



Innovation

inspiring solutions



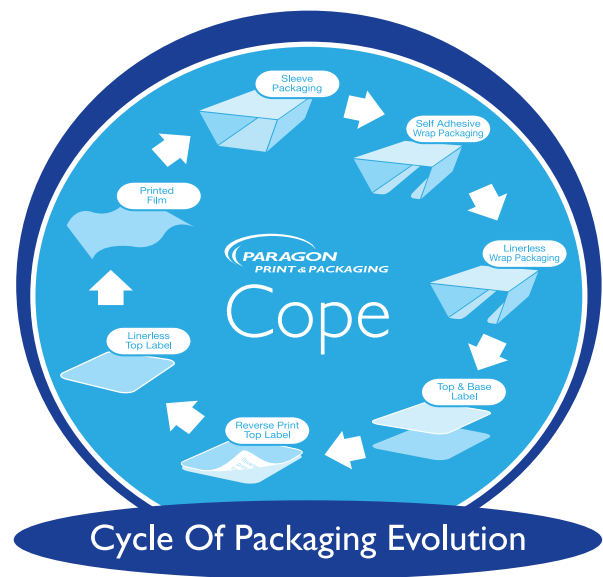


Innovation

Paragon have created a portfolio of packaging products to compliment the **cycle of packaging evolution (cope)**.

Our strategic portfolio of products enable us to **cope** with all packaging minimisation initiatives to support our environmental objectives and deliver courtauld commitment compliant packaging to our customers.

cope also ensures product knowledge is retained through this process ensuring a smooth transition into new packaging formats.

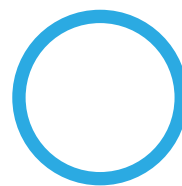
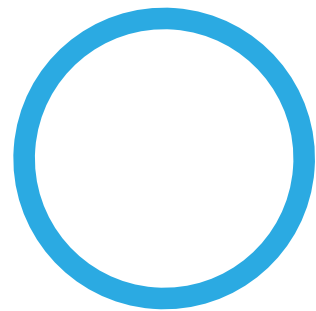


‘now there’s an idea’



Peel-a-Meal™* is the easy-to-use peelable tab for convenient in the bag or tray microwave cooking. Safe and secure, your customers will be delighted with the results – cooked to perfection whilst optimising nutritional values.

- Microwave steam **venting is built into the bag or tray** by a series of perforated holes covered by a **peelable label** which is removed immediately prior to cooking.
- The steam venting perforation matrix is designed for **optimum cooking** for each produce item.
- **Shelf life** of the produce prior to cooking is **protected** by the permeability of **Paragon Flexibles' breathable film technology – Freshlife.**
- Peel-a-Meal™ film is supplied pre-labelled on the roll using Paragon Flexibles' PreFix™ technology. This film will run on **conventional VFFS** and **horizontal flow-wrap** and **tray and top seal equipment.**



“now there's an idea”



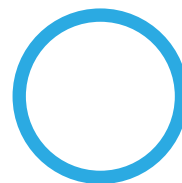
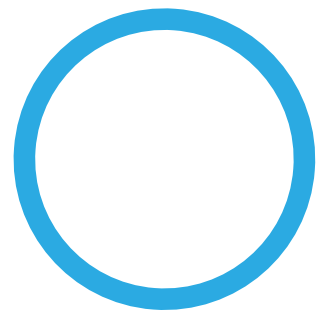
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UNZIPme™

This exciting snacking solution is a collaborative product developed utilizing both flexibles and labels technology.

- Any snack product can be flow wrapped using our propriety UNZIPme™ film to ensure **optimum freshness**.
- The UNZIPme™ feature of the film allows the product to be **opened easily** creating a plate for product consumption.
- A 170gm board outer completes the solution delivering an increased communication area whilst providing an integral product support.
- The whole process is an automated solution delivering production efficiencies with proven technology and finally **consumer convenience** benefit.
- UNZIPme™ is available both in **conventional** and **bio-plastics technology**.



