



**WUHU RUIJIN MEDICAL INSTRUMENT
& DEVICE CO.,LTD**

Address/Tel/Fax: No.33, EastWanchun Road, Wuhu Economic
& Technology Development Zone, Wuhu Anhui China;
Tel: 86-553-2672511 Fax: 86-553-2672510
Website: www.whruijin.com



Medical Electric Lithium Battery Operated Brushless Micro Oscillating Saw RJ-PS(ES-2011)

***Brushless motor provide continuous and strong
power with very low noise. For application in cutting
small bone during hand and foot surgery.***

» Feature

- 01 *Mini wireless handpiece, suitable for hand & foot surgery, veterinary surgery.*
- 02 *Enhanced configuration-specific brushless micro motor, higher power performance with low noise.*
- 03 *Lightweight design, allowing for optimal manoeuvrability and minimizing wrist fatigue.*
- 04 *Can be autoclavable up to 135°C*
- 05 *3000 mAh lithium battery ensure long time working and sufficient power.*



Composition »

*One handpiece
One charger
Two lithium batteries
Two battery aseptic transfer rings
Five mini saw blades
One instruction manual
One aluminum case*

» Main Technical Data

Handpiece	Output Power	100 W
	Unit rise in temperature	≤25°C
Charger	Input Voltage	AC 100-240V,50 -60Hz
Battery	Voltage	7.4V
	Battery capacity	3000 mAh
	Battery feature	Lithium battery
	Charging time	2.5 hours

Non-loading frequency	0-18000 cpm
Non-loading noise	≤65 dB(A)
Swing angle	± 3.6°

» Product details



» Accessories

Mini Saw blade



Charger



Battery



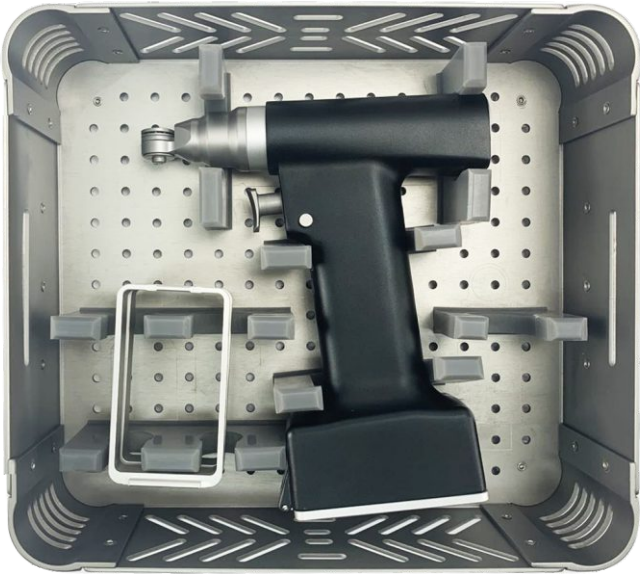
Aspetic battery transfer rings



RUIJIN Mirco sagittal saw blades

Length*Width (mm)	Thickness (mm)	
22*8	0.3	PSB 03-22-08-QX
22*8	0.5	PSB 05-22-08-QX
22*12	0.3	PSB 03-22-12-QX
22*12	0.5	PSB 05-22-12-QX
22*15	0.5	PSB 05-22-15-QX
25*5.5	0.5	PSB 05-25-055-QX
25*9.5	0.5	PSB 05-25-095-QX
29.5*7	0.5	PSB 05-295-07-QX
31*9.5	0.5	PSB 05-31-095-QX
40*5	0.5	PSB 05-40-05-QX
40*15	0.5	PSB 05-40-15-QX
39*13	0.5	PSB 05-39-13-QX
50*14	0.5	PSB 05-50-14-QX

Sterilization case is additional cost.



Aluminum case packing

Basic steps of sterilization, cleaning and maintenance of power tools.

1.Disaccessibly: All the consumable parts (saw blades, drill bits, etc) and battery should be removed before cleaning.

2.Cleaning: Please wash and rinse with flowing water. Note: use soft brush to clean, then wipe with soft dry cloth. All instruments are prohibited from soak cleaning.

*3.Maintenance: Maintain by medical lubricant every time when cleaning and wiping instruments. Apply lubricant on every mobilizable part.
Note: Applying lubricant and rotate parts to lubricate to the full.*

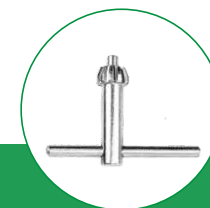
4.Assembly: Assembly and functional test. Note: After cleaning and applying lubricants, install all parts one by one and conduct function test and then check its intactness.

5.Sterilization: Forevacum high temperature for 132 centigrade and high pressure within 20 minutes; natural cooling time is more than 40 minutes. Expoxyethane and formaldehyde are prohibited. Instruments must be kept dry before sterilization.



