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>>> KJMC-I Decapper for Vacuum Blood Collection Tubes

Features:

◎ It would be simpler and more convenient by using the automatic machine to reduce medical staff's labor intensity and improve the work efficiency.
◎ Effectively avoid being infected by skin scratch when the staff open the cap of cracked glass tube by hand.
◎ Due to the negative pressure inside the tube, too much force during the cap opening will cause blood spatter. The machine successfully solves the danger of cross infection and avoid the trouble of frequent hand washing.
◎ Radically preclude the danger of potential biological contamination caused by residual aerosol inside the tube during manual operation.
◎ Technicians can expect a throughput of approximately 60 tubes per minute and free their time to tackle more productive activities.

KJMC-I

Technical Data:

Voltage:	AC 220V±10% (50/60Hz)
Power rating:	45W
Speed:	60pcs/min
Carousel capacity:	24 tubes
Carousel siizes:	Ø13×75mm (Included), Ø13×100mm (Included)
	Ø16×100mm (Optional)
External dimension:	420×250×200mm

Optional Carousels:

For Ø16×100mm vacuum tube

For Ø13×100mm vacuum tube

For Ø13×75mm vacuum tube

>>> KJMC-II
Automatic Capping and Decapping Machine

Features:

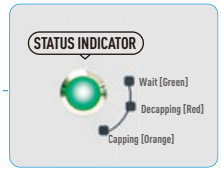
◎ The KJMC-II automatic capping and decapping machine adopts a stepper motor servo control system, capable of precisely controlling the torque and angle of rotation. Specifically designed for sampling tube capping and decapping, it is suitable for use in hospitals, disease control centers, customs, and other environments. The machine effectively reduces the risk of cross-infection among laboratory personnel, alleviates workload, and improves testing efficiency.
◎ **Efficient and quick:** Automatically senses the presence of tubes, allowing for one-handed operation and completing the capping and decapping action in 3 seconds.
◎ **User-friendly design:** Freely switch between automatic and manual control modes, with three selectable operating modes to accommodate various work habits and environments.
◎ **Safety and stability:** Utilizes a 24V DC input and advanced servo control design to eliminate electric leakage or unintended shutdown caused by liquid leakage.
◎ **Quiet and portable:** Compact dimensions of 250×140×370mm make it suitable for various types of applications.
◎ **Wide Applicability:** Multiple clamp heads available, compatible with screw-capped tubes ranging from 12mm to 35mm in diameter.

Technical Data:

Input Voltage:	AC100-240V (50/60Hz)
Operating Mode:	①Continuous decapping ②Continuous capping ③Decapping and capping
Operation mode:	Automatic or Manual
Decapping speed:	⩽2 seconds/pc
Capping speed:	⩽2 seconds/pc
Applicable Tube Diameter:	Ø12-35mm
Dimensions:	250×140×370 mm
Net weight:	6.5kg

KJMC-II

Three types of action design, capable of continuous execution: decapping, capping, or both decapping and capping.



The machine's operational states are indicated by tri-color LEDs, offering operators clear and immediate insight.

Compatible with various cap diameters and can be upgraded with different chucks as needed, suitable for a wide range of applications.

In manual mode, the device employs a foot pedal for momentary switching between capping and decapping actions

In automatic mode, the system automatically senses and identifies tube placement for more smooth operation.

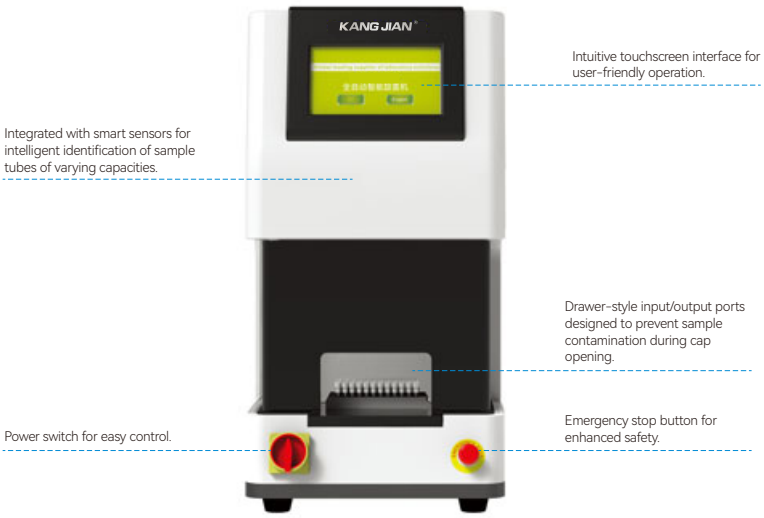
>>> KJMC-V Automatic 96-channel Capper/Decapper

Overview & Features:

The KJMC-V automatic Capper/Decapper is designed for decapping and capping on full racks of SBS cryovials. It is applicable in areas such as biological research, new pharmaceuticals development, biobanking, assisted reproductive technology, conservation of flora and fauna, stem cell and regenerative medicine, and immunocellular therapy, particularly in environments where there is a substantial need for sample handling. The device incorporates advanced Internet of Things (IoT) principles, enabling connectivity with various types of automated production lines and providing remote maintenance services. It aims to offer an automated, standardized, controllable, user-friendly, and reliable operation, reducing the workload of staff, enhancing everyday work efficiency, and lowering the uncontrollable risks associated with fatigue and repetitive tasks. It is an ideal complementary product for all kinds of biological specimen banks and research institutions.