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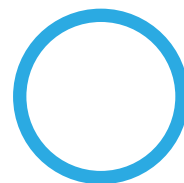
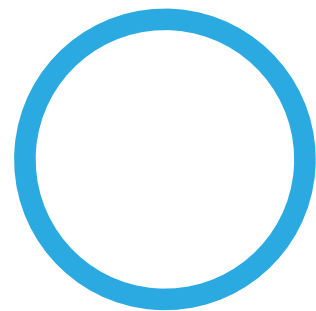
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RESPIROcomp™

Paragon Flexibles have developed software to expedite respiration rate determination.

- Customers can now benefit from a data base programmed with pack, atmosphere and **product variables** which determine a perforation configuration **without extensive trawling** necessary.
- The technology centre laboratory can then **fine tune** the software prognosis using its time temperature protocols and gas analysis **testing procedures**.
- We can provide **optimised film solution** for our customers **50% faster** than using conventional means to obtain product specific data.



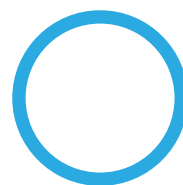
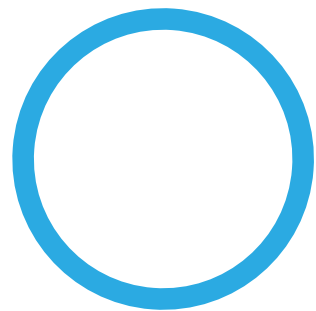
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The Stack and Wrap system will band two or more packs together delivering a cost effective promotional pack with in-line convenience.

- Stack and Wrap was developed after a retail request to find some way of ensuring shoppers could **quickly and clearly identify which products were on promotion**. It is not uncommon for two different bacon products to be selected individually by shoppers in the belief they buy one get one free promotion related to any bacon product on display.
- **Providing a twinpack solution** that did not affect production line efficiencies was the target for the teams.
- Stack and Wrap has delivered a flexible solution benefitting manufacturers and consumers alike., **social** and **sustainability** issues.



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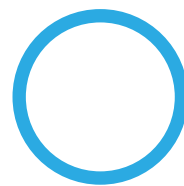
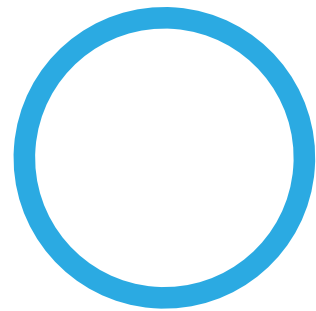
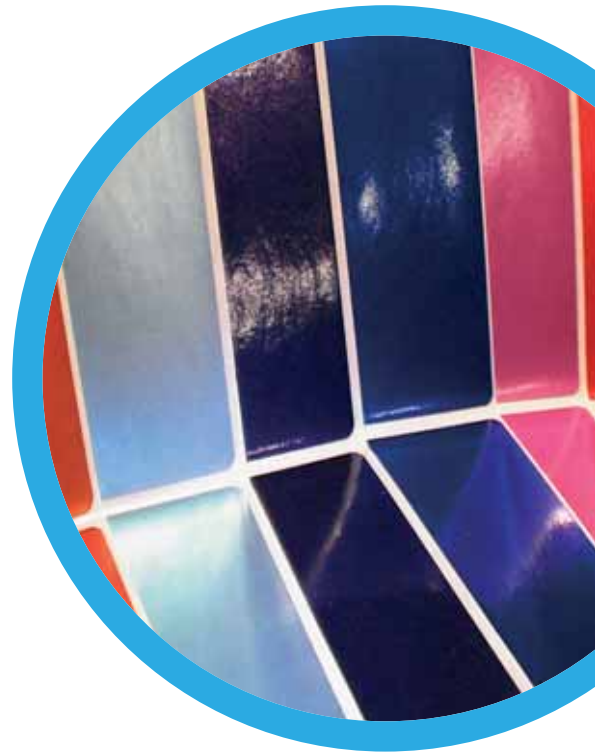
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Lustre Inks™

Paragon Print and Packaging have developed the Lustre™ ink system to deliver 'real' metallic print effects without the need for foil/metallised substrate use in paper, board and film.

