

UNIT DOSE FILLING & PACKAGING EQUIPMENT

Compact blister, pouch and monoblock machines, built in New Jersey

Innovation and versatility in unit dose packaging equipment since 2004, for pharmaceutical, medical-device, nutraceutical, laboratory and small-to-medium production applications.



WHO WE ARE

Small-to-medium output unit dose packaging, designed and built in the USA

Founded in 2004, Mactec Packaging Technologies designs, engineers and builds blister packaging machines, pouch and sachet packaging machines, and rotary monoblock filling machines at its headquarters in Sayreville, New Jersey. Tooling changes are designed to be quick, often taking minutes, so several products can run on the same machine.

Package formats

Blister packs Pouches & sachets Tubes Cups
Vials & bottles Transdermal patches

Industries we serve

Pharmaceutical Nutraceutical Medical devices
Cosmetics Life sciences
Hospital & small pharmacies Coffee & single-cup
Food & beverage

Why customers choose Mactec

- **Made in the USA.** Every machine is designed, engineered and built at our New Jersey headquarters.
- **Compact and simple to install.** Standard Mactec machines run on electrical power and compressed air.
- **Quick changeovers.** Tooling changes are designed to be quick, often taking minutes.
- **Proven platforms, or custom engineering.** Start from a blister, pouch or monoblock platform, or have our engineers design a machine for your product.
- **Support after start-up.** Spare parts are stocked in New Jersey and on-site service is a phone call away.

Our machines

Blister packaging

- NanoXL small blister pack machine
- MT150XL blister packaging & sealing machine
- MT Table Top blister machine & sealer

Pouch packaging

- MTVP100 vertical pouch machine
- MTVP200 vertical pouch machine
- MTHP150 horizontal pouch machine

Monoblock filling

- MTMB24 and MTMB60 monoblock fillers
- Single-Cup Sealer

THERMOFORMING OR COLD FORMING · LIQUIDS, POWDERS AND SOLIDS

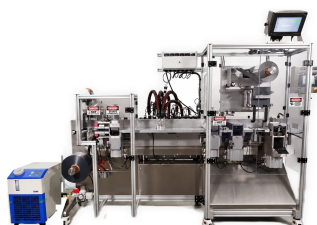
NanoXL Small Blister Pack Machine

A compact Made-in-USA small blister pack machine for laboratory, R&D, clinical, and small production runs with thermoforming or cold-forming capability.

Best for: Laboratory, R&D, clinical, and small-run blister packaging applications.

Machine dimensions	1752 mm × 711 mm × 2121 mm (L × W × H)
Forming area	Approximately 80 mm × 95 mm
Machine speed	5–35 cycles per minute, depending on product characteristics
Electrical requirements	110 VAC at 15 amps
Air consumption	10–12 CFM based on 20 cycles per minute

mactecpackaging.com/machines/nano-xl-blister-packaging-machine/

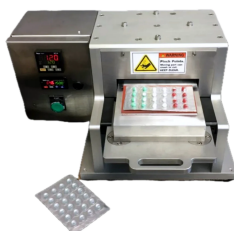

MT150XL Blister Packaging & Sealing Machine

A Made-in-USA midsize blister packaging machine for small-to-medium batch production in pharmaceutical, nutraceutical, cosmetic, and related applications.

Best for: Small-to-medium batch production that needs a compact but robust blister line.

Machine dimensions	4153 mm × 1092.2 mm × 2248 mm (L × W × H)
Forming area	150 mm × 150 mm
Machine speed	5–35 cycles per minute, depending on product characteristics
Electrical requirements	220 VAC, 3 phase at 25 amps
Air consumption	12–16 CFM based on 20 cycles per minute

mactecpackaging.com/machines/mt-150xl-blister-packaging-machine/

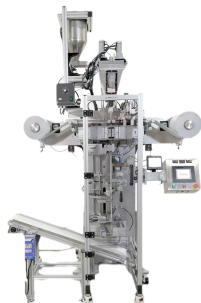

MT Table Top Blister Machine & Sealer

A compact table top blister machine and sealer with digital heat and timer controls plus removable seal-die options for low-volume packaging work.

Best for: Low-volume blister sealing, package development, laboratory work, and manual production.

Machine dimensions	304 mm × 355 mm × 247 mm (L × W × H)
Machine speed	1–10 cycles per minute
Electrical requirements	650 watts, 110 VAC, 50/60 Hz
Air consumption	2–3 CFM

mactecpackaging.com/machines/mt-table-top-blister-sealer/

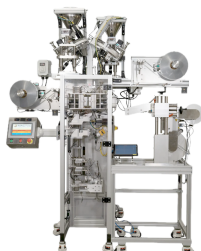
VERTICAL AND HORIZONTAL FORM-FILL-SEAL

MTVP100 Vertical Pouch Packaging Machine

A compact vertical form-fill-seal machine for sachets, sample pouches, and unit-dose packaging of liquids, powders, tablets, and capsules.

