

Microcapper MCD-13

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The **Microcapper MCD-13** helps attaching screw caps on microtubes. It improves occupational health & safety and process integrity.

Consistent tightening of the caps is ensured to prevent leakage during transportation. The MCD-13 reduces operator's hand fatigue. 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 microtubes typically used in laboratories for the preparation and processing of samples and reagents, the MCD-13 works for various cap, vial and tube sizes. The bench top device is compact, a footprint of less than half an A4 paper, and portable.

The product is user friendly and can be operated with minimum training. Caps are manually placed on each tube, before loading onto holder and pushing in for capping. A de-capping function is also provided.



Workflow

- Capping and de-capping of 13 mm screw caps onto standard micro-tubes typically used in laboratories. Customizable to other tube, vial and cap types.
- Operator inserts a tube with cap engaged into holder and pushes the holder into capping position. The tube will be instantly capped or de-capped.
- Capping torque can be adjusted based on customer requirements between 10 to 25 Ncm.
- The device is operated simply by an ON/OFF power switch and reverse switch for de-capping



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Performance

- Device is ready for capping when the power switch is ON.
- Mode can be switched between capping and de-capping.
- Capping interval is approximately 3 seconds, limited by the operator.
- The noise level is less than 70 db at 1 meter.
- The device requires little to no maintenance.



Features

- Capping and De-capping

Specifications

- Micro-tube cap size of 13 mm diameter (others on request)
- Capping throughput 20 caps/minuteSize: 227mm (L) x 144mm (W) x 405mm (H)
- Capping torque 6 to 25 Ncm, user adjustable
- Size: 227mm (L) x 144mm (W) x 405mm (H)
- Weight: 5 kg
- Power Supply: User selectable 115V or 230V AC
- Power Rating: 250W max