up to 100mm above the tray flange
- CLOSE CUT - Method of maximising throughput and reducing film waste
- Inhouse Cut (IC) Option to provide Trim, fill and seal tray presentation
- Film coding and printing
- Foil crimping
- Active conveyors to allow the machine to be used as a straight through conveyor when packs don’t require sealing
- Back-to-back machine configurations
- Peripheral equipment integration
- Film end warning
- eWON - a machine connection system to deliver real time data and error condition support, remote setup, and software upgrades, using a customer’s existing IT network
- i-film - intelligent film reel monitoring system actively adjusts film tension to increase print quality and reduce component duty
- Protect - a contactless machine login and audit trail system
- Sale, Lease Purchase and Rental options available

**GT6ex / GT6ex Twin**

**Packaging Materials**

- Trays
  - C-PET
  - A-PET
  - R-PET
  - PVC / UHMW
  - Board / Paper
  - Smooth Wall Foil

- Lidding
  - Co-extruded and Laminated Polymer Films
  - Foil
  - Board
  - Paper
  - Smooth Wall Foil

**GT6ex Sealing capacity**

- No. of trays: 4, 6, 8
- Length: 400mm, 303mm, 237mm, 139mm, 4963mm, 2237mm, 631mm
- Width: 120mm, 162mm, 237mm, 200mm, 400mm, 200mm
- Depth: 120mm, 162mm, 200mm, 139mm, 194mm, 194mm, 194mm
- Diameter: 400mm, 303mm, 237mm, 200mm, 139mm, 194mm, 194mm

**GT6ex Twin Sealing capacity**

- No. of trays: 4, 6, 8, 12, 14, 16, 20, 24, 32
- Length: 4963mm, 2237mm, 631mm, 200mm, 120mm
- Width: 2237mm, 1265mm, 1265mm, 2237mm, 1265mm
- Depth: 120mm, 162mm, 237mm, 200mm, 120mm
- Diameter: 194mm, 194mm, 194mm, 194mm, 194mm

**Specifications**

- Height: 2237mm / 2237mm
- Standard Length: 4963mm / 4963mm
- Width: 1265mm / 1265mm
- Height: 2237mm / 2237mm
- Weight: 1900 kg x version dependent
- Pneumatic supply: 1.7CFM @ 20 cycles per minute
- Electrical supply: 400VAC 60Hz 3 phase (fused at 32A)

Transformers are available to accommodate the electrical supplies in different countries.
The GT3S is a fully automatic linear conveyor carton sandwich wedge erector and heat sealing system with a unique 3 axis, loading conveyor to seal area, transfer system and ultra-quick size change, capable of up to 120 packs per minute.

The GT3SV modified atmosphere version of the GT3S machine is the world’s first MA carton sandwich wedge erecting and sealing machine capable of up to 60 packs per minute.

A high throughput carton sandwich wedge de-nest, erect, gas flush and seal machine, capable of speeds up to 100 packs per minute, which has a unique 3 axis carton sandwich wedge transfer system enabling the carton sandwich wedges to be conveyed on hygienic carriers that have a single point size adjustment.

Capable of handling a wide variety of carton sandwich wedge sizes, and with a sub 5 minute size change over, the GT3S range is perfect for users requiring maximum throughput with the minimum of labour.

Both systems have station options for label applicators and printers offering the customer a turn-key production line solution for cartonboard sandwich packaging.

