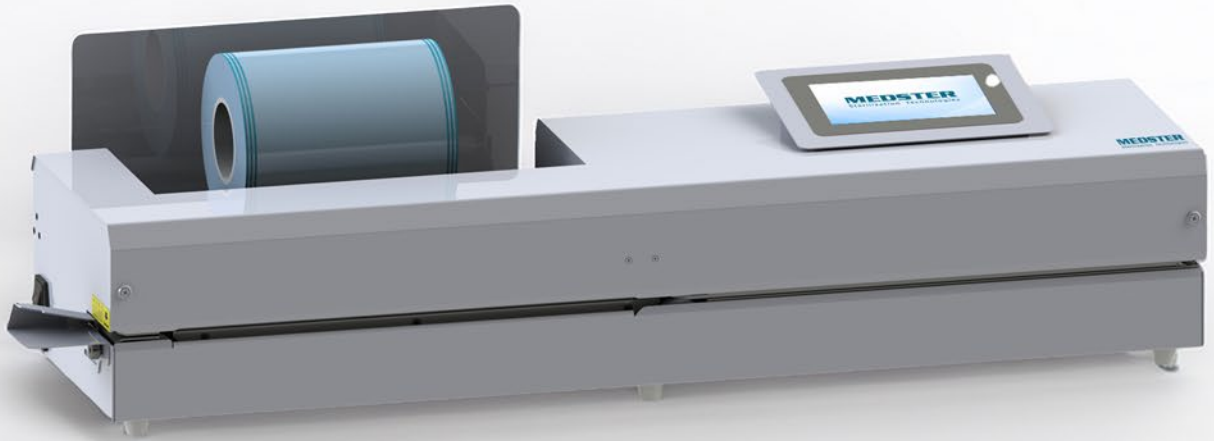# MEDSTER
Sterilization Technologies

CUTTING & SEALING SYSTEMS

We are proud to introduce our latest range of innovative Medster® cutting and sealing machines, designed to meet the demanding needs of medical sterilization processes.

Engineered for precision, efficiency, and safety, our devices offer smart automation, advanced control systems, and versatile compatibility with a wide range of sterilization pouches and reels, including our SafeCheck™ products. From compact sealers for daily operations to fully automated cutting and sealing systems with integrated printing capabilities, our solutions ensure consistent performance and compliance with international standards.

Featuring intelligent temperature regulation, real-time monitoring, automatic fault detection, and customizable sealing parameters, these devices are built to optimize your workflow and enhance operational reliability. Whether you're sealing paper-plastic pouches or handling complex packaging requirements with variable sizes, our cutting-edge machines deliver outstanding results every time.
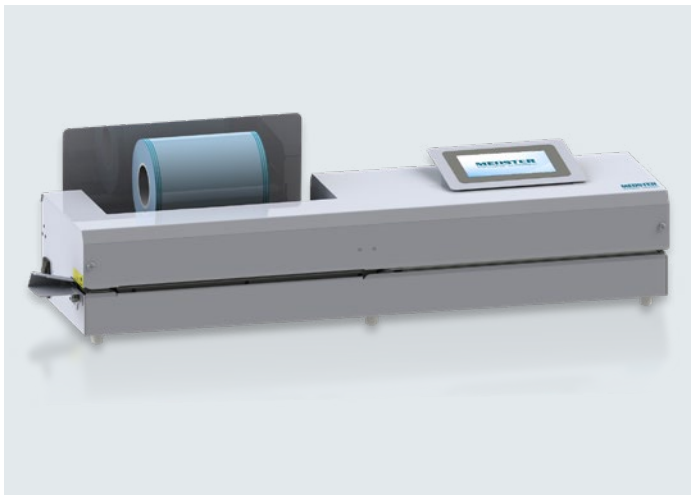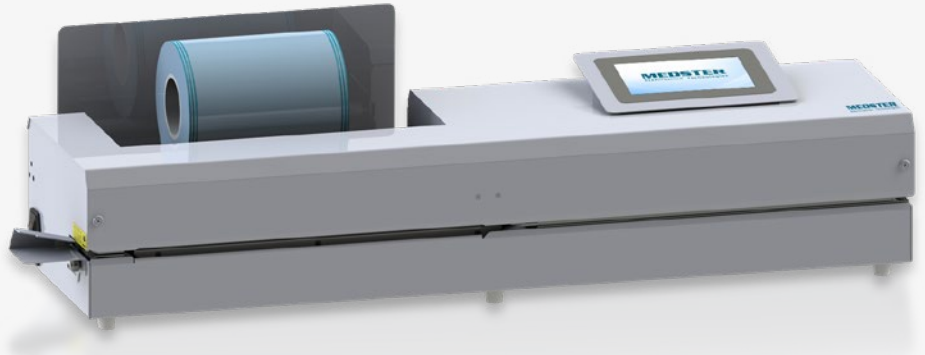
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www.medster.com.tr

AUTOMATIC CUTTING & SEALING MACHINES

CUTTING & SEALING SYSTEMS

Code: MKKC-200   **Code**: MKKC-300 (Without Printer)

Name: Automatic Cutting & Sealing Machine with Printer

Dimensions L*W*H: 1092×280×230 mm   **Weight**: 40Kg

Smart Touchscreen Control: Equipped with a 7-inch colour LCD touchscreen that allows setting and automatic storage of cutting, sealing, and printing parameters. Built-in clock and graphical interface for intuitive operation.