Best for: Vertical sachet and unit-dose applications; confirm the pouch format with Mactec

Machine dimensions	1219 mm × 1524 mm × 1828 mm (L × W × H)
Forming area	Approximately 100 mm × 160 mm
Machine speed	10–35 cycles per minute, depending on product and automation
Electrical requirements	110 VAC at 15 amps
Air consumption	12–16 CFM based on 20 cycles per minute

mactecpackaging.com/machines/mtvp160-vertical-pouch-packaging-machine/

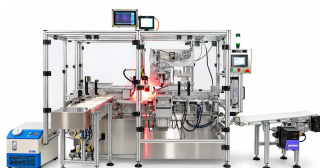

MTVP200 Vertical Pouch Packaging Machine

A larger-format vertical form-fill-seal machine for sachets and unit-dose pouches that need additional web width or lane capacity.

Best for: Larger pouch formats and multi-lane production requiring up to approximately 200 mm web width.

Machine dimensions	1219 mm × 1524 mm × 1828 mm (L × W × H)
Forming area	Approximately 140 mm × 200 mm
Machine speed	10–35 cycles per minute, depending on product and automation
Electrical requirements	110 VAC at 15 amps
Air consumption	12–16 CFM based on 20 cycles per minute

mactecpackaging.com/machines/mtvp200-vertical-pouch-packaging-machine/


MTHP150 Horizontal Pouch Packaging Machine

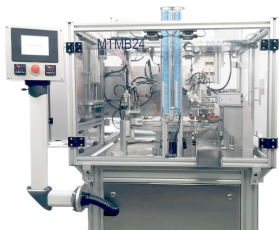
A horizontal form-fill-seal pouch machine for transdermal patches, medical devices, edibles, powders, and other products requiring placement or pick-and-place options.

Best for: Flat or placed products that benefit from horizontal feeding and optional pick-and-place automation.

Machine dimensions	2438 mm × 711 mm × 1981 mm (L × W × H)
Forming area	Approximately 120 mm × 160 mm
Machine speed	10–30 cycles per minute, depending on product characteristics
Electrical requirements	110 VAC at 15 amps
Air consumption	12–16 CFM based on 20 cycles per minute

mactecpackaging.com/machines/mthp150-horizontal-pouch-packaging-machine/

FILL, SEAL, CAP OR CRIMP RIGID CONTAINERS



MTMB24 Monoblock Filler

A compact rotary filling and sealing monoblock for cups, tubes, vials, and small bottles with liquid or dry-product configurations.

Best for: Compact rotary filling, sealing, capping, or crimping of small rigid containers.

Machine footprint	914 mm square frame
Turret diameter	813 mm
Machine speed	10–15 cycles per minute, depending on product size and fill
Electrical requirements	110 VAC at 10 amps
Air consumption	8–14 CFM based on 20 cycles per minute

mactecpackaging.com/machines/mtmb-24-monoblock-filler/



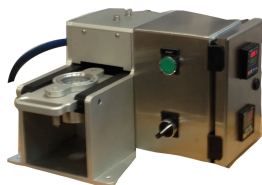
MTMB60 Monoblock Filler

A larger rotary monoblock for cup, tube, vial, bottle, and single-cup applications with multiple operations around one indexed platform.

Best for: Larger rigid-container and multi-station filling and sealing applications.

Machine footprint	72-inch square frame
Cup configuration	Four cups per index
Machine speed	15–25 cycles per minute, depending on product size and fill
Electrical requirements	220 VAC at 40 amps
Air consumption	20–30 CFM

mactecpackaging.com/machines/mtmb-60-monoblock-filler/



Single-Cup Sealer

A compact sealer designed for single-cup coffee and tea formats, including configurations that place a filter before filling and sealing.

Best for: Coffee and tea producers developing or producing compatible single-cup formats.

Configured per application; specifications confirmed in Mactec's proposal.

mactecpackaging.com/machines/single-cup-sealer/

Services

- **Tooling.** Custom tooling lets you run a different product format on the machine you already own.
- **Packaging design & development.** Help choosing the best package for a new product.
- **Custom machine engineering.** Customize a Mactec platform, or have our engineers design a machine for your product.
- **Integration.** Machines integrate with robotics and equipment you already use, such as a cartoner.
- **Retrofitting.** New tooling when your product or package changes.
- **Installation & validation.** On-site installation and validation, validation documentation support including IQ/OQ protocol support, and operator and maintenance training.
- **Parts & service.** Spare parts stocked in New Jersey; on-site service is a phone call away.

How a Mactec project works

- 1 **Tell us what you need to package.** Product, package idea, current process and output goal. We can sign a confidentiality agreement first.
- 2 **Samples and feasibility review.** Our engineers review your drawings and samples and, where practical, run them on a Mactec machine.
- 3 **Budgetary proposal** separating the base machine from options such as feeders, printers, inspection, tooling and change parts.
- 4 **Final configuration and quotation** with the delivery schedule for your configuration.
- 5 **Build and factory acceptance testing** at our New Jersey headquarters, which you can witness.
- 6 **Installation, validation and training** on site.
- 7 **Support after start-up:** parts, service and tooling for new products or formats.

Start a project

Send your product and package drawings, samples if you have them, target output and timeline. Request an equipment quote at mactecpackaging.com, call **732.416.8525** or email sales@mactecpackaging.com.

Specifications are application-dependent and must be confirmed in Mactec's proposal. Output depends on the product, package and selected configuration. September 2026.