

Microcapper MCF-13A

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

Consistent tightening of the caps is ensured to prevent leakage during transportation. The MCF-13A 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 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-13A can be set up for various cap, vial and tube sizes. The bench top device is compact with a footprint of less than half an A4 paper, and portable.

The product is user friendly and can be operated with minimal training. Caps for the micro-tubes are poured into a feeder. Capping is done by inserting a micro-tube into tube-holder, and pushing a button.



Workflow

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

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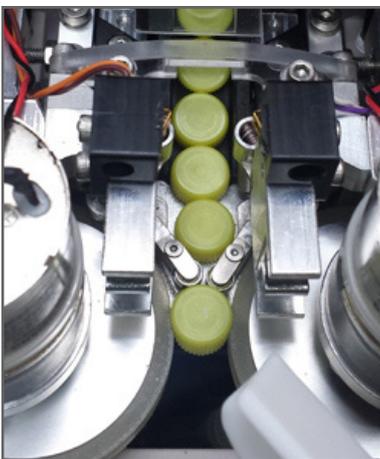
Performance

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



Features

- Cap feeder
- Cap counter
- Automatic lifter



Specifications

- Micro-tube cap size of 13x6 mm (others on request)
- Capping throughput 20 caps/minute
- Capping torque 6 to 25 N-cm, adjusted to your requirement
- Size: 365mm (L) x 220mm (W) x 490mm (H)
- Weight: 11 kg
- Power supply: User selectable 115V or 230V AC
- Power rating: 250W max