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Electric saw drill - RJ-MP (NM-100) multifunctional electric saw drill

This multi-function system is a multi-purpose system that can be used in a wide range of applications. The bone drill , the canulated drill , the cranial drill, the cranial mill, the sternum saw, the acetabular reaming, the oscillating saw, reciprocating saw,tplo saw and the k-wire can be quickly replaced. It is the best choice for convenient and quick surgery.

Standard configuration >>

Description	Unit	Qty
Handpiece	pc	1
Charger	pc	1
Battery	pc	2
Battery aseptic transfer ring	pc	2
All these drill saw attachments can be partial chosen or full purchased.		
Universal Bone drill	pc	1
Bone drill AO synthes	pc	1
Canulate drill (drill chuck fixed)	pc	1
Canualte drill Stryker	pc	1
Canualte drill AO	pc	1
Acetabular reamer drill Styker	pc	1
Acetabular reamer drill AO	pc	1
Oscillating saw with two saw blades	pc	1
Cranial mill with two mill blades	pc	1
Cranial drill with one drill burr	pc	1
Sternum saw with two saw blades	pc	1
Reciprocating saw with two saw blades	pc	1
TPLO saw	pc	1
Kirshchner wire drill Φ0.8-Φ1.8	pc	1
Kirshchner wire drill Φ1.5-Φ2.5	pc	1
Kirshchner wire drill Φ2.0-Φ3.2	pc	1
Aluminum case for package	pc	1



>> Feature

- 01 *Ergonomically designed*
- 02 *Strong power and stable output*
- 03 *Support component quick change*
- 04 *Ensuring the operational efficiency*

» Main Technical Data

Handpiece	Output power	130W
	Temperature rise	≤25℃
Charger	Input voltage	AC110-220V, 50-60Hz
Battery	Voltage	14.4V
	Capacity	1800mAh
	Type	NI-MH battery
	Charging time	Around two hours
Bone drill	0-1025rpm	
Acetabular reamer drill	0-300rpm	
Canulate drill	0-1000rpm	
Kirshchner wire drill	0-1025rpm	
Cranial drill	0-1025rpm	
Cranial mill	0-40000rpm	
Oscillating saw frequency	0-18000cpm	
Sternum saw/ reciprocating saw frequency	0-18000cpm	
TPLO saw	0-18000cpm	
Oscillating saw amplitude	4±0.5°	
TPLO saw amplitude	10±0.5°	
Sternum saw/ reciprocating saw amplitude	3.6±0.25mm	
Saw noise	≤75dB (A)	
Drill noise	≤65dB (A)	
Drill radial runout	≤0.1mm	
Drill rated torque	3.5N.m-----10N.m	
Drill impact torque	8N.m-----12N.m	
Kirshchner wire clamping	0.8-1.8/2.0-3.2mm	

» Product details



» Accessories

Drill chuck & Key



Charger



Battery of 14. 4v



Aspetic battery transfer rings



» Different attachments as below & they are optional according to surgery

Multiple functions in one, wide range of applications. Quick replacement of adapters, convenient and speedy. Suitable for joint, trauma, neurosurgery, and intracardiac surgery; Applicable components consist of canulate drill adapter, K wire adapter, bone drill adapter, acetabular reaming drill adapter, oscillating saw adapter, cranial drill adapter, reciprocating saw adapter, sternum saw adapter, TPLO saw adapter and cranial mill adapter.



NM5-2001
Canulate Drill Adapter

Item code	Gripping Range	Speed
MPN52001	0.8-7.9mm	0-1000 rpm
MPN52011	0.8-7.9mm	0-1000 rpm
MPN52021	0.8-7.9mm	0-1000 rpm



NM5-6001
K Wire Adapter

Item code	Gripping Range	Speed
MPN16003	2.0-3.2mm	0-1200 rpm
MPN16002	1.5-2.5mm	0-1200 rpm
MPN16001	0.8-1.8mm	0-1200 rpm



NM5-1001
Bone Drill Adapter

Item code	Gripping Range	Speed
MPN51001	0.8-7.9mm	0-1200 rpm
MPN11021	/	0-1200 rpm



NM5-3011
Acetabular Reaming Drill Adapter

Item code	Gripping Range	Speed
MPN53011	1.0-8.1mm	0-300 rpm
MPN53021	1.0-8.1mm	0-300 rpm



NM5-S011
Oscillating Saw Adapter

Item code	Gripping Range	Speed
MPN15011	/	0-18000 cpm



NM5-S091
Cranial Mill Adapter

Item code	Gripping Range	Speed
MPN15091	/	0-36000 rpm



NM5-4011
Cranial Drill Adapter

Item code	Gripping Range	Speed
MPN14011	/	0-800 rpm



NM5-S032
Sternum Saw Adapter

Item code	Gripping Range	Speed
MPN15032	/	0-14000 cpm



NM5-S031
Reciprocating Saw Adapter

Item code	Gripping Range	Speed
MPN15031	/	0-14000 cpm



NM5-S071
TPLO Saw Adapter

Item code	Gripping Range	Speed
MPN15071	/	0-16000 cpm



Sterilization case is additional cost.

