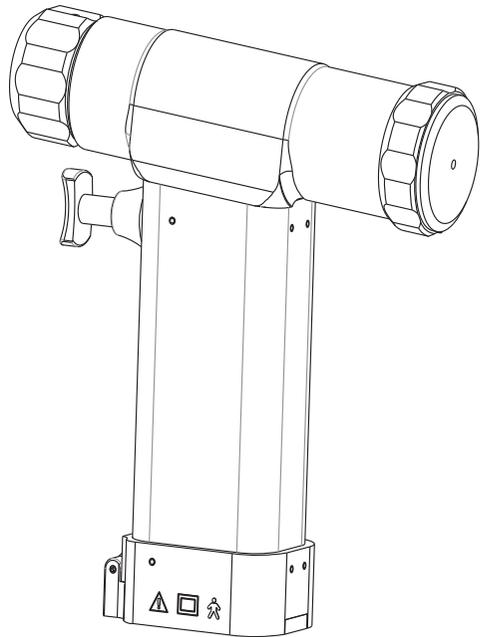
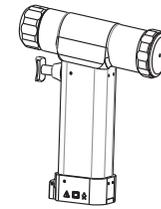


Medical Multi Functional drill saw operation manual



Overview



handpiece×1



charger×1



key×1



battery×2



sterilizing
channel×2



Multifunctional electrical drill and saw
(3 Jacob chucks: Normal drill, Quick release drill, Oscillating saw)

Specification

Host specifications:

NM-1002

Component specifications :

NM-1002 NM-1002 NM-1002

NM-1002 NM-1002

Operating Instruction

Performance Parameter

	No-load Speed	Connector	Speed frequency	angle Reciprocating
		Normal drill	0-1200rpm	
Multi function	0-15000rpm	Quick release drill	0-1200rpm	
		oscillating saw	0-15000cpm	4±0.5°

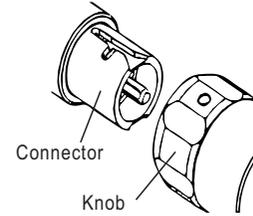
Working Parameter

Multifunction handpiece		charger		Battery	
work voltage	7.4V	input voltage	100-240V	voltage	7.4V
output power	80W	output voltage	0-14V	charger time	≈2h
unit rise of temperature	≤20℃	input power	23W		

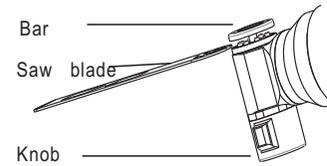
Identification description

Icons	description	Icons	description	Icons	description
	short time working		lock	L	turn left
	II type equipment		unlock	R	turn right
	B type equipment	Open	Open	OFF	turn off

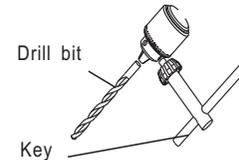
Operating instruction



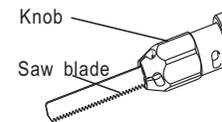
When installing the connector, insert the hexagon on the connector into the hex of the host, and gently push the connector into the host.



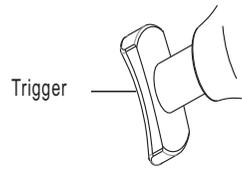
when installing the saw blade, please rotate the knob clockwise to open the bar, put the saw blade in 7 holes and rotate the knob counter-clockwise



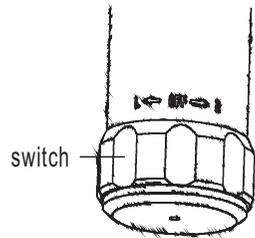
Twist the key, clockwise to clamp drill chuck and counter clockwise to loosen drill chuck



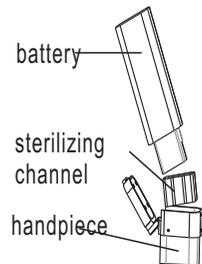
inserting the saw blade to the knob, rotating and locking the saw blade.



The rotation speed of drill saw can be controlled by how hard the trigger is squeezed. Squeeze the trigger fully for the fastest speed and squeeze it lightly for the slowest



- a. The switch is in OFF position normally.
- b. Turning the switch to the L position sets the direction of rotation to clockwise, R sets the direction of rotation to counter-clockwise.

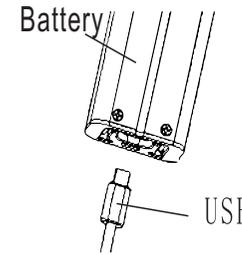


- a. battery can not touch handpiece directly.
- b. remove battery cover, holding the battery with sterilizing channel, insert the battery.

Cover switch



- a. Turn off the lock switch by pushing OPEN when inserting battery.
- b. Close battery cover after inserting battery and then lock the switch.



- a. During charging, please ensure to put the pin at the right position.
- b. If the charger standby, both two lights are green. If the battery is in charger, one light is red and the other is green. once the battery is full charged, the red light will turn to be green.

Test operation

After inserting battery, turn the switch to the L position and press the trigger the drill rotates counter-clockwise. turn the switch to R, drill rotates clockwise, drill can be used normally in this situation, or else, please contact with after-sales to repair.

Attention

1. Please ensure the installation of saw blade is ok, not allowing cracks, uneven, etc.
2. Saw blade installation screw must be screwed back in place, in order to ensure that the saw blade is installed securely.
3. Check the drill bits to ensure they are running straight before procedure. If there is any movement away from the center of the drill, the bits should be replaced. Check the drill bits are sharp, if not they should be burnished. The drilling should be fixed firmly and hand can not shake according to conventional.
4. The drill bits should be fixed tightly and securely. A special chuck key can help to lock the drill bits into place to avoid accidents happen. Drill saw and accessories should be placed in dry condition to avoid getting rusty.
5. The battery can not be sterilized by high temperature, high pressure and can not be left in the handpiece of extended periods of time. If the handpiece loses power during the operation and stops running, replace the battery immediately.
6. If there is abnormal noises during use, stop the use of the product and contact the manufacturer for maintenance.
7. This product is a medical instrument, and must only be operated by a competent person with a relevant technical experience and training.

Risks analysis

1. Cutting tools not be installed properly: operation instruction manual.
2. Battery invalid: check battery at regular intervals.
3. Battery not charged: charged battery before use.
4. Battery not fully charged: check if the battery is fully charged before use.

After-sales care and notes

1. The device is tested rigorously according to corporate standards before delivery. If any quality problem, we promise for implementation of Three Guarantees.
2. Please check the complete set of the device carefully after receiving it.
3. The device shall not be demolished by non-professionals. If any problem, please contact with after-sales service.

Disinfection and Transportation

disinfection methods	temperature	time	dry	remark
low temperature plasma sterilization	35°C-45°C	35mins		recommended
high temperature steam sterilization	121°C-123°C	50mins	8mins	

Transport and storage conditions	Ambient temperature range	-10°C ~ +40°C
	Relative humidity range	≤90%
	Atmospheric pressure range	500hPa~ 1060hPa
Equipment operating conditions	Ambient temperature range	5°C ~ 40°C
	Relative humidity range	≤70%
	Atmospheric pressure range	860hPa~ 1060hPa
	Charger power supply	220V±10% ; 50Hz±1%
	The host power supply (DC)	5.76 ~ 17.28V

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