- **Efficient and Fast**: The entire process of decapping and capping takes less than 20 seconds, minimizing the risk of sample exposure and enhancing work efficiency.
- **Controllable Torque**: Uniform torque distribution settings are used, reducing the uncertainty associated with manual cap opening and closing.
- **Modular Design**: This device is adaptable to various brands of cryotubes available in the market by replacing with customized screwdriver heads.
- **Compact Size**: Suitable for multiple application scenarios.
- **Easy Operation**: Equipped with a touchscreen for control and display of the working process, making the operation more intuitive and controllable.
- **Real-Time Alarm Function**: Features data management and alarm systems to reduce sample damage due to human error.
- **Integration Capability**: Can be integrated into automated systems based on specific application needs.

KJMC-V



Technical Data:

Compatible Tube:	SBS standard 96-well cryovials
Decapping Time:	<10s
Capping Time:	<10s
Decapping Torque:	9.5 N/cm
Capping Torque:	5.5 N/cm
Operation Mode:	Touch control input
Positioning Accuracy:	±0.05mm
Power Input:	200W
Input Voltage:	AC100-240V (50/60Hz)
Communication Interface:	RS232
Baud Rate:	115200
Parity:	8n1
Operating Temperature:	5-40 ℃
Permissible Relative Humidity:	80%
Enclosure Protection Rating:	IP30
Transportation and Storage Temperature:	5-50 ℃
Dimensions:	400×230×380mm
Net Weight:	15Kg
Alert Functions:	Error alerts, operation guidance, equipment status notifications

Capper and Decapper

>>> KJMC-III 6-Channel Electric Decapper
KJMC-IV 8-Channel Electric Decapper

Features:

◎ A handheld multi-channel automatic capper provides a more lightweight and convenient way to batch open screw caps on tubes. The screwdriver heads follow the SBS layout, enabling the simultaneous opening/closing of 6/8 tube caps in a single row. The capper incorporates a torque-limiting structure to ensure complete sealing of the caps while avoiding damage to the sealing rings due to excessive torque. The flexible and efficient consumable storage solution meets your needs.

◎ Completes the opening or closing of 6/8 tube caps within 3 seconds, enhancing efficiency.

◎ Prevents laboratory personnel from coming into contact with samples or reagents when opening or closing caps, reducing safety hazards associated with biochemical reagents and biological samples.

◎ Currently the lightest product among all handheld cap openers, avoiding fatigue from prolonged use.

◎ Large-sized cap release button in the center, with separate buttons for cap rotation and cap removal.

◎ Powered by a high-capacity lithium battery with a USB charging interface.

◎ The 8-channel automatic decapper is suitable for both internally and externally threaded tubes.

◎ The 6-channel model is designated as KJMC-III for use with 48-well SBS tube boxes, while the 8-channel model is designated as KJMC-IV for use with 96-well SBS tube boxes.

Application scenarios

KJMC-III

KJMC-IV

Technical Data:

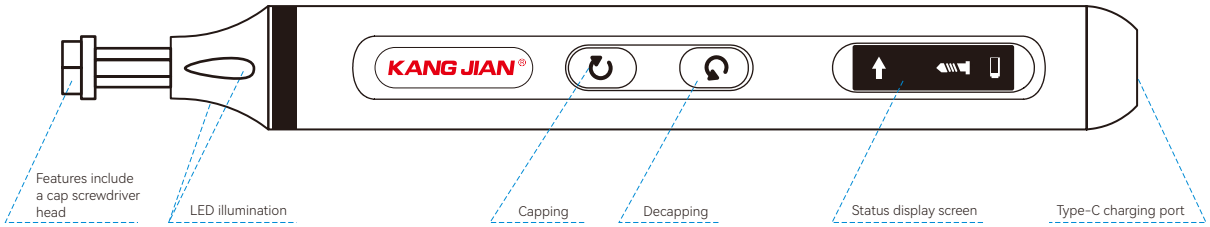
	KJMC-III	KJMC-IV
Number of Channels:	6 channels	8 channels
Decapping/Capping Speed:	4 seconds	4 seconds
Charging Time:	90 minutes	90 minutes
Permissible Ambient Temperature:	2-50 ℃	2-50 ℃
Permissible Relative Humidity:	80%	80%
Adapter Input Power:	AC 100-240V, 50/60Hz	AC 100-240V, 50/60Hz
Adapter Output Power:	DC 3V, 0.5A	DC 3V, 0.5A
Device Input Power:	10W	10W
Weight:	380g	380g

Capper and Decapper

>>> KJMC-VI Single Channel Electric Decapper

Overview:

This product is designed for use with KANGJIAN comprehensive range of SBS and 2D barcode cryovials, featuring a pen-style portable design for enhanced flexibility and convenience. It offers a customizable cap screwdriver head to accommodate various sample tubes. Suitable for a wide range of applications including biobanks, research institution labs, and inspection and quarantine facilities.



Features:

- **Efficient and safe:** Electric rotating cover, higher efficiency and safer pollution prevention compared to manual operation.
- **Humanized design:** Ergonomic design for long-lasting and comfortable use.
- **Wide application range:** Supporting the full range of frozen storage tubes for healthcare.
- **Safety and stability:** Unified torque to ensure the sealing performance of the cover and prevent damage to the frozen storage tube.
- **Simplicity and portability:** Simple operation, user-friendly dynamic display of power, operation actions, and rotation direction.

Application Scenarios:

Technical Data:

	KJMC-VI
Material:	Aluminum alloy
Screwdriver head material:	Cr12 (Nickelage)
Non-load speed:	170rpm
Anual torque:	3.5 N · M
Electric torque:	0.3 N · M
Battery specification:	350mAh Lithium battery
Rated voltage:	DC3.7V
Charging parameters:	5V 2A
Charging time:	60 minutes
Battery life:	Standby for 90 days / Continuous operation for 180 minutes
Size and weight:	Ø17×134.5mm, 52g

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