Full Automation & Multi-functionality: Performs automatic feeding, cutting, sealing, and printing with just length and quantity input. Supports independent or combined use of cutting, sealing, and printing functions, enabling high efficiency.

Advanced Cutting Capabilities: Supports cutting of single or multiple rolls (even with different widths) with high precision. Cutting margin and sealing edge distance are adjustable to maximize material usage and minimize waste.

Intelligent Sealing Control: Floating constant pressure structure with automatic sealing pressure adjustment. Supports sealing of various bag types and thicknesses. Automatically stops if sealing temperature deviates by ±4°C from the set range.

Fast Heating & Cooling: Reaches 180°C in 60 seconds from room temperature; transitions from 120°C to 180°C in just 10 seconds. Includes microcomputer-controlled cooling to improve efficiency when switching between temperatures.

Intelligent Printing System: Built-in dot-matrix printer supports printing sterilization info (date, expiry, batch, operator, department, etc.) with auto date adjustment. Offers 3 font widths and symbol printing to optimize for narrow bags

Bag Detection & Printing Width Alerts: System calculates and alerts minimum required bag width based on selected print content. One-click print disable or item-wise selective printing is available for quick switching.

Real-Time Monitoring & Fault Detection: Displays speed, pressure, temperature, and test time in real time. Includes auto fault detection and alarms for errors during operation or abnormal pressure levels.

High-Speed & Standard Compliant Sealing: Sealing and cutting speed of 10 m/min, 12 mm sealing width.

Energy-Saving & Expandable: Adjustable standby time/temp with quick wake-up. Compatible with optional accessories like ultra-quiet roller tables, multifunction workstations, and barcode scanners to improve usability and efficiency.

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CUTTING & SEALING
MACHINES

CUTTING & SEALING SYSTEMS

Code: MYKC-100

Name: Sealing Machine with Printer

Dimensions L*W*H: 560×230×200 mm   **Weight**: 17Kg

Advanced Interface: 7-inch full-colour LCD touchscreen with graphical UI, built-in clock, and automatic parameter storage.

Customizable Printing: Allows printing of sterilization date, expiry date, lot number, operator, item name, and more via the built-in dot matrix printer.

Accurate Temperature Control: Smart microcomputer-controlled range from 60°C to 220°C with ≤1% deviation for stable performance.

Rapid Heating & Cooling: Reaches 180°C in 40 seconds; includes intelligent cooling system to switch quickly between high and low-temperature sealing.

Safety Features: Auto shutdown if temperature deviates ±4°C from the set point, ensuring sealing quality and operator safety.

High Efficiency: Sealing speed of 10 m/min with automatic seal and print detection via light-control technology.

Versatile Sealing Design: 12 mm seal width, 0–35 mm adjustable margin, and constant-pressure system suitable for various pouch thicknesses including 3D and flat bags.

Flexible Printing Capabilities: Offers 3 font widths, special character printing, adjustable expiry calculation, selective print on/off per item.

Smart Printing Width Detection: Automatically calculates the required paper width based on input content and alerts if the pouch is too narrow before sealing.

Energy-Saving Mode: Adjustable standby time and temperature with fast recovery, plus long-life flat heating elements for durability and efficiency.

Code: MKC-400

Name: Sealing Machine (Without Printer)

Dimensions L*W*H: 440×230×160 mm   **Weight**: 11Kg

User Interface: Equipped with a 2-line bright LED display and light-touch keyboard for easy operation.

Precise Temperature Control: Microcomputer-controlled range from 60°C to 220°C with ≤1% accuracy.

Fast Heating: Heats from room temperature to 180°C in 40 seconds; from 120°C to 180°C in 10 seconds.

Safety Mechanism: Auto pause activates if the temperature deviates ±4°C from the set value.

Sealing Speed & Detection: 10 m/min sealing speed with automatic seal detection via light-control technology.

Strong Seal Quality: 12 mm sealing width ensures secure adhesion with sterilization reels.

Adjustable Seal Margin: Seal margin adjustable from 0 to 35 mm.

Versatile Compatibility: Works with paper-plastic, 3D paper-plastic, and paper-paper sterilization pouches.

Auto Fault Detection: Built-in fault detection and alarm system for safe operation.

MEDSTER

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