

SUPERIOR CAPPER FEATURES

SCREW CAP RECAPPERS

Technical support available

Caps, decaps or recaps 96-48-24 Screw Cap tubes at once in less than 30 seconds

Easy-to-use graphical touch screen interface

Models available for Micronic 96- (Standard and Low Profile), 48- and 24-format Screw Caps, as well as caps from other brands

Extremely durable design for reliable operation

No adapters required

Cost-effective solution to cap, decap or recap a row of 8-6-4 tubes at once

Caps a row of 8-6-4 tubes in 5 seconds and a whole rack of 96 tubes within 1 minute

Each Screw Cap is tightened securely and uniformly

PUSH CAP (DE)CAPPERS

Remote control via RS232

No adapters required

Works on full and partially-full racks

Models available for tubes up to 1.40ml and tubes up to 2.00ml

Decaps 96 tubes in 8 seconds

User-friendly interface

Works with tube sizes up to 1.40ml

Operates without any buttons

Controlled pressure system for an evenly capping result

Caps an entire rack of 96 tubes in an average of 7 seconds (depends on the tube height)

ADDITIONAL SERVICES



Compatibility with automation and robotics

The Push Cap (De)Cappers and Screw Cap Recappers can be integrated into automated systems and robotics. If you require technical assistance during installation, please contact us.

Compatibility with other brands

The Push Cap (De)Cappers and Screw Cap Recappers are compatible with other brands of tubes, caps and racks. Please contact us for more information.

CAPPER OVERVIEW & SPECIFICATIONS

Automated Cappers and Decappers	Screw Cap Recapper CS500	Screw Cap Recapper CS510/520	Screw Cap Recapper CS700	Screw Cap Recapper CS710/720	Electric Capper CP480	Electric Capper CP860	Electric Decapper DC480
Basic Features							
Equipment type	Recapper	Recapper	Recapper	Recapper	Capper	Capper	Decapper
Push or Screw Caps	Screw Caps	Screw Caps	Screw Caps	Screw Caps	Push Caps	Push Caps	Push Caps
Rack compatibility	96-well	48/24-well	96-well	48/24-well	96-well	96-well	96-well
Tube compatibility	Up to 2.00ml	Up to 6.00ml	Up to 1.40ml	Up to 6.00ml	Up to 1.40ml	Up to 2.00ml	Up to 1.40ml
Cycle time (whole rack)*	60 seconds	45 seconds	30 seconds	30 seconds	7 seconds	7 seconds	8 seconds
Dimensions (mm)	178 x 161 x 710	178 x 161 x 710	590 x 251 x 460	590 x 251 x 460	312 x 209 x 286	312 x 209 x 324	531 x 258 x 366
Weight	5.5kg	5.5kg	38kg	38kg	14kg	16kg	25kg
Adapters required	No	No	No	No	No	No	No
Voltage	115-230V	115-230V	115-230V	115-230V	115-230V	115-230V	115-230V
Warranty	3 years	3 years	3 years	3 years	3 years	3 years	3 years

* The cycle time can vary depending on the tube type used.

TECH NOTE - REPETITIVE OPENING AND CLOSING OF TUBES

The process of capping and decapping tubes at laboratories might seem harmless. However, when dealing with very small sample volumes, the repetitive opening and closing of tubes without loss of sealing performances is highly important.

The Micronic Technology Center evaluated the durability of Micronic 1.40ml Screw Cap and Push Cap tubes in combination with Micronic Screw Caps and TPE Push Caps. Durability tests were performed by opening and closing the tubes up to 100 times manually and electrically.

The Tech Note "Durability of Sample Storage Products" explains the results of the tests and demonstrates the excellent durability of Micronic tubes and caps after extensive capping and decapping, which guarantees the reliability of Micronic products in any lab situation.



CAPPING & DECAPPING RANGE

Manual and Automated Equipment

MANUAL CAPPING & DECAPPING SYSTEMS

Micronic offers a range of products to make manual capping and decapping more efficient. For the manual decapping of individual Screw Caps, there are two options available. The Screw Cap Remover secures a quick and easy removal (one-turn) of single Screw Caps in 96-well format, where the Low Profile Screw Cap Remover operates the same for Low Profile Screw Caps in 96-format.

For the decapping of Push Caps, the Micronic Manual Push Cap Decappers are developed. The range includes the Manual Decapper-1, which is made of high quality plastic, and designed to remove a single Push Cap. The Manual Decapper-8 is also made of high quality plastic and removes Push Caps in a row of eight. The Manual Decapper-8 Aluminium removes individual Push Caps in a row of eight from frozen tubes. All manual decappers provide a convenient and fast removal of the TPE Push Caps.

The Manual Capper CM480 can apply uniform pressure to Push Caps in an entire 96 tubes rack in only a single action. This device is able to seal full racks or partially full racks with the complete range of Micronic TPE or EVA style Capmats, Capbands and Capclusters. The Capper is also compatible with other brands of storage tubes and racks. To ensure optimum results an adapter matched to your specific rack type and tube height is supplied.