- **Metallic results** for Paper, Board and Film.
- Reduces the metallic element for **compostable purposes**.
- Our **Lustre™** ink system delivers continuity across packaging formats while **benefitting the environment**.



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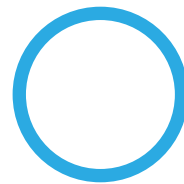
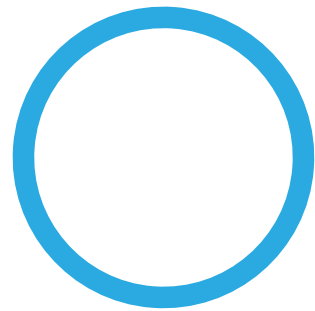
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C.O.M.S

Client online management service
C.O.M.S has been developed by
Paragon to bring packaging supply
into the 21st century

- This unique service enables **our customers** to **access** their label **specifications** and other **account information** **online 24/7**.
- Real time **stock updates** and **account history** are just a couple of ways this **secure password enabled service** can benefit you.
- We are continually looking to **develop initiatives** that **benefit our customers** with **market leading technology** and welcome any suggestions you may have to **enhance our service further**.



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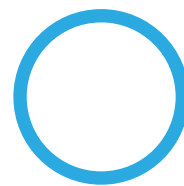
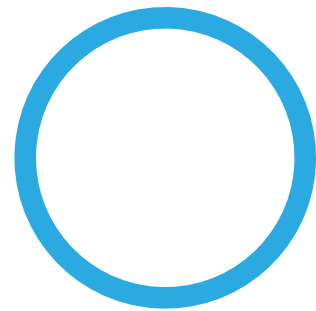
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Promotional Labelling

Our promotional labelling products can help you increase sales, create awareness of a particular subject or simply increase space for on pack copy.

- Our range of Promotional and **copy expansion labels** can give your message the elevation it requires.
- We have developed **extensive formats** to ensure we can deliver the right product for any application.
- Coupon labels, coin reactive labels, redemption token labels and booklet labels are just some of the ways we can **improve product impact**.



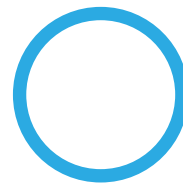
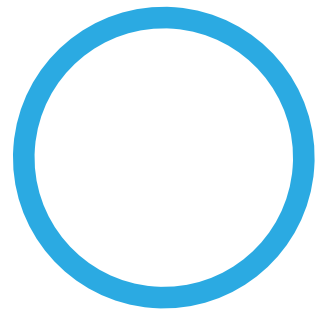
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Linerless Labelling

This versatile linerless label and sleeve packaging application system can utilise board, paper and synthetic substrates further enhancing the system flexibility. Enabling users to follow retail packaging trends.

- Our investment in a **coater** has ensured the **quality** and **performance** of our linerless label product. The coater applies the **silicone face** and **pattern adhesive** to the back of the linerless label product which is the critical part of the product construction.
- New for 2007 are two more application machines for the Linerless label stable. A compact label applicator capable of **120 packs per minute** which can **reduce** typical label applicator set up and reel changeover times **by 20%** and an applicator for **irregular packs** such as wholebird poultry.
- Paragon advocate the use of Linerless label technology as part of our corporate responsibility to **environmental** , **social** and **sustainability** issues.



