

PRIME Surgical International (PSI)

PRIME POWER TOOL

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1. Large Torque Drill M-01



Features

1. Maximum speed: 250 rpm.
2. Positive and negative rotation and smooth operation.
3. Diameter for gripping drill bit: 0.6-8mm.
4. Environmental protection battery within voltage of 14.4V. No need for sterilization.
5. Whole machine can be sterilized by high temperature.
6. Battery charged suitable for voltage of both 110V and 220V

Advantages

1. Advanced motor technology
2. Increased torque
3. Reduced vibration and enhanced hand piece control.
4. Long working time for battery

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2. Large Torque Drilling M-02



Features

1. Maximum speed: 250 rpm.
2. Quick-coupling head design allows to connect stryker and other types of Acetabular reamer, intramedullary flexible reamer, Acetabular polisher, ect.
3. Positive and negative rotation and smooth operation.
4. Diameter for gripping drill bit: 0.6-8mm.
5. Environmental protection battery within voltage of 14.4V. No need for sterilization.
6. Whole machine can be sterilized by high temperature.
7. Battery charged suitable for voltage of both 110V and 220V

Advantages

1. Advanced motor technology
2. Increased torque
3. Reduced vibration and enhanced hand piece control.
4. Long working time for battery

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3. Electric Bone Drilling M-03



Features

1. Maximum speed: 1200 rpm.
2. Positive and negative rotation, smooth operation and stepless speed regulation.
3. Diameter for gripping drill bit: 0.6-8mm.
4. Environmental protection battery within voltage of 14.4V. No need for sterilization.
5. Whole machine can be sterilized by high temperature.
6. Battery charged suitable for voltage of both 110V and 220V

Advantages

1. Advanced motor technology.
2. Increased drilling speed.
3. Reduced vibration and enhanced hand piece control.
4. Long working time for battery.

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4. Electric bone drill M-04



Features

1. Maximum speed: 1,200rpm, stepless speed regulation, rotating in positive and negative direction for selection, stable operation;
2. Any connectors are ok, equipped with special drill bits are also ok;
3. Battery voltage: 14.4V; exempt from disinfection design; 2 batteries;
4. Strong host power, conjoined closed cover;
5. Suitable for high temperature sterilization;

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5. Cannulated bone drill M-05



Features

1. Maximum speed: 1200 rpm.
2. Positive and negative rotation, smooth operation and stepless speed regulation.
3. Max. cannulated diameter: 4.5mm, suitable for K-wire, intramedullary nails and other operations;
4. Environmental protection battery within voltage of 14.4V. No need for sterilization.
5. Whole machine can be sterilized by high temperature.
6. Battery charged suitable for voltage of both 110V and 220V.
7. Two batteries.

Advantages

1. Advanced motor technology.
2. Increased drilling speed.
3. Reduced vibration and enhanced hand piece control.
4. Long working time for battery.

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6. Cannulated electric drill M-06



Features

1. Maximum speed: 1200 rpm.
2. Positive and negative rotation, smooth operation and stepless speed regulation.
3. Max. cannulated diameter: 4.5mm, suitable for K-wire, intramedullary nails and other operations;
4. Quick-coupling head design allows to connect all types of marrow reamer, sanding and opening device.
5. Environmental protection battery within voltage of 14.4V. No need for sterilization.
6. Whole machine can be sterilized by high temperature.
7. Battery charged suitable for voltage of both 110V and 220V.
8. Two batteries.

Advantages

1. Advanced motor technology.
2. Increased drilling speed.
3. Reduced vibration and enhanced hand piece control.
4. Long working time for battery.

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7. Oscillating saw M-07



Features

1. Reciprocating Frequency: 14000 Times/min; reciprocating amplitude: 2.5mm-5mm; stepless speed regulation;
2. Battery voltage: 14.4V; exempt from disinfection design; 2 batteries;
3. Safety saw removing device;
4. Low noise design of mechanical structure and components
5. Strong host power, conjoined closed cover;
6. Suitable for high temperature sterilization;
7. Along with 5 pieces of saw blades
8. Blade size: (Thickness*Width*Length)
1.0*24*90mm, 1.0*24*110mm, 1.2*24*90mm, 1.2*24*110mm, and 1.2*20*120mm, one piece each size.

