



The expert can choose to configure freely according to his experience and habit!

E8 basic configuration

host configuration

- 1 Surgical Drive System
- 1 motor head
- 1 foot switch
- 1 bracket
- 1 saline bag holder
- 1 motor pipe
- 1 disposable perfusion tube

handpiece configuration

- 1:4.2 Sterile tooth extraction handpiece

E8 Pro basic configuration

host configuration

- 1 Surgical Drive System
- 1 motor head
- 1 foot switch
- 1 bracket
- 1 saline bag holder
- 1 motor pipe
- 1 disposable perfusion tube

handpiece configuration

- 1:1 handpiece
- 1:5 handpiece
- 1:4.2 Sterile tooth extraction handpiece
- Arrow shape saw blade bone knife 、straight handpiece
- Swing saw blade bone and blade straight handpiece
- Back and forth saw blade bone and blade straight handpiece

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经销商



LAUNCH EVENT OF
SURGICAL DRIVE SYSTEM

jinme 精美

Surgical Drive System

Surgical Drive System , more understanding in the clinical **2in1**



Six highlights and remarkable achievements

A milestone in dental comfort therapy



More efficient electric bone-knife machine

Combined with the ultrasonic bone knife, it will present a more perfect therapeutic effect. Equipped with three bone-knife handpiece for different clinical applications, the serrated surface is specially coated for high efficiency, less heat generation, and more durable.



Intuitive and generous interface

Color touch screen design, simple and intuitive interface, easy to learn and easy to use; Glass screen, easy to clean and wipe disinfection.

Direct supply of normal saline to reduce surgical infection rate

In aseptic minimally invasive tooth extraction, the method of direct supply sterilization and cooling physiological saline can reduce the infection rate, wound healing quickly and complications are light.

Meet all functions of high and low speed handpiece

1:5, 1:1, 1:4.2, different handpiece clinical application scenarios can be freely selected, can be used for tooth preparation, caries removal, polishing, tooth extraction and other dental treatment



Intelligent pedal to meet the requirements of surgical sense control

Flexible use of foot control, reduce hand control, can reduce the cross infection during surgery; Stepless variable speed, sensitive speed control; Innovative water key design, fast out/stop water, IPX6 professional ecology-level waterproof treatment, safe and reliable.



Ultra-low speed of 100 revolution, to meet precise repair and fine tuning

Motor imported from Switzerland, minimum speed up to 100rpm/min. Using imported chip drive board, brushless motor, so that the dental operation motor keep stable, accurate, static for a long time!

Sterile and minimally invasive tooth extraction makes patients more at ease!

Direct supply of sterilized and cooled saline to reduce the risk of surgical infection



Direct supply of sterilized and cooled saline to reduce the risk of surgical infection

Aseptic minimally invasive tooth extraction advocates the concept of zero-knock and small-trauma. The 45° angle of elevation of the handpiece, during the operation, strictly controls the tissue of the operation area. protection to minimize trauma.



Aseptic and minimally invasive tooth extraction, fast healing and few complications

The extraction of mandibular impacted wisdom teeth is a common operation in dental clinics, and it is also the most difficult and complicated tooth extraction. Surgery, the operation adopts the water supply method of sterilized cooling external saline treatment, which can reduce the surgical infection rate and reduce the risk of injury. The mouth heals quickly and there are few complications.

Reduce patient fear and increase comfort

Using the drive motor for the extraction of impacted teeth, the operation has technical accuracy, fast grinding and cutting, no hammer percussion. The advantages of low vibration and low noise reduce the fear of patients and increase the comfort and satisfaction of patients.

*The above data comes from the paper "Application of sterilized and cooled saline solution in minimally invasive extraction of impacted teeth" "China Continuing Medical Education" 2017 Issue 2, pp. 141-143

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No need of water and gas for dental chair, Plug-in ready

Portable mobile, multi-purpose, multi-scene application



Traditional dental surgical treatment, must rely on the water and gas resources of the dental chair, the pipeline is complicated and inconvenient, the dental surgical drive system is portable, mobile and plug-in.

The utility model can meet the requirements of multi-scene application, such as surgical operating room, free clinic, field treatment, home medical treatment, teaching and scientific research, etc.