AUTOMATED CAPPING & DECAPPING SYSTEMS

To accelerate the capping and decapping process even more, the Micronic Electric (De)Capping Equipment is a perfect solution. Developed in conjunction with several leading laboratories, the Screw Cap Recappers CS500, CS510 and CS520 offer the ability to cap, decap or recap a row of tubes in less than 5 seconds and a whole rack in only 1 minute. This is 10 times faster than by hand and improves productivity. The automated Screw Cap Recappers CS700, CS710 and CS720 are “must-have” equipment for higher throughput users. The devices are user-friendly and extremely durable and reliable and cap entire racks in 30 seconds.

The Electric Push Cap Cappers CP480 and CP860 are designed to meet the special requirements of our customers and are compatible with the following caps: TPE Capmats, Capbands, Capclusters and EVA Capmats. The Electric Cappers seal an entire rack of 96 tubes within 12 seconds and have a guaranteed evenly capping result.

With the ever-growing demand for higher sample throughput in many laboratories, the Electric Decapper DC480 enables significant productivity gains to be made in the opening of multiple sample storage tubes capped with Push Caps. The DC480 is able to decap 96 tubes in 8 seconds. Through a friendly user interface you can choose the right rack to decap, without using different adapters.

IN-HOUSE ASSEMBLY & EXCEPTIONAL SERVICE

The Micronic Capping & Decapping equipment is designed and assembled in-house at our Equipment Assembly Centers located in the Netherlands and the United States. Our well-trained personnel also provides service on the equipment. These services range from annual maintenance, installation support and customization, to repairs.

High-level service is of paramount importance at Micronic. By assembling equipment in-house, Micronic's equipment assembly personnel and engineers have the first-hand knowledge and skills necessary to perform services quickly and smoothly.

At Micronic, we are committed to offer top-of-the-line products, delivering exceptional quality, reliability and durability. Above all, we stand behind our solutions, and are confident that you will too. Micronic warrants that its products are of satisfactory quality and conform to applicable EU legislation. If the product turns out to be defective, Micronic will arrange to repair or replace the product during the warranty period. The warranty period begins on the day of Micronic's invoice of the original product and ends after 3 years for (De)Capping equipment. Micronic offers an industry leading warranty of 3 years, because we can!



Manual Screw Cap Removers

MP54004 (Screw Caps) & MP54006 (Low Profile Screw Caps)



- For Screw Caps
- 96-well format compatible
- Light weight
- 40 x 7 mm (Screw Caps)
85 x 23 mm (Low Profile)

Manual Push Cap Decappers

MP54000 (-1), MP54001 (-8) & MP65010 (-8 Aluminium)



- For Push Caps
- 96-well format compatible
- Light weight
- 57 x 50 x 11 mm (-1)
90 x 72 x 11 mm (-8)

Univo Manual Capper CM480

MP35050



- For Push Caps
- 96-well format compatible
- 7 Kg / 15 lbs
- Adapters required
- 262 x 185 x 164 mm

Screw Cap Recapper CS500

MP35420



- For Screw Caps
- 96-well format compatible
- Cycle time: 5 sec./8 tubes
- 5.5 Kg / 12.0 lbs
- 115 - 230 Volt
- No adapters required
- 178 x 161 x 710 mm

Screw Cap Recapper CS510/CS520

MP35441 & MP35446



- For Screw Caps
- 24/48-well format compatible
- Cycle time: 5 sec./4 or 6 tubes
- 5.5 Kg / 12.0 lbs
- 115 - 230 Volt
- No adapters required
- 178 x 161 x 710 mm

Screw Cap Recapper CS700

MP35450



- For Screw Caps
- 96-well format compatible
- Cycle time: 30 sec./1 rack
- 38 Kg / 84 lbs
- 115 - 230 Volt
- No adapters required
- 590 x 251 x 460 mm

Screw Cap Recapper CS710/720

MP35470 & MP35475



- For Screw Caps
- 24/48-well format compatible
- Cycle time: 30 sec./1 rack
- 38 Kg / 84 lbs
- 115 - 230 Volt
- No adapters required
- 590 x 251 x 460 mm

Univo Electric Capper CP480/CP860

MP35020 & MP35021



- For Push Caps
- 96-well format compatible
- Cycle time: 7 sec./1 rack
- 14 & 16 Kg / 31 & 35 lbs
- 115 - 230 Volt
- No adapters required
- 312 x 209 x 286 & 324 mm

Univo Electric Decapper DC480

MP35000



- For Push Caps
- 96-well format compatible
- Cycle time: 8 sec./1 rack
- 25 Kg / 55 lbs
- 115 - 230 Volt
- No adapters required
- 135 x 40 x 29 mm