Packaging Materials
- Trays
  - Carton Sandwich Wedges

GT3S / GT3SV Specifications
- Height: 2425mm
- Standard Length: 8488mm minimum - Overall length to suit customer requirements
- Width: 1320mm
- Weight: Model dependent
- Pneumatic supply: 1.7CFM @ 15 cycles per minute
- Electrical supply: 400 VAC 3 phase (fused at 32A)

GT3S / GT3SV Sealing Capacity
- up to 65mm wide sandwich pack sizes: 10 impression tooling - 4" tooling pitch
- up to 95mm wide sandwich pack sizes: 8 impression tooling - 5" tooling pitch
- up to 110mm wide sandwich pack sizes: 4 impression tooling - 6" tooling pitch

Options available
- Vacuum gas flush for extended shelf life (Standard on GT3SV)
- Laser printer for on-line date coding
- Video recognition for packaging verification
- Label applicator
- eWON - a machine connection system to deliver real time data and error condition support, remote setup, and software upgrades, using a customer’s existing IT network
- Remote live windows based link for production monitoring and trends
- Down-stream integration with check weigh and metal detector
- HOT ROD - long-lasting, water resistant seal tool heating element giving reduced energy consumption especially developed for sealing Smooth Wall Foil Trays
- Sale, Lease Purchase and Rental options available

Standard design features and benefits
- All stainless steel and aluminium construction
- Fully automatic carton de-nesting and erecting with quick size change
- Food industry approved hygienic construction and washdown protection
- Category 3 guarding
- User friendly, menu-driven control panel with step-by-step prompts, error and status displays, and useful batch pack counter
- Recipe handling of machine settings
- Internet connection for remote monitoring and fault diagnostics
- Fully integrated control of machine and ancillary equipment
- Servo driven 3 axis carton sandwich wedge handling system for perfect presentation
- Automatic carton sandwich wedge eject
- Can run carton widths up to 110mm with ultra-quick size change
- Self-diagnostic system
- Pendant mounted colour touch screen HMI control for full double-sided operation
- Recipe-driven auto machine set-up for tool change
- Automatic tool clamp for mechanical and electrical connection
- ‘Y’ style out feed conveyor gives excellent presentation of packs to Laser date coders and labelling equipment
- eSEAL® - high performance, high precision, high force electric seal system that benefits from an increased seal force of 600% whilst reducing compressed air usage by 92%

Transformers are available to accommodate the electrical supplies in different countries

GT3S / GT3SV Production Speed
- GT3S (seal only) runs at 10 to 15 cycles per minute
- GT3SV (vacuum gas flush) runs at 6 to 8 cycles per minute
The SP30/60/90 is a linear conveyor sandwich packing system capable of sealing up to 30/60/90 packs per minute respectively.

A high throughput modular, linear tray sealing system designed to de-nest, erect and seal cardboard sandwich skillets. A high-speed platten style sandwich packing machine, specifically designed to reduce labour costs involved with packing sandwiches into cardboard sandwich skillets. Capable of handling a wide variety of sandwich skillets, and with 5 minute skillet size change, the SP range is perfect for users requiring maximum throughput with the minimum of labour. Easily integrated with other production line equipment.

**Packaging Materials**

| Trays | Carton Sandwich Wedges |

**Options available**

- Sandwich Pack Sealing for Card, Recyclable and Non Recyclable Plastic
- Peripheral equipment integration
- Touch screen controls
- Servo driven conveyor
- Tray/sandwich skillet coding and printing
- Automatic sandwich skillet de-nesting, erecting and placing system
- Stainless steel sandwich transfer conveyor
- Automatic lid pick and place for separate sandwich skillets and pre-cut lid applications
- eWON - a machine connection system to deliver real time data and error condition support, remote setup, and software upgrades, using a customer’s existing IT network
- Tray ejection, collation and orientation options
- Sale, Lease Purchase and Rental options available

**Standard design features and benefits**

- Low maintenance polymer bearings
- Maintenance friendly robust construction
- Accurate temperature and seal pressure control
- High accuracy tool alignment system provides a constantly accurate sealing and/or film-cutting relationship with the tray flange profile
- All around seal only (No Cut) for packs with pre-cut or hinged lids
- Automatic seal operation with accurate seal dwell time
- Food industry approved hygienic construction and washdown protection
- Full Category 3 guarding
- User friendly, menu-driven control panel with step-by-step prompts, error and status displays, and useful batch pack counter
- Recipe handling of machine settings
- Self diagnostic system
- Recipe driven auto machine set-up for tool change
- On-screen data capture and trends with wireless connection option
- Modular design allows customer to specify conveyor length, width and tray pitch
- Fully integrated control of machine
- A high specification conveyor drive system provides full control of the linear acceleration, deceleration and velocity of product movement and eliminates spillage
- Automatic tray eject allowing post seal operations to be carried out efficiently
- Can run skillet widths from 63mm to 108mm
- All size changes done by line operators - not engineers