Operating room application



Application of Free Clinic Activities



Application of teaching and scientific research



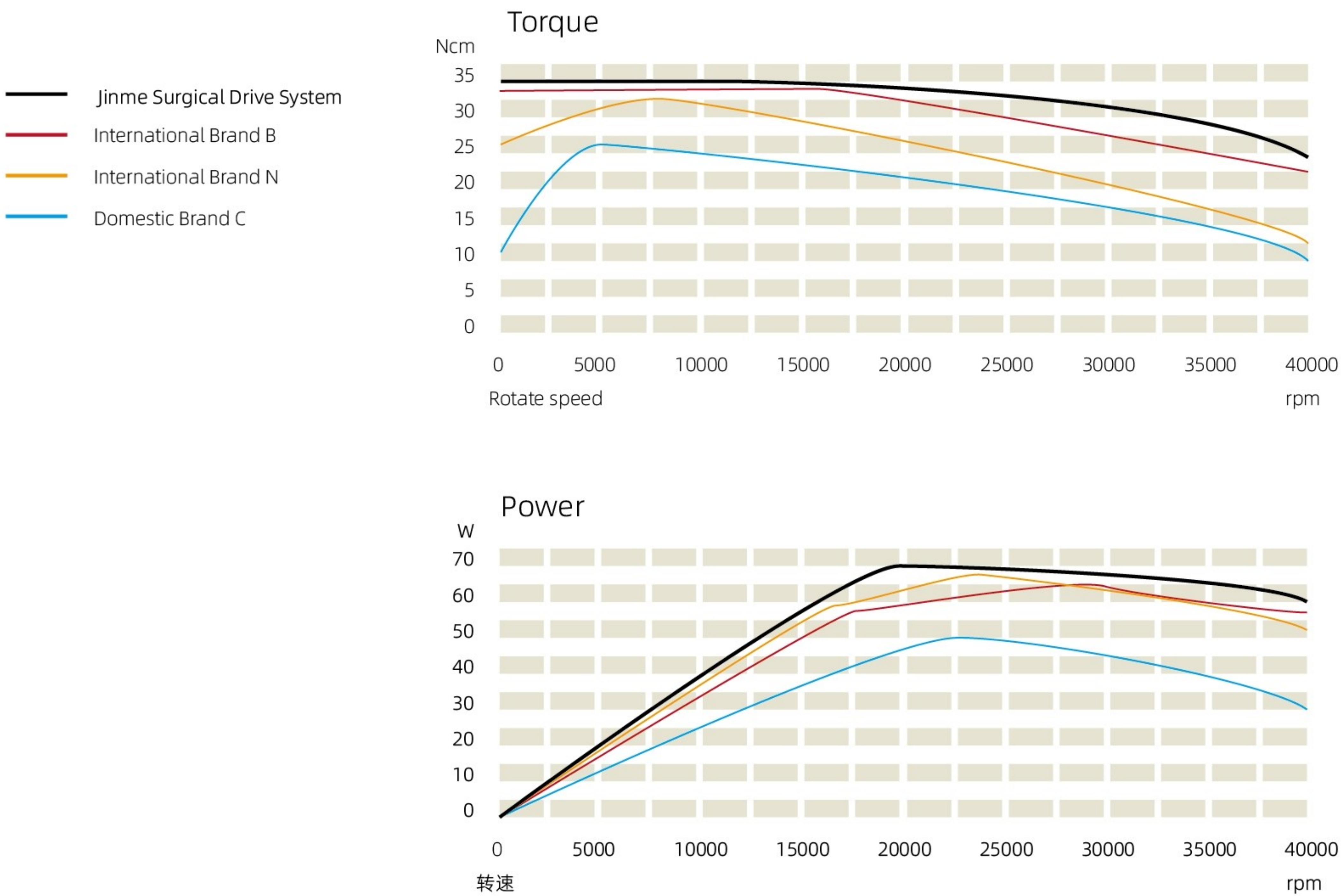
Swiss Motor

It allows dentists to operate more stably and finely.



Swiss motor, stable energy output, minimum speed 100rpm/min

Imported chip driver board and brushless motor are used to keep the Surgical Drive System, accurate and quiet for a long time!



*The above data is obtained by testing in Jinme's laboratory.



High and constant torque (Electric Drive)

The output torque is high and constant (2.5N-cm), and the efficiency of crown-breaking and pulp-opening is several times higher than that of highspeed turbine handpieces, rapidly increasing the speed of crown-breaking and tooth preparation, trimming and polishing, and avoiding bur jams and other situations.

Lower noise and quieter (Brushless Motor)

Noise is a fear for 70% of first-time dental patients. "Children's dental phobia" creates a lot of extra work for doctors to calm patients. Doctors who work with noise for long periods of time are prone to tinnitus, insomnia and other problems. When Jinme Surgical Drive System works, the doctor and the patient feel less vibration and noise than the turbine handpiece, which makes them feel more comfortable and relaxed.

Finer restoration of teeth (Constant Power)

The Surgical Drive System is far more stable and comfortable to operate than ordinary turbine handpieces, making the grinding surface flatter and smoother, while taking less time and being more efficient.

More efficient than turbine handpiece (Good Performance)

The Surgical Drive System can improve about 20% of work efficiency, and the clinic admission volume can be increased by 20%-30%. The speed of the bur can be accurately set to help new doctors to quickly become proficient in the operation, solving the previous problem of having to rely entirely on experience to become familiar with the operation of turbine handpieces.

