

型号

NS-4041 NS-4042

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Registrant/manufacturer name: Wuhu Ruijin Medical Equipment Co., Ltd.

Registrant's residence/production address: No. 33, Wanchun Road, Economic and Technological Development Zone, Wuhu City, Anhui Province

After-sales Service Unit: Wuhu Ruijin Medical Instrument & Device Co., Ltd

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Product record number: Wanwu Machinery Preparation No. 20220006

Record number: Wanwu Food and Drug Administration Apparatus No. 20180001



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Plaster saw

Operating Manual

RJ-010004-Rev:01

Please read this manual carefully before
use and keep it properly

Dear user

Thank you for using this product! This manual contains important contents that must be understood for safe and proper use of the product.

The instruction manual is a part of the product. Therefore, this manual should be placed in a proper position for easy reference at any time for the whole lifetime. The product must be operated by trained personnel with relevant knowledge and experience. All personnel must read this instruction carefully before using this product.

This manual shall be transmitted to subsequent owners or users of the product. Any duplication, photogrammetry, digital post-processing or duplication is prohibited without consent of Wuhu Ruijin Medical Instrument & Device Co., Ltd.

This product is safe and reliable to use, except for the risks arising from special factors like operated by non-professionals or used for other purposes, etc. Therefore, please follow strictly the following rules to avoid accidental use. The product must be operated by professionals.

Product maintenance must be carried out by professional technicians or skilled users of Wuhu Ruijin Medical Instrument & Device Co., Ltd and the authorized person.

If there are any operation problems not mentioned, please contact Wuhu Ruijin Medical Instrument & Device Co., Ltd.

Instructions are subject to change without prior notice. Please put the manual in a proper position for reference.

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I. Product information

Product name: plaster saw

Product model: NS-4041 NS-4042

II. Corporate information

Registrant/manufacturer name: Wuhu Ruijin Medical Equipment Co., Ltd.

Registrant's residence/production address: No. 33, Wanchun Road, Economic and Technological Development Zone, Wuhu City, Anhui Province

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III. Main performance parameters

Plaster saw swing angle: none loading swing angle $\leq 6^\circ$;

Plaster saw swing frequency:
maximum none loading swing frequency ≥ 8000 times/min;

None loading noise ≤ 90 dB (A);

Surface temperature rise: the surface temperature shall not be higher than the ambient temperature 25°C after 3 minutes of none loading work;

Leakage current: patient leakage current should be less than 0.01mA , shell leakage current should be less than 0.1mA ;

IV. The structure composition

Consists of handpiece, cable and saw blades, non-sterile supply.

i. NS-4041 NS-4042

Note

All instructions in this manual are for the purpose of explanation only. If the appearance and function are inconsistent with the real object, the real object shall prevail.



V.The scope of application

This product is used for cutting and removing plaster bandages in medical institutions after fixation and reduction in orthopedic surgery.

VI. Contraindications, precautions, warnings and explanatory notes

i. Contraindications

None

ii. Precautions

- (i). Check whether the product is loose or missing parts or all moving parts are free to move to make sure it works properly before use every time.
- (ii). Check whether the saw blade is smooth, without teeth or installation is in place every time before use; check the ventilator of the motor to keep it unobstructed and prevent the blockage of external objects, resulting in poor ventilation when the motor works, causing the temperature rise to be too high, or even burning the motor.
- (iii). Do not apply too much pressure when using, shall increase with the saw blade swing gradually. If saw blade sticks in use, the power should be cut off immediately and slowly removed; It is strictly forbidden to take out directly under the working state, or else, it's easy to damage the motor.
- (iv). If abnormalities are found in the process of use, such as intermittent noise, uneven vibration, jitter obviously different from the normal state, etc., it should be stopped immediately and repaired in time.
- (v). After surgery, wipe the outer surface of the electric saw with a towel; if there are stains that are not easy to remove, use wet cloth with disinfection alcohol to wipe, please avoid alcohol permeating into the gypsum saw vent while wiping.
- (vi). Plaster saw shall be placed in an environment suitable for storage.
- (vii). Make regular check the power cord and plug of the electric plaster saw are free of broken skin and cracks to ensure perfect insulation performance and safe use.
- (viii). Plaster saw applicable power supply is divided into 110V and 220V, choose the right model according to local power grid provides voltage to ensure proper use.