**SP30/60/90 Specifications**

<table>
<thead>
<tr>
<th>Height</th>
<th>1950mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Length</td>
<td>length to customer’s specification</td>
</tr>
<tr>
<td>Width</td>
<td>SP30: 1200mm, SP60/90: 1450mm</td>
</tr>
<tr>
<td>Conveyor plate width</td>
<td>SP30: 350mm, SP60/90: 500mm</td>
</tr>
<tr>
<td>Weight</td>
<td>SP30: 1000kg + (version dependent), SP60/90: 1500kg + (version dependent)</td>
</tr>
<tr>
<td>Pneumatic supply</td>
<td>25CFM (707L/min) at 80psi (6 bar)</td>
</tr>
<tr>
<td>Electrical supply</td>
<td>240 VAC 2kW single phase (fused at 16A) + 3kW 3 phase 16A option</td>
</tr>
</tbody>
</table>

Transformers are available to accommodate the electrical supplies in different countries.

**SP30/60/90 Production Speed**

- SP30: 15 cycles per minute max (30 packs per minute with a 2 impression tool)
- SP60: 15 cycles per minute max (60 packs per minute with a 4 impression tool)
- SP90: 15 cycles per minute max (90 packs per minute with a 6 impression tool)
The AP60 provides the flexibility required by food producers looking for a fully automated turnkey production line. The customer can specify the length and width of the indexing conveyor to accommodate their tray de-nesting and filling requirements.

Optional ‘free flow’ gas flush (modified atmosphere packaging) available for extended shelf life.

Easily integrated with other production line equipment.

### Standard design features and benefits
- Low maintenance polymer bearings
- Simple and accurate film-feed system with easy film route
- Maintenance friendly robust construction
- Accurate temperature and seal pressure control
- High accuracy tool alignment system provides a constantly accurate sealing and/or film-cutting relationship with the tray flange profile
- All around seal only (No Cut) for packs with pre-cut or hinged lids
- All around seal and contoured film-cut with skeletal film rewind
- Automatic seal operation with accurate seal dwell time
- Food industry approved hygienic construction and washdown protection
- Full Category 3 guarding
- User friendly, menu-driven control panel with step-by-step prompts, error and status displays, and useful batch pack counter
- Recipe handling of machine settings
- Self diagnostic system
- Recipe driven auto machine set-up for tool change
- On-screen data capture and trends with wireless connection option
- Active film tension
- Pendant mounted colour touch screen HMI control
- Modular design allows customer to specify conveyor length, width and tray pitch
- Variable pitch indexing conveyor will accommodate tray and lid dispensers, filling and weighing heads
- Fully integrated control of machines, tray and lid dispensers, filling and weighing heads
- A high specification conveyor drive system provides full control of the linear acceleration, deceleration and velocity of product movement and eliminates spillage
- Automatic tray eject allowing post seal operations to be carried out efficiently

### Options available
- Free flow gas flush MAP (Modified Atmosphere Packaging)
- High Oxygen (O2) gas flush
- CLOSE CUT: Method of maximising throughput and reducing film waste
- Inboard Cut (IC) Option to provide ‘form, fill and seal’ tray presentation
- Film coding and printing
- Foil crimping
- Sandwich Pack Sealing for Card, Recyclable and Non Recyclable Plastic
- Film snap detection
- Peripheral equipment integration
- Remote diagnostics modem
- Film end warning
- Pneumatic film core clamp
- Vacuum
- Automatic film roll clamping
- Touch screen controls
- Automatic tray de-nesting
- Automatic lid pick and place
- Automatic lid overcapping
- Integrated air and electrical outlets along the machine length for auxiliary equipment
- Filer integration
- Labeler integration
- On-line weighing
- Servo driven conveyor
- Stainless steel sandwich transfer conveyor
- Automatic lid pick and place for separate sandwich skill and pre-cut lid applications
- eWON - a machine connection system to deliver real time data and error condition support, remote setup, and software upgrades, using a customer’s existing IT network
- Tray-suction, collation and orientation options
- HOT ROD - long-lasting, water resistant seal tool heating element giving reduced energy consumption especially developed for sealing Smooth Wall Foil Trays
- Sale, Lease Purchase and Rental options available

