



## **Wuhu Ruijin Medical Instrument & Devices Co.,Ltd**

Add:33rd, East Wanchun Road, Jiujiang District,Wuhu City,Anhui Province,China.


Website:www.whruijin.com

Email:wendy@whruijin.cn

Tel:+86-553-2672510

FAX: +86-553-5223846

### ● Multifunctional drills saws system

Product Name	Model No.	Port	Picture
Multifunctional drills saws(9pcs drills saws attachment available)	NM-100	SHANGHAI	

#### Technical Data:

**Input Voltage** 220V/50HZ or 110V/60HZ

**Frequency** > 15000rpm

**Speed (drill)** >600rpm

**Speed( acetabulum burnishing drill)** >130rpm

**Torque (quick chuck)** >7500G/C

**Torque(reamer)** >33000G/C

**Torque(Hollow drill)** >11200G/C

**Unit rise in temperature**  $\leq 25^{\circ}$

**Noise**  $\leq 78\text{dB}$

#### Standard configuration:

Qty(pc)	Item name
1	Multifunctional hand piece
1	Sternum saw attachment
1	Oscillating saw attachment
1	Cannulated drill attachment
1	TPLO saw attachment
1	Quick chuck attachment
1	AO coupling attachment

1	Craniotomy drill attachment
1	Craniotomy mill attachment
1	Hip joint drill attachment
1	Perforator bur
2	Saw blades
2	TPLO saw blades
2	Sternum saw blades
2	Mill blades
1	high-temperature cover
2	batteries
1	charger
2	Jacobs Drill chuck with key
2	Sterilizing transfer kits
1	Aluminum case packing
1	Outside carton box packing

## Technical Merits

### 10 Attachments

Canulated drill	527g
Sternum saw	365g
oscillating saw	290g
Cranial mill	186g
Quick chuck	342g
Acetabulum burnishing drill	408g
Cranial drill	361g
TPLO saw	315g
AO quick coupling	340g

**1:Mainframe is made of Aluminium,lightweight,durable,long working time,the assecories can be selected freely by different operation.**

**2:quick chuck :** Imported chuck ensures outstanding performance during operation,

**3:Sternum saw:**Both 360°rotating head and blade guard can protect  
Soft tissue around sternum

**4:Craniotomy mill:** 40000r.p.m rates assures fast,efficient and safe process in craniotomy

**5:oscillating saw :** 360°rotating head can be applied to any surgical  
Sites.Wrenchless collect allows for easy,fast and safe loading and unloading blades

**6:reamer :** Hi-torque,ideal for acetabulum or medullary operation  
Available to all brands mill universal

**7: wire and pin chuck :** with a canula diameter 4.0mm applide to various intramedullary pin or kirschner  
pin fixing opration easily and convenientiy

**8:cranial drill :**Auto-pause offer perforation ensures safety in neurosurgery.

**9:Highest quality**

**10:Perfect ergonomic design**

**11:can meet different kinds of surgery operation**

**4:mainframe**

Multifunctional drill with a comprehensive range of quick change  
attachments assembled in one full functional handpiece,affort surgeon a convenient.

1:handpiece can drive a variety quick connects

2:attachments can be assembled and disassembled easily

3:360°rotating

4:the mian components are made of high-strength stainless steel

5:135 centigrade autoclavable

6: NI-MH battery without memory environment

7:Autoclavable

## Details pictures:

Full set with aluminum case packing



## Attachments:

---

NM1-1001 Jacobs Quick chuck x1

Speed: 0-1200 rpm, Gripping range: 0.8mm-8mm



---

NM1-1021 AO coupling attachment x 1

Speed: 0-1200 rpm, Gripping range: 0.8mm-8mm



---

NM1-3011 Hip joint drill attachment x 1

Speed: 0-300 rpm



---

NM1-2001 Cannulated drill attachment x 1:

Speed: 0-650 rpm, Gripping range: 0.8mm-8.0mm



---

NM1-4011 Craniotomy drill attachment x 1:

Speed: 0-900 rpm



---

NM1-S091 Craniotomy drill attachment x 1:

Speed: 0-36000 rpm



---

NM1-S032 Sternum saw attachment x 1:

Osc: 0-15000osc/min.



---

NM1-S011 Oscillating saw attachment x 1:

Speed: 0-18000 rpm



---

NM1-S0511 Oscillating saw attachment x 1:

Speed: 0-18000 rpm



### **Cleaning and Sterilizing:**

★ **Note:** battery can not be sterilized by high temperature and high pressure.

#### **1: Sterilizing:**

Place the hand piece on the stainless steel mesh rack 135°C high temperature sterilization for 20 minutes.

#### **2: Cleaning:**

The surface of the Hand piece can be cleaned by gauze with water or alcohol, then store it.

### Sterilization Suggestion( for Hand Piece):

Method	Temperature	Time	Dry
Quick without cloth	129°C~134°C	10min	8min
Vacuum with packing cloth	129°C~134°C	4min	8min
100%100% ethylene oxide with cloth	49°C~57°C	2hours30min	Ventilate 8 hours
270F steam with cloth	129°C~134°C	35min	8min
270F steam with cloth	121°C~123°C	50min	8min


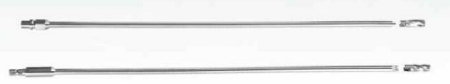
All above are included in standard set, we would like to show some related accessories as below for more options.

#### 1. Sterilization tray



#### 2. Flexible reamer:

With Stryker connection and Large AO connection for optional.

<p>Fixed head type, sharp cutting edge</p>  <p>Size: ø7.0, ø7.5, ø8.0, ø8.5, ø9.0, ø9.5, ø10, ø10.5, ø11, ø11.5, ø12, ø12.5, ø13, ø13.5, ø14, ø14.5, ø15</p> <p>Shaft: 440mm length</p>	<p>Detachable head, sharp cutting edge</p>  <p>Head Size: ø7.2, ø7.5, ø8.0, ø8.5, ø9.0, ø9.5, ø10, ø10.5, ø11, ø11.5, ø12, ø12.5, ø13, ø13.5, ø14, ø14.5, ø15</p> <p>Shaft size: ø7.0mm, 440mm length</p>
--	---

#### 2. Acetabulum reamer & shaft


With Stryker connection, Large AO and Hudson for optional.



Size:  $\varnothing 33$ ,  $\varnothing 36$ ,  $\varnothing 38$ ,  $\varnothing 40$ ,  $\varnothing 42$ ,  $\varnothing 44$ ,  $\varnothing 46$ ,  $\varnothing 47$ ,  $\varnothing 48$ ,  $\varnothing 49$ ,  $\varnothing 50$ ,  $\varnothing 51$ ,  $\varnothing 52$ ,  $\varnothing 53$ ,  $\varnothing 54$ ,  
 $\varnothing 55$ ,  $\varnothing 56$ ,  $\varnothing 57$ ,  $\varnothing 58$ ,  $\varnothing 60$ ,  $\varnothing 62$ ,  $\varnothing 64$

Shaft: 318mm length.

### 3. Drill bit

Twist drill bit	AO quick chuck drill bit	Quick release drill bit	Cannulate drill bit
 <p>normal drill bits</p>	