» Application

The Multifunctional Drill Saw System is widely used in joints, trauma, neurosurgery, and intracardiac surgery. Ergonomically designed, it is the best choice for operators, and it can be completely controlled under the premise of ensuring the speed to ensure safety. The new imported motor has strong power and stable output. Support component quick change, ensuring the operational efficiency of medical personnel. This is a product not to be missed when you are purchasing Multifunctional Drill Saw System.

Aluminum case packing





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***Medical electric saw -oscillating
saw RJ-PS (NS-1011)***

***For application in cutting bone during
articular (knee & hip Joint) surgery.***

» Feature

- 01 *Lightweight design, allowing for optimal manoeuvrability and minimizing wrist fatigue.*
- 02 *Imported motor*
- 03 *Main components are made of high strength stainless steel.*
- 04 *Can be autoclavable up to 135°C*



Composition »

*One handpiece
One charger
Two batteries
Two battery aseptic transfer rings
Five saw blades
One instruction manual
One Aluminum case*

>> Main Technical Data

Hand Piece	Output Power	130W
	Unit rise in temperature	≤25℃
Charger	Input Voltage	AC 110-220V , 50-60Hz
Battery	Voltage	14.4V
	Battery capacity	1800mAh
	Battery feature	Environmental friendly nickel-metal hydrogen battery
	Charging time	Two hours

Non-loading frequency	0-18000cpm
Non-loading noise	≤75dB (A)
Swing angle	4±0.5°

>> Product details



>> Accessories

Saw blades



Charger



Battery of 14. 4v







Aspetic battery transfer rings





Saw Blade :

Effective length : 90 mm

Length*Width (mm)	Thickness (mm)	Ruijin
90 X 24 	0.8	
	1.0	118902410
	1.2	118902412
	1.27	
90 X 22 	0.8	118902208
	1.0	118902210
	1.2	118902212
	1.27	1189022127
90 X 19 	0.8	
	1.0	118901910
	1.2	118901912
	1.27	1189019127
90 X 13 	0.8	118901308
	1.0	118901310
	1.2	118901312
	1.27	1189013127

Effective length : 70 mm

Length*Width (mm)	Thickness (mm)	Ruijin
70 X 24 	0.8	
	1.0	98702410
	1.2	98702412
70 X 22 	0.8	98702208
	1.0	
	1.2	
	1.27	987022127
70 X 13	1.0	98701310

**Saw blades Effective length :
special dimension**

50*13	0.8	78501308
45*32	1.2	73453212
30*10	0.5	58301005
28*58	1.0	54285810
65*27		

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3.Maintenance: Maintain by medical lubricant every time when cleaning and wiping instruments. Apply lubricant on every mobilizable part.

Note: Applying lubricant and rotate parts to lubricate to the full.

4.Assembly: Assembly and functional test. Note: After cleaning and applying lubricants, install all parts one by one and conduct function test and then check its intactness.

5.Sterilization: Forevacuum high temperature for 132 centigrade and high pressure within 20 minutes; natural cooling time is more than 40 minutes. Expoxymethane and formaldehyde are prohibited. Instruments must be kept dry before sterilization

Declaration of conformity

Manufacturer name: **Wuhu Ruijin Medical Instrument & Device Co., Ltd.**

Address: No.33, Wanchun Road, Economic and Technological Development Zone, Wuhu City, Anhui Province, P.R.China

European Representative name: **Shanghai International Holding Corp. GmbH (Europe)**

Address: Eiffestrasse 80, 20537 Hamburg, Germany

Tel : 0049-40-2513175 Fax: 0049-40-255726

Dimdi No.:DE/0000040627 E-mail: shholding@hotmail.com

Product: **Medical electrical saw drill**

Please refer to the appendix.

Classification (MDD, Annex IX): **IIa**

According to the ANNEX IX of MDD93/42/EEC, Rules 9,

Conformity Routes: MDD93/42/EEC Annex V (Production quality assurance)

Notified Body: TÜV SÜD Product Service GmbH, Ridlerstr.65, 80339, Munich, Germany.

NB identification number: 0123

We herewith declare that the above-mentioned products meet the provisions of the following EC Council Directives and Standards. All supporting documentations are retained under the premises of the manufacturer. We, the manufacturer, are exclusively responsible for the DoC.