### Packaging Materials

<table>
<thead>
<tr>
<th>Trays</th>
<th>Lidding</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-PET</td>
<td>Co-extruded and Laminated Polyester Films</td>
</tr>
<tr>
<td>A-PET</td>
<td>Foil</td>
</tr>
<tr>
<td>R-PET</td>
<td>Board</td>
</tr>
<tr>
<td>Polypropylene</td>
<td>Paper</td>
</tr>
<tr>
<td>PVC / PSY</td>
<td>Smooth Wall Foil</td>
</tr>
<tr>
<td>Board / Paper</td>
<td>Combined Sandwich Skillets</td>
</tr>
</tbody>
</table>

### AP60 Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>2147mm</td>
</tr>
<tr>
<td>Pneumatic supply</td>
<td>25CFM (707L/min) at 80psi (6 bar)</td>
</tr>
<tr>
<td>Electrical supply</td>
<td>240 VAC, 24V single phase (fused at 16A) + 3kW 3 phase 16A option</td>
</tr>
</tbody>
</table>

### AP60 Production Speed

20 cycles per minute max
(460 packs per minute with an 8 impression tool)
An open style linear conveyor with an intelligent filler control system.

A high throughput modular, tray conveyor and filler control system, available in either single or twin lane configuration, designed to integrate with auxiliary equipment (such as tray de-nesters, fillers, multihead weighers) and feeding filled trays seamlessly into any in-line automatic machine, including the GT0, GT1, GT2 or GT3 to create a fully automatic production line.

Easily integrated with other production line equipment.

With throughput speeds of up to 60 packs per minute in continuous mode and 45 packs per minute in indexing mode with 0.5 second fill dwell. The OC Conveyor/Twin provides the flexibility required by food producers looking for a fully automated, turnkey production line with rapid product and tray type changeover in under 5 minutes and can achieve production speeds of 120ppm in indexing mode.

Transformers are available to accommodate the electrical supplies in different countries.

### Standard design features and benefits

- Low maintenance polymer bearings
- Maintenance friendly robust construction
- Food industry approved hygienic construction and washdown protection
- Full Category 3 guarding
- User friendly, menu-driven control panel with step-by-step prompts, error and status displays, and useful batch pack counter
- Recipe handling of machine settings
- Recipe driven auto machine set-up for pack change
- Modular design allows customer to specify conveyor length, width and tray pitch
- Variable pitch indexing conveyor will accommodate tray and lid dispensers, filling and weighing heads
- Fully integrated control of machine, tray and lid dispensers, filling and weighing heads
- A high specification conveyor drive system provides full control of the linear acceleration, deceleration and velocity of product movement and eliminates spillage
- QC button for one shot filling single pack
- Self-centering tray guides

### Options available

- Peripheral equipment integration
- Automatic tray de-nesting
- Automatic lid pick and place
- Automatic lid overcapping
- Integrated air and electrical outlets along the machine length for auxiliary equipment
- Filler integration
- Labeller integration
- Online weighing
- Servo driven conveyor
- eWON - a machine connectivity system to deliver real-time data and error condition support, remote setup, and software upgrades, using a customer’s existing IT network
- Travelling motion filler heads
- Sale, Lease Purchase and Rental options available

