

**HEAT SEAL
MACHINERY
& TOOLING**

**UK/Europe
Specification Sheet**

MPE

Commercial tray sealing solutions



www.mpe-uk.com

Heat Seal Machinery & Tooling

Bespoke Tooling Solutions for Tray Sealing Applications

Precision Engineered for Optimal Performance

MPE designs and manufactures high-quality, bespoke tooling for our entire range of i-series tray sealing machines. Our tooling is engineered to the highest standards of precision and durability, ensuring optimal performance and reliability for your production line. Each toolset is custom-designed to your specific tray type, guaranteeing a perfect seal every time.

A complete toolset from MPE consists of three key components:

Base Tool: The foundation of the sealing process, the base tool securely holds the trays in place during the sealing cycle.

Top Tool: The top tool works in conjunction with the base tool to apply heat and pressure, creating a strong and reliable seal.

Transfer Arms: These dual-purpose arms efficiently transfer trays from the infeed conveyor into the base tool and, after sealing, move the finished trays to the outfeed conveyor.

Advanced Tooling Features

Our tooling can be designed with a range of advanced features to meet the specific needs of your product and process.

Gas Flushing (MAP): For products that require Modified Atmosphere Packaging (MAP) to extend shelf life, our tooling can be designed to be gas flush ready. This process injects a specific blend of gases into the tray before sealing, helping to preserve the freshness, colour, and quality of your food products.

Weld Seal: A strong, permanent seal that provides a secure, tamper-evident closure. Ideal for products that require a high level of protection.

Peelable Seal: A user-friendly seal that allows for easy opening of the package without the need for tools. This is a popular choice for convenience-focused products.

Seal and Trim Types

We offer a variety of seal and trim types to suit your packaging requirements.

Standard Trim: A standard trim leaves a small flange of film around the perimeter of the tray.

Inboard Trim: This trim type provides a clean, neat appearance with no film overhang outside the tray perimeter.

Close Cut Trim: For a premium, barely-there look, our close cut trim is cut to within 1mm of the tray perimeter.

Beyond the i-series: Universal Tooling Solutions

While our tooling is designed to integrate seamlessly with our own i-series machinery, our expertise extends far beyond our own brand. We recognize that you may have a diverse range of tray sealing equipment in your facility. That's why we offer our precision engineering and manufacturing services to create bespoke tooling solutions for other leading OEM machinery.

Leverage our deep understanding of tray sealing technology to enhance the performance and versatility of your existing equipment. Whether you need to accommodate a new tray type, improve seal quality, or simply require a reliable, high quality tooling supplier, MPE is your trusted partner.

Machine Layouts & Throughput Capabilities

i3 Series

Machine	Impressions	Seal Only	Gas Flush (PPM)
i3	1	18	12
i3	2	36	24
i3	3	54	36
i3	4	72	48
i3	5	90	60
i3	6	108	72
i3	7	126	84

i5+ Series

Machine	Impressions	Seal Only	Gas Flush (PPM)
i5+	1	20	14
i5+	2	40	28
i5+	3	60	42
i5+	4	80	56

Machine Layouts & Throughput Capabilities

i6 Series

Machine	Impressions	Seal Only	Gas Flush (PPM)
i6	1	20	14
i6	2	40	28
i6	3	60	42
i6	4	80	56
i6	5	100	70
i6	6	120	84

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