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8. Reciprocating electric saw M-08



Features:

1. Reciprocating Frequency: 14000 Times/min; reciprocating amplitude: 2.5mm-5mm; stepless speed regulation
2. Battery voltage: 14.4V; exempt from disinfection design; 2 batteries;
3. Safety saw removing device;
4. Low noise design of mechanical structure and components
5. Strong host power, conjoined closed cover;
6. Suitable for high temperature sterilization;
7. Along with 5 pieces of saw blades

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9. Self Stopping craniotomy Drilling M-09



Features

1. Maximum speed: 800rpm, stepless speed regulation, rotating in positive and negative direction for selection, stable operation
2. Self-stopping after piercing craniotomy to ensure safety in operation
3. Battery voltage: 14.4V; exempt from disinfection design; 2 batteries;
4. Strong host power, conjoined closed cover;
5. Suitable for high temperature sterilization;
6. Along with 3 pieces of drill bit; 6mm, 9mm and 12mm each

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10. Craniotomy mill M-10



Features

- 1 Maximum speed of milling head: 30000rpm; stepless speed regulation; smooth running
2. Sheath is designed on milling head to ensure the safety of operation.
3. Battery voltage: 14.4V; exempt from disinfection design; 2 batteries;
- 4 Safety and fast mill head removing device;
5. Strong host power, conjoined closed cover;
6. Suitable for high temperature sterilization;
7. Along with 4 pieces of milling head;

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11. Small electric drill M-11



Features

1. Maximum speed: 1200rpm, stepless speed regulation, rotating in positive and negative direction for selection, stable operation
2. Gripping drilling bit diameter: 0.4-4mm
3. Battery voltage: 7.2V; free from disinfection; 2 batteries.
4. Reliable performance; lightweight; suitable for hand, foot, frontal plane surgical operation;
5. Strong host power, conjoined closed cover
6. Suitable for high temperature sterilization

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12. Small Oscillating Saw M-12



Features:

1. Oscillating frequency: 14000 Times/min; oscillating degree: 5°; stepless transmission
2. Battery voltage: 7.2V; free from disinfection; 2 batteries.
- 3 Safety and fast saw removing device;
4. Low noise design of mechanical structure and components
5. Reliable performance; lightweight; suitable for hand, foot, frontal cheeks surgical operation;
6. Strong host power, conjoined closed cover
7. Suitable for high temperature sterilization
8. Along with 5 pieces of saw blades
9. Blade size: (Thickness*Width*Length)
0.6*5*70mm*1 piece, 0.6*8*70mm* 2 pieces, 0.6*12*70mm* 2 pieces

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13. Reciprocating saw M-13



Features

1. Reciprocating Frequency: 14000 Times/min; reciprocating amplitude: 2.5mm-5mm; stepless speed regulation;
2. Anti-sheath functions for the saw blade to protect the soft tissue from injury during chest surgery operation. It is suitable for thoracic surgery.
3. Battery voltage: 14.4V; exempt from disinfection design; 2 batteries;
4. Safety saw removing device;
5. Low noise design of mechanical structure and components
6. Strong host power, conjoined closed cover;
7. Suitable for high temperature sterilization;
8. Along with 5 pieces of saw blades

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14. Multi-functional electric drill M-14



No.	Name	Photo	Unit	
1	Handpiece M-14-1		SET	
I. Features of handpiece 1. Handpiece maximum speed: 14000rpm, stepless speed. Positive and negative direction Rotation for choosing and it runs stably. 2. The handpiece can install 7 connectors, they are high torque drilling interface, self-stopping craniotomy drilling interface, fast-drilling interface, cannulated drilling interface, oscillating saw interface, reciprocating saw interface, craniotomy milling interface, 3. Battery voltage 14.4V; free from sterilizing; two batteries; 4. The whole body can be sterilized.				

