Operating Instructions For The Xcm-CapIt Semi-automatic Microtube and Microplate Capper

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©FluidX Ltd.

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1. GENERAL WARNINGS

Please read and understand this manual and pay close attention to minimizing any risks.

- Do read and understand this manual before operating the machine.

- This machine is specifically designed to apply caps of the following type:

  - TPE Capmat ™
  - TPE Capcluster ™
  - SepraSeal ®

  To the following racks:

  - Loborack ™
  - Comorack ™
  - Roborack ™
  - Staborack ™
  - TrackMate ®

  All manufactured by Micronic BV™ and Matrix Technologies Corp.™

- This machine is not to be altered or used to any purpose other than the above mentioned.

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2. OPERATING PRINCIPLE

This machine, referred to as the "Capper", is designed to apply caps on tubes in a rack. Both caps and tubes are produced by Micronic B.V.™ and Matrix Technologies Inc. ™

- The machine is to be supplied with compressed air as the sole source of energy.
- A rack is placed in the drawer and a capmat is loosely fitted on top of it. Note that it is essential that the caps are placed directly on top of the respective tubes.
- The drawer is pushed in.
- A press on the button will bring the pressure plate down where it stays for a predetermined time of approx. 3-5 sec.
- When the time has elapsed the pressure plate returns itself automatically and the drawer can be opened which and the rack can be retrieved.

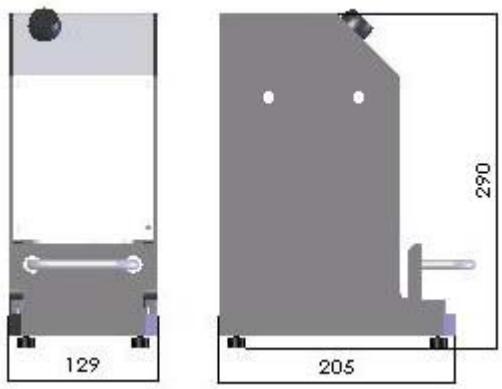
3. LIMITATIONS ON MACHINE USE

The Capper is designed specifically for use of the above mentioned kind. The Capper is not to be used for any other purpose.

4. SPECIFICATIONS

Compressed air (clean and dry): Min. 6.5 bar – Max. 8 bar

Level of noise emission: < 70 dB(A



5. INSTALLATION

Installation

The Capper is fitted with 4 rubber feet and is to placed on an even surface capable of carrying the weight of the Capper.

Reduction of noise emission

The machine does not create a significant level of noise and so limitation of noise emission is not required.

6. DIRECTIONS FOR USE

Before using the machine

- The machine is to be supplied with compressed air by means of flexible tubing with an outer diameter of 4 mm.
- The machine is ready for use.

During use of the machine

- Do not pull the drawer out before the machine has come to a complete stop.
- Do not operate the machine with the drawer open.
- Do not try to probe the pressure plate with hands or fingers through the drawer.
- In case any malfunction appears it is essential that the Capper is repaired before the unit is put into service.

Common failure modes:

Failure:	The Capper fails to operate.
Cause:	Compressed air is not supplied.
Action:	Check the supply of clean, dry, compressed air with the specified pressure.
Failure:	Capmats are not properly pressed down into the tubes.
Cause:	The air pressure is not sufficient.
Action:	Check that the input pressure lies within the specifications.

Adjustments

No adjustments are necessary during the use of the machine. If the down time of the pressure plate needs to be adjusted, this can be done by adjusting the timing valve, hidden under the hood. If in doubt please discuss with the manufacturer.

7. MAINTENANCE

Daily maintenance

Inspect the Capper for any defects and repair these before putting the Capper into service.

Maintenance

The components which form the moving parts of the system are lubricated for the entire service life. Except for cleaning the Capper requires no regular maintenance.

Repair

In case the Capper is in need of repair please consult with the dealer of manufacturer.
The replacement of parts can be done to the necessary extent provided that the new component corresponds to the old. Please refer to the enclosed parts list.

EC Declaration of Conformity

We

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Herewith declares that the product

Capper
Serial Nos. 100-03-001 through 100-03-999

- Is in conformity with the provisions of the Machinery Directive (Directive 98/37/EC), and with national implementing legislation.
- Is in conformity with the provisions of the following other EC Directives:
  87/404/EC

Copenhagen, 2nd of September 2005

Stig Christensen,

B. Sc. Mech.