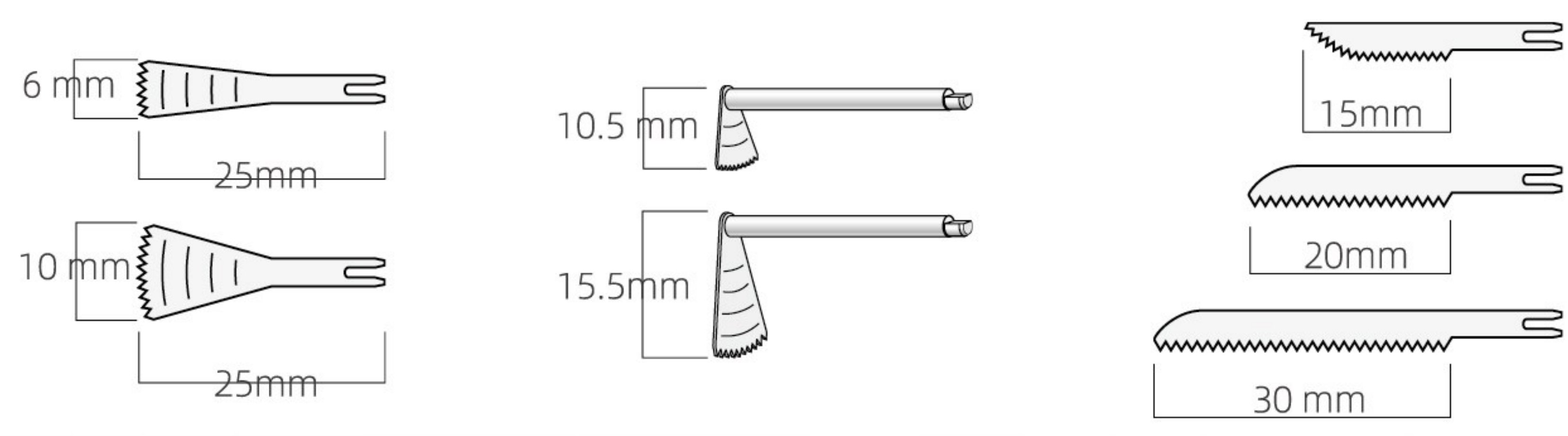
Obtain extraordinary cutting efficiency

Fast, Powerful and Durable

Arrow-shaped saw blade (sector-shaped)
Cutting direction parallel to the axis
Low Vibration, Removable

Oscillating Saw Blades (shape-7)
Cutting direction perpendicular to axis
Low Vibration, Removable

Reciprocating saw blade (straight tooth)
Forward/Backward cutting direction
Low Vibration, Removable



Fast, Powerful and Durable.The handpiece is specially designed for bone extraction and osteotomy,The original cutting efficiency is maintained even after several years of continuous use at maximum.

Specifications



Model	E8
Main system size (excluding water tank)	L260mm x W2408mm x H110mm
Water tank size	L214.8mm x W109.8mm x H81mm
Input voltage	AC 220V
Range	±10%
Rated current	0.1A-0.8A
Supply frequencies	50Hz/60Hz
Power fuse	2*250V-T1.25AH
Maximum power consumption	180VA
Cooling water flow at 100%	Above 50ml/min
Spray gas supply	Above 1.5L/min
Recommended water and hardness	Hardness of distilled/pure water < 6.5mmol/L
Recommended coolants	Distilled/Pure Water
Suspended maximum allowable load	≤1.5KG

Model	Motor Head Configuration
Type	No carbon brushes, built-in water spray
Maximum torque	> 1N·cm
Rotation speed	100-4000rpm
Weight	72g
Connection	ISO 3964(YY1012)
Light	LED
Autoclave	Motor head can be sterilized(with protective cap)
Noise	53dB, YY0836
Size of motor	20mm
Product name	Electric motor

Speed ratio	1:4.2	1:1	1:5
Connection	Compatible with all kind of E type connectors	Compatible with all kind of E type connectors	Compatible with all kind of E type connectors
Rotating speed	Maximum16,800rpm	100rpm-40,000rpm	Maximum 20,000rpm
Weight	60g	71.5g	69.3g
Size of motor	φ9.6 x H14.4 mm	φ9.8 x H14.3 mm	φ10 x H14.4 mm
Noise	≤60dB	≤60dB	≤60dB
Water spray	Triple spray	Single	Triple spray
Light	Fiber optic	Fiber optic	Fiber optic
Chucking type	Push-bottom type	Push-bottom type	Push-bottom type

Model	XTDZ-7-R	XTDZ-8-S	XTDZ-10-O
Drive ratio	3.2:1	4:1	4:1
Stroke angle	1.8mm	3°	17°
Frequency	12,300	12,300	12,300
Maximum drive speed	40,000min-1	40,000min-1	40,000min-1
Direction of movement	Reciprocating up and down	Reciprocating back and forth, cutting direction parallel to the axis	Reciprocating left and right, cutting direction perpendicular to axis

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