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2	High torque drilling Chuck M-14-2		PC	
I. Features of high torque drilling interface Fastest speed: 250rpm.				
3	Self-stopping craniotomy drilling Chuck M-14-3		PC	
Features of self-stopping craniotomy drilling The Max. speed: 1200 RPM, has the function of self-stopping after piercing craniotomy to ensure safety in operation. It is also suitable for neurosurgical operation.				
4	Fast drilling Chuck M-14-4		PC	
Features of fast drilling interface Maximum speed: 1200rpm.				
5	Craniotomy milling Chuck M-14-5		PC	
Features of Craniotomy milling interface 1. Milling head drilling speed: 30000rpm 2. Continuously Variable Transmission, Stable Running 3. 4 pieces of mills for free				
6	Cannulated drilling Chuck M-14-6		PC	
Features of cannulating drilling interface 1. Max. rotating speed: 1200rpm 2. Max. hollow diameter: 4.5mm 3. Suitable for K-wire and interlocking nails operation.				

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7	Reciprocating Saw Chuck M-14-7		PC	
Features of Reciprocating Saw Interface 1. Reciprocating Frequency Of 14000 times/Minute. 2. Reciprocating Amplitude 2.5mm-5mm, 3. Continuously Variable Transmission, Safety Blade Removal Device. 4. 5 saw blade for free				
8	Oscillating Saw Chuck M-14-8		PC	
Features of Oscillating Saw Interface 1. Oscillating Frequency:14000 Times / min 2. Oscillating amplitude: 50 degrees, 3. Safe and fast saw blade removal device. 4. Saw Blades: 1.0*24*90mm,1.0*24*110mm, 1.2*24*90mm, 1.2*24*110mm, and 1.2*20*120mm, one piece each size.				

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15. High speed drill M-15

I. Price list

No.	Name	Specification	Unit
1	Controller M-15-1	WDJ-SSZ-01	SET
2	Motor M-15-2	2397	SET
3	Straight Handle M-15-3	115MM	PC
4	Bent Handle M-15-4	130MM	PC
5	Drill Bit M-15-5	1*70mm	PC
6	Drill Bit M-15-6	2*70mm	PC
7	Drill Bit M-15-7	3*70mm	PC
8	Drill Bit M-15-8	4*70mm	PC
9	Drill Bit M-15-9	5*70mm	PC

Box Size: 370*500*160mm. Weight: 7KG.

II. Detailed description

1. Controller M-15-1



- 1-1. Three Speed: 15500rpm/21000rpm/30500rpm. Stepless speed regulation;
- 2-2. Positive and negative direction Rotation.
- 3-3. Size: 280*230*100mm

2. Straight handle M-15-3



It is suitable for the neurosurgery, spinal surgery and microsurgery.

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3. Bent handle M-15-4



It is suitable for the neurosurgery, spinal surgery and microsurgery.

4. Drill Bit



Size: 1*70mm, 2*70mm, 3*70mm, 4*70mm, 5*70mm

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16. Small Cannulated Electric Drill M-20



Features

1. Maximum speed: 1200rpm, stepless speed regulation, rotating in positive and negative direction for selection, stable operation
2. Gripping drilling bit diameter: 0.4-4mm
3. Battery voltage: 7.2V; free from disinfection; 2 batteries.
4. Reliable performance; lightweight; suitable for hand, foot, frontal plane surgical operation;
5. Strong host power, conjoined closed cover
6. Suitable for high temperature sterilization
7. Maximum inner cannulated diameter is 3.2mm and can be used for K-wire operation and intramedullary pin operation.

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17. Plaster saw M-18



1. Oscillating frequency: > 12500 Times/min; oscillating angle: 5 Degrees.
2. Input power: 110Vac -240Vac.50Hz
3. Rated input power: 125W
4. Low noise design of mechanical structure and components
5. Alloy saw, long life span.
6. Soft tissue protection function, safe and reliable use.
7. Suitable for all types of plaster bandage, especially suitable for the removing of high polymer bandage.
8. 2 pieces of saw blades for free.

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18. Aluminum Box for Drill and Saw Sterilization M-21



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19. Acetabular Reamer Instrument Set



Including 2 PCs of Stryker Acetabular Bar and 10 PCS of Acetabular Cutter and 1 Aluminum Box.

- 1.The Stryker Acetabular bar. Length 218mm and Length 318mm. Price is USD95/PC,
2. The Acetabular cutter has 16 sizes. 33,36, 38,40,42, 44,46,48, 50,52,54,56,58,60,62,64mm and the price is USD25/PC. You can choose the size you need. Usually we send the size from 33-52mm Acetabular cutter in the set.

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