### OC Conveyor/Twin Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Single lane</th>
<th>Twin lane</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>1871mm (Single)</td>
<td>2081mm (Twin) at top of control panel, chain height 900mm</td>
</tr>
<tr>
<td>Standard Length</td>
<td>length to customer’s specification from 2m of filling length up to 20m</td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>701mm (Single) 1174mm (Twin)</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>model dependent</td>
<td></td>
</tr>
<tr>
<td>Pneumatic supply</td>
<td>3CFM (85L/min) at 80psi (5 bar)</td>
<td></td>
</tr>
<tr>
<td>Electrical supply</td>
<td>415 VAC three phase fused at 16A</td>
<td></td>
</tr>
</tbody>
</table>

### OC Conveyor/Twin Production Speed

- Up to 60 packs per minute single lane
- Up to 120 packs per minute twin lane
SC Conveyor

A flat belt style product transfer conveyor.

The SC conveyor is a modular flat belt product assembly conveyor. With an all stainless steel construction and hygienic design, it features an easy clean belt and speed control. It can be specified with a full control system for auxiliary equipment such as volumetric fillers, tray de-nesters and weighing stations.

Standard design features and benefits

- Maintenance friendly robust construction
- Food industry approved hygienic construction and washdown protection
- Belts available in 3 grades: standard specification polyurethane, mid specification PU and fully sealed and white indicator marks for tray denest control
- Integrated belt lifters for easy cleaning of the belts and machine

Options available

- Automatic tray de-nesting
- Integrated air and electrical outlets along the machine length for auxiliary equipment
- Safe, Lease Purchase and Rental options available

SC Conveyor Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>1990mm at top of control panel, belt height 900mm</td>
</tr>
<tr>
<td>Standard Length</td>
<td>length to customer’s specification from 2m of filling length up to 20m</td>
</tr>
<tr>
<td>Width</td>
<td>650 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>model dependent</td>
</tr>
<tr>
<td>Electrical supply</td>
<td>240 VAC 0.4kW single phase (fused at 16A)</td>
</tr>
</tbody>
</table>

Slipstream Conveyor

The Slipstream conveyor is a fully automatic conveyor designed to accept a stream of single trays and separate them into twin lane format. It has intelligent control and is fully compatible with our in-line GT Twin machinery range.

Standard design features and benefits

- Maintenance friendly robust construction
- Food industry approved hygienic construction and washdown protection
- Buildback sensor
- High speed shuttle system for tray diversion

Options available

- Servo paddle arrangement for tray diversion
- Multi lane configuration
- Checkweigher integration with reject lane

Slipstream Conveyor Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>1317mm, Belt height 883mm</td>
</tr>
<tr>
<td>Standard Length</td>
<td>1418mm</td>
</tr>
<tr>
<td>Width</td>
<td>766 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>400kg (model dependent)</td>
</tr>
<tr>
<td>Pneumatic supply</td>
<td>2 CFM at 15 cycles per minute</td>
</tr>
<tr>
<td>Electrical supply</td>
<td>240 VAC 0.4kW single phase (fused at 16A)</td>
</tr>
</tbody>
</table>

Tool Storage

Tool storage and loading options are available for all our in-line GT Range of machinery. Options include tool pre-heat for increased speed of product changeover. The PH range of pre-heat can be configured for 1-14 impression tooling.

Tool Storage Specifications

<table>
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</tr>
</tbody>
</table>
Significant innovations

Proseal is constantly striving to develop new machines to add to their range whilst continuing to update and improve existing machines.

Latest developments include advanced touch screen control with onboard features such as RFID technology for user login and full audit trail for historic parameter adjustments. The use of cloud-based technology has allowed our Pro-Vision system to come to life where users can access OEE data from internet devices such as tablets and smartphones.

Interpolated servo control throughout the machine range has, through continuous motion, allowed an increase in throughput whilst at the same time providing calm movement of the product throughout the cycle.

An important feature to note is that all new features can be retro fitted onto existing GT machinery ensuring that the user has continued access to the latest developments.