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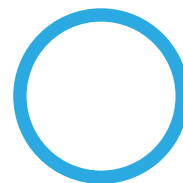
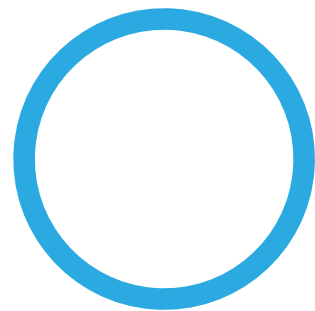
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Aperture Labelling

A packaging minimisation initiative for window patched sleeved product. Our Aperture labels are manufactured inline using a process developed by Paragon to enable product visibility from a monosubstrate.

- Because **we do not add component materials** we are assisting in the packaging minimisation process.
- The aperture removed from the label is **recycled** through the National waste paper management chain.
- Aperture labels are ideal for products which benefit from consumer inspection where **quality is evident**.
- These labels can be **reverse printed** to ensure communication space is maintained.
- The flexibility and **cost effectiveness** of this product has delivered benefits over both printed film, Sleeve and window patched cartons.



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freshlife^{bio}TM

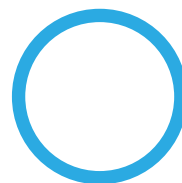
A new range of bioplastic films converted for whole and fresh cut produce packaging by Paragon Flexibles' proprietary breathable film technology.

- Freshlife BioTM films are non-food crop sourced and are **sustainable, renewable** and **biodegradable**.
- Freshlife BioTM films are **compostable to the European standard**, EN13432, and are certified Compostability logo.
- Freshlife BioTM films are available for **vertical bagging, horizontal flowwrap** and **top seal lidding applications**.
- Top seal lids are weld seal or peelable.



compostable

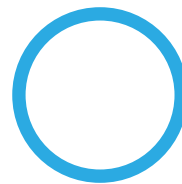
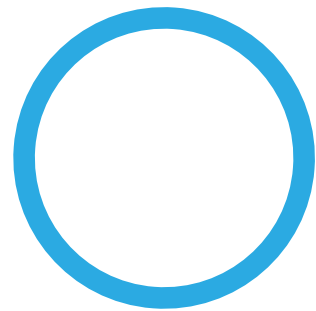
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freshlife

A range of breathable plastic produce packaging films created by Paragon Flexibles' proprietary food science, film and perforation technologies.

- Freshlife™ films maintain the integrity of whole and **fresh cut produce** from the point of processor packaging to that of consumer usage.
- Food science is Paragon Flexible' enabling technology. It creates a definition of product **shelf life** needs throughout distribution. It is product and **temperature protocol specific**.
- Packaging science translates **product needs** into a film specification to meet the shelf life criteria for each product.
- Freshlife™ technology **optimises produce quality** and creates innovative new market opportunities.



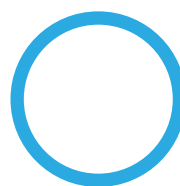
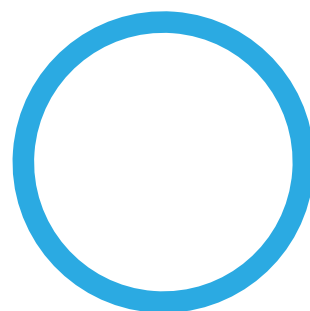
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MICROsteam™

As a competitive food manufacturer or processor you're always on the look out for creative ways to offer your customers a greater range of products. That's why we've launched MICROsteam™ valve technology.

- It's a unique development that enables food to be **tenderly steam cooked** in the microwave, without the need to remove any packaging.
- During microwave cooking, steam builds up safely within the pack until the **MICROsteam™ valve** opens allowing the steam to escape.
- A quick and convenient way to serve up great tasting food that's cooked to perfection.
- Ideal for **raw and processed foods** such as poultry and fish portions, vegetables, fresh snacks that are suited to steaming; plus **fresh and frozen ready meals** and **soups**, in fact any food that benefits from steaming.



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