

## 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 10 seconds

Works with tube sizes up to 1.40ml

User-friendly interface

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	Push Cap Capper CP600	Push Cap Capper CP610	Push Cap Decapper CP620
<b>Basic Features</b>							
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	10 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	1 year	1 year	1 year	1 year	1 year	1 year	1 year

\*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.

**MICRONIC** INNOVATION IN SAMPLE STORAGE

TECHNOTE

**DURABILITY OF SAMPLE STORAGE PRODUCTS**

Repetitive opening and closing of tubes

SERVING SCIENTISTS SINCE 1984

CONTINUOUS INNOVATION IN SAMPLE HANDLING EQUIPMENT

ASSEMBLED IN THE NETHERLANDS AND THE UNITED STATES

# 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 (de)capping of Screw Caps, there are several options available. The Screw Cap Recappers offer a quick and reliable solution to seal Screw Caps Tubes in 96-, 48- and 24-well format. The Screw Cap Recapper CS100 is set to a precise torque value and stops turning when the perfect seal is established.

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 Push Cap Capper CP400 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 proces even more, the Micronic (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 Micronic Push Cap Cappers CP600 and CP610 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 Micronic Cappers seal an entire rack of 96 tubes within approximately 7 seconds and have a guaranteed evenly capping result.

With the ever-growing demand for higher sample throughput in many laboratories, the Micronic Cap Decapper CP620 enables significant productivity gains to be made in the opening of multiple sample storage tubes capped with Push Caps. The CP620 is able to decap 96 tubes in 10 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. We have well-trained personnel on hand to provide service on 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 1 year for (De)Capping equipment. Additionally, we offer calibration services for Micronic Screw Cap Recappers. The service ensures that the Recappers are set to a precise torque value for an optimal sealing performance.



#### 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)

#### Push Cap Capper CP400

MP35050



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

#### Screw Cap Recapper CS100/10/20

MP35480, MP35490 & MP35492



- For Screw Caps
- 24/48/96-well format compatible
- Light weight
- 130 x 19 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

#### Micronic Push Cap Capper CP600/CP610

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

#### Micronic Push Cap Decapper CP620

MP35000



- For Push Caps
- 96-well format compatible
- Cycle time: 10 sec./1 rack
- 25 Kg / 55 lbs
- 115 - 230 Volt
- No adapters required
- 531 x 258 x 366 mm