DIRECTIVES

Address/Tel/Fax: No.33, East Wanchun Road, Economic & Technological Development Zone, Wuhu City, Anhui Province, PEOPLE'S REPUBLIC OF CHINA

Tel: 86-553-2672510- Fax: 86-553-2672511

Website:www.ruijinmedical.com

General applicable directives:

Medical Device Directive : COUNCIL DIRECTIVE 93/42/EEC of 14 June 1993 concerning medical devices (MDD 93/42/EEC +amendment 2007/47/EC).

Standards:

All applicable harmonized Standards (see standards list in the CE technical file)

Certificate No.: G2 095446 0005 Rev.00

Valid from: 2020-01-08

Valid until: 2024-05-26

Date CE mark was affixed: CE0123

Place, date of issue: Wuhu, China

Signature:

Name/Position: Yang shangping / GM 2020-01-15



Appendix

No.	Model	Code:
1	RJ-MP	NM100
2		NM101
3		NM300
4		NM500
5	RJ-MP	EM100
6		EM300
7	RJ-MP	SM100
8		SM300
9	RJ-PD	ND-1001
10		ND-2011
11		ND-3011
12		ND-5001
13		ND-5002
14		ND-1501
15		ND-2511
16		ND-3511
17	RJ-PS	NS-1011
18		NS-3031
19		NS-3032
20		NS-2011
21		NS-4031

22		NS-1511
23		NS-3531
24		NS-3532
25	RJ-PS	ES-1011
26		ES-3031
27		ES-3032
28		ES-2011
29		ES-4031
30	RJ-PS	SS-1011
31		SS-3031
32		SS-3032
33		SS-2011
34		SS-4031



Benannt durch/Designated by
Zentralstelle der Länder
für Gesundheitsschutz
bei Arzneimitteln und
Medizinprodukten
www.zlg.de
ZLG-BS-244.10.08



Product Service

EC Certificate

Production Quality Assurance System
Directive 93/42/EEC on Medical Devices (MDD), Annex V
(Devices in Class IIa, IIb or III)

No. G2 095446 0005 Rev. 00

Manufacturer:

**Wuhu Ruijin Medical Instrument & Device
Co., Ltd.**

No.33, Wanchun Road
Economic and Technological Development Zone
241000 Wuhu City, Anhui Province
PEOPLE'S REPUBLIC OF CHINA

Facility(ies):

Wuhu Ruijin Medical Instrument & Device Co., Ltd.
No.33, Wanchun Road, Economic and Technological
Development Zone, 241000 Wuhu City, Anhui Province,
PEOPLE'S REPUBLIC OF CHINA

Product Category(ies):

**Medical Electric Saw Drill,
Medical Electric Drill,
Medical Electric Saw**

The Certification Body of TÜV SÜD Product Service GmbH declares that the aforementioned manufacturer has implemented a quality assurance system for manufacture and final inspection of the respective devices / device categories in accordance with MDD Annex V. This quality assurance system conforms to the requirements of this Directive and is subject to periodical surveillance. For marketing of class IIb and III devices an additional Annex III certificate is mandatory. See also notes overleaf.

Report No.:

SH19104901

Valid from:

2020-01-08

Valid until:

2024-05-26

Date,

2020-01-08

Christoph Dicks
Head of Certification/Notified Body



Certificate

No. Q6 095446 0004 Rev. 01

Holder of Certificate: **Wuhu Ruijin Medical Instrument & Device Co., Ltd.**

No.33, Wanchun Road
Economic and Technological Development Zone
241000 Wuhu City, Anhui Province
PEOPLE'S REPUBLIC OF CHINA

Facility(ies):

Wuhu Ruijin Medical Instrument & Device Co., Ltd.
No.33, Wanchun Road, Economic and Technological
Development Zone, 241000 Wuhu City, Anhui Province,
PEOPLE'S REPUBLIC OF CHINA

See Scope of Certificate

Certification Mark:



Scope of Certificate:

**Production and Distribution of
Medical Electric Saw Drill,
Medical Electric Drill, Medical Electric Saw,
Saw Blade, Drill Bit, Autoclavable Box, Flexible Reamer**

Applied Standard(s):

EN ISO 13485:2016
Medical devices - Quality management systems -
Requirements for regulatory purposes
(ISO 13485:2016)
DIN EN ISO 13485:2016

The Certification Body of TÜV SÜD Product Service GmbH certifies that the company mentioned above has established and is maintaining a quality management system (excluding subclause 7.3), which meets the requirements of the listed standard(s). All applicable requirements of the testing and certification regulation of TÜV SÜD Group have to be complied with. For details and certificate validity see: www.tuvsud.com/ps-cert?q=cert:Q6_095446_0004_Rev.01

Report No.: SH22104901

Valid from: 2022-11-08

Valid until: 2025-11-07

Date, 2022-10-24

Christoph Dicks
Head of Certification/Notified Body