

Microcapper MCF-13

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The patented **Microcapper MCF-13** automates the attaching of screw caps on micro-tubes. It increases lab productivity, occupational health & safety and process integrity.

Consistent tightening of the caps is ensured to prevent leakage during transportation. The MCF-13 reduces operator's hand fatigue and relieves the tedious task of hand capping. It is known that hazards such as carpal tunnel syndrome can result from the repetitive strain of manually tightening screw caps, making even semi-automated mechanical capping important.

Designed for capping of screw caps on micro-tubes typically used in laboratories for the preparation and processing of samples and reagents, the MCF-13 can be customised for various cap, vial and tube sizes. The bench top device is compact, a footprint of less than half A4, and portable.

The product is user friendly and can be operated with minimum training. Caps for the micro-tubes are poured into a feeder. Capping is done by inserting a micro-tube into tube-holder, and pushing it up to capping position and lowering again with attached cap.



Workflow

- Operator inserts the tube in a holder and moves it up with tube holder.
- Capping torque can be adjusted to requirements between 10 to 25 Ncm.
- Caps are poured into an auto-feeder at the top of the machine. As the caps are consumed, the auto-feeder will top up caps to the capping station automatically.
- Device is operated simply by an ON/OFF power switch. When idling, it goes into stand-by mode.
- Counter shows the number of tubes capped, resettable by a reset button.

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Performance

- Capping can be done in a continuous fashion. Capping speed approximately 3 seconds limited by operator skill.
- Noise level is less than 70 db at 1 meter.
- Requires little to no maintenance.



Features

- Cap feeder
- Cap counter

Specifications

- Micro-tube cap size of 13x6 mm (others on request)
- Size: 365mm (L) x 220mm (W) x 490mm (H)
- Capping torque 6 to 25 Ncm, adjusted to your requirement.
- Weight: 8.8 kgs
- Power supply: User selectable 115V or 230V AC
- Power rating: 250W max
- Capping throughput 20 caps/minute