We also work closely with supermarkets and packaging suppliers on the development of new environmentally friendly food packaging and have been at the forefront of some of the latest innovations now seen in the market.

We consider the operator, engineer and the accountant throughout the development phase. We strive to offer tangible benefits to each through higher levels of reliability, greater simplicity, a smaller footprint, greater ease of use and lower cost of ownership.

The use of alternative packaging materials and the drive to broaden our portfolio of products has seen extensive developments in the field of cardboard packaging and pre-cut foil-sealing systems.

TONY BURGESS | HEAD OF SALES AND CONTROL SYSTEMS
The Protect Security System provides each authorised user tailored access depending on security requirements.

Different levels of authorisation can be set for individual personnel. The system keeps a log of information inputted for full traceability in the event of any problems, and any attempt to log in above a person’s level of authorisation will also be registered and recorded.

Benefits of Proseal Protect system

- Prevents unauthorised access to the machine setting
- Can be operated with non-contact access card
- Can be managed ‘at the machine’ by the administrator and the access levels can be created for new users or amend existing ones
- Can record access attempts by unauthorised users
- Can perform audit functions and on a user by user basis and monitor changes

In the constant drive to improve machine speeds and product handling Proseal has developed a continuous motion tray infeed system.

Promotion

A Proseal machine fitted with the e-SEAL® high force electric heat seal system benefits from an increase of seal force of 600%, but consumes only 8% of the air of a machine fitted with an equivalent standard pneumatic cylinder.

Benefits of the NEW eSEAL® System

- Significantly reduces machine air consumption
- Improves seal quality as the seal force is increased by up to 600%
- Gives the potential to increase machine productivity through a reduced seal time
- Can be specified on all new Proseal GT series tray sealing machinery
- Improves MAP processes through ensuring accurate gas flush positioning
- Can potentially reduce gas flush cycle times

Due to the demands on precious production time, the trend towards lower seal times and the use of smooth wall foil trays, heat delivery systems have to be working at their optimum levels.

Benefits of hotrod

- Significantly increases the life of the heating system
- Protects tooling from water related failures
- Focuses the heat on to the tray contact face
- Gives the potential to increase machine productivity through a reduced seal time

In order to be able to satisfy these requirements we have developed a high efficiency tool heating system that provides the following benefits:

Extended life

Due to the nature of the robust construction principles of the system we believe that its life will be at least double that of existing heat delivery sources.

Water ingress protection

Although the electrical connections would still be sensitive to water the main body of the system would be resistant to water. This is of particular benefit when toonig is used in an environment where large quantities of water is used and prevents those costly start up delays as wet heater mats are replaced.

This system combats localised temperature drain by using a method which focuses the heat delivery to the tray contact face.

In the constant drive to reduce power consumption, Proseal have developed a revolutionary high performance, high precision, high force electrical delivery system that dramatically reduces the air consumption normally associated with high speed tray sealing machinery.

Benefits of the new e-SEAL® System

In principal Promotion allows food trays to be continuously fed into the machine without having to pre-sort or adjust pack spacing.

Following motion technology ensures that product flow is unhindered and provides the ultimate platform for smooth operation.

Benefits of Promotion

- Increased production speed
- Improved product handling
- In-time motion allowing calm machine operations
- Standard on all the GT6/GTs machines
- Can be used to create a digital archive where data needs to be stored on a user by user basis i.e. gas checking and database management of recordings on a user by user basis
- Can export all data to other computer systems
- Standard on our GTS model

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As a market leader... we never stand still

Our reputation for outstanding quality, speed and reliability throughout our range of sealing equipment, which has made us the benchmark for the industry, is something of which we are extremely proud and equally determined to maintain.

That's why we employ a policy of continuous improvement to ensure our machines meet changing market requirements and customer needs; and why our pro-active new product development programme allows us to anticipate and respond to the latest trends.

Whatever your requirements, from a simple manual machine to a fully integrated packing line, we have the knowledge, expertise and experience to tailor a solution to your precise specifications.