

USS-200

Ultrasonic Scalpel System



Product Introduction

1. Through ultrasonic cavitation effect and high-frequency mechanical vibration, USS-200 Rebirth Knife changes the structure and state of proteins in animal tissues, and utilizes self-developed high-efficiency energy transfer and self-adaptive tissue frequency tracking technology to effectively complete tissue cutting, cleaning, coagulation and other operations.
2. The Rebirth Knife Series contain three different functional scalpels, suitable for laparoscopic and open surgery in all types of animal medical facilities.

Applicable Surgeries

Veterinary ultrasonic scalpel is suitable for 95% of veterinary surgeries: Hepatobiliary, Head and Neck, Breast, Urinary, Thoracic, Gastrointestinal, Ophthalmic, ENT, Minimally invasive, Sterilization Procedures

Technical Specifications

Parameter	
Frequency of Output	55.5kHz
Peak Power	45W
Cutter Head Diameter	5.5 mm
Cutting Gear Position	Grades 1 to 5
Weight of Generator	2.85 kg
Power Input	220V / 50Hz
Shock Protection Grade	CF-Type / Class I

Instrument Parameters

Website: www.hqs-vetcare.com

Add: Room 402, Unit 6, Building 27, Pingchou District 2, Jiangdong Street,
Yiwu, Jinhua, Zhejiang Province

Electric Shock Protection Grade	CF-Type Components
Types of Electric Shock Protection	Class I equipment
Main Power Input	Voltage: 220V Frequency: 50Hz Power: 200VA
Output	Voltage: 200VAC (peak) Power: 45w (peak) Frequency: 55.5KHz
Operating Conditions	Temperature: 10°C to 30°C Humidity: 30-70%, no condensation Atmospheric pressure range: 70KPa-106KPa
Transportation and Storage Conditions	The products should be prevented from heavy pressure, collision, direct sunlight and snow and rain, and should be stored in a dry, clean, non-corrosive gas and well-ventilated room. Temperature: -20°C to +55°C Humidity: 10-93%, no condensation Atmospheric pressure range: 70KPa-106KPa

Advantage

Strong Anti-adhesion

Low operating temperatures, no eschar or carbonization.

Adjustable Operating Speed

Low lateral thermal damage, with five adjustable cutting speeds.

Clear Vision

Curved jaw design with larger viewing area; less smoke during surgery, guaranteeing the surgeon to obtain the best surgical field of view.

Stable and Reliable

No current through the animal, outputting energy stably and coagulating blood vessels under 5mm (including 5mm) safely.

High Flexibility

360~ operating angle, adjustable and flexible.

High Safety

The range of thermal damage is less than 1.5mm (data measured from the slices), reducing damage of surrounding tissues.

Easy to Care

The diameter of the blade is only 5.5mm, minimally invasive surgery with small incisions and quick recovery after surgery. Less pain for pets, easier care for owners.

Compact and Lightweight

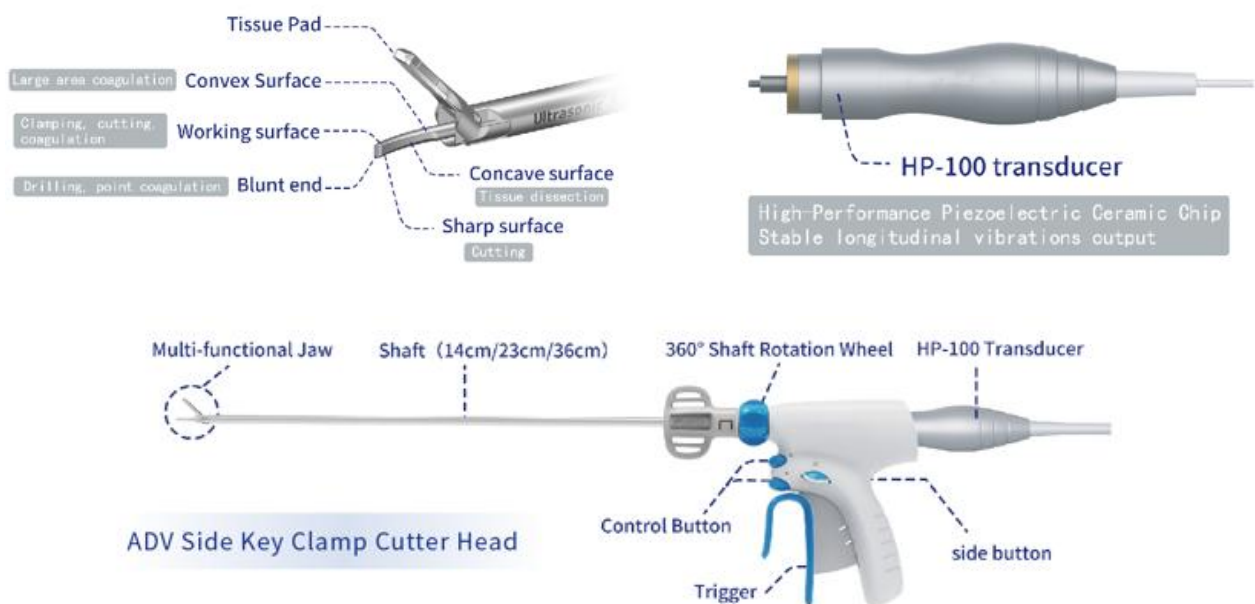
Designed by a professional team, weighing only 2.85KG and occupying little surgical space.

Ultra-low Thermal Damage

The range of lateral thermal damage is less than 1.5mm, reducing damage of surrounding tissues.

Product Detail Description

Tissue Pad: Made of PTFE, passed the biocompatibility test. Extremely dense serrated structure with serrations less than 0.5mm apart, providing greater grip and avoiding disengagement from the jaw during tissue cutting.



MAX key: used for cutting and coagulation of vessels below 3mm

MIN key: used for cutting and coagulation of vessels below 5mm

ADV key: 1. For safe cutting and coagulation of vessels below 5mm 2. Design more in line with ergonomic mechanics

Considering the safety, effectiveness and operation efficiency, we recommend that the first, second and third gears are used for the closure of 3mm-5mm vessels (including 5mm), and the fourth and fifth gears are used for the closure of vessels less than 3mm(including 3mm) and tissue cutting. Within the recommended range, the user can judge the required gear according to the actual situation and experience.

(Compared with MIN bond, the cutting speed of ADV key will be slightly reduced, but the safety margin of vascular burst pressure is higher, that is, the vascular coagulation is safer and more complete)

Core Function

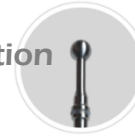
Knife-shaped Rebirth Knife
Cutting—Cutting of Bone and Skin Tissue



Annular Rebirth Knife
Cleaning—Excision and Cleaning of polyps and Lesions



Spherical Rebirth Knife
Coagulation—Intracavitary and