iii. Warning and suggestive instructions

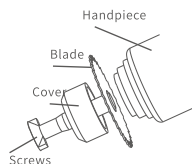
- (i). Please read this manual carefully and be familiar with its contents before use.
- (ii). The electric plaster saw shall only be used by qualified medical professionals who have a thorough understanding of the use of the device.
- (iii). Electric plaster saw shall be managed in accordance with the Regulations on The Management of Medical Waste.
- (iv). Do not immerse plaster saw and its accessories in normal saline to avoid corrosion.
- (v). Do not drip or infiltrate any liquid into the electric gypsum saw vent. Avoid dripping when wiping stains on the surface or seep into liquids, it may cause damage.
- (vi). Plaster saw belongs to internal power supply B type equipment according to electric shock protection classification.
- (vii). Holding position suggestion: hold the blue/red body position in the middle of saw handpiece to avoid contact with the saw blade.
- (viii). Adjust the power switch to the off state, and separate the power cord from the power socket for personal safety when the product is not working.
- (ix). This product is a safe swing saw, there is no injury while saw blades touch human skin, but the manufacturer recommends that a steel ruler be inserted between the plaster and the skin to avoid direct contact.

VII. Installation and removal

This product is a special medical equipment, and the installation and disassembly of this product must be medical personnel with corresponding technology or proper professional training.

i. Installation and removal of saw blade

When installing the saw blade, remove the screws and the blocking cover, insert the saw blade into the handpiece interface, and then install the blocking cover, screw in turn into the interface, and finally use the hexagon wrench to tighten the screw to fix the saw blade.



VIII. Operating instructions

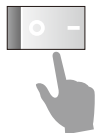
i. Speed control switch indication

The speed control switch on the handpiece has 6 gears in total, rolling the speed switch can adjust various swing frequency functions.



ii. Demonstration of manual mode operation

Power switch: control the power supply on and off, in the back of the handpiece.



IX. Maintenance and repair

This product is maintenance-free and does not contain parts that need to be maintained by users or manufacturers. In order to ensure the long-term stability of the product, the manufacturer recommends that professionals check the product regularly (such as whether the shaft is shaking, the shell is broken, the screw is firm, the active part is flexible, or the motor outlet is blocked, or the power line is hardened or broken). Ensure the safety of use by timely detection, evaluation and ensure the product is in good condition. Transportation and storage of plaster saw should be carried out according to the requirements of the manual to avoid corrosion and affect the use.

X. Transport and storage conditions

⚠ Attention

Parameters in this table are for reference only. In case of any conflict between this table and the information on the nameplate of the machine, the nameplate prevails.

Transport and storage conditions	Ambient temperature range	-10°C~+40°C
	Relatively moderate range	≤80%
	Atmospheric pressure range	500hPa~1060hPa
Equipment operating conditions	Ambient temperature range	5°C~40°C
	Relatively moderate range	≤70%
	Atmospheric pressure range	860hPa~1060hPa
	Voltage	110V±10% / 220V±10%

Avoid direct sunlight; storage temperature and humidity meet the requirements; avoid contact with corrosive gases or salty air;
Date of production: See the product quality certificate. Service life: two years

XI. Accessories list

Accessories: 5mm inner hexagon wrench 1 pc.
Consumables: saw blade (big round) 1pc, saw blade (small round) 1pc, saw blade (sector) 1pc.
Consumables are recommended to be used for ≤20 times.

XII. After-sales service

- i. Before selling the plaster saw, the company shall strictly inspect according to the corporate standards, and implement three guarantees for product quality.
- ii. After purchasing the plaster saw, please check the whole set in time.
- iii. If you need technical information about this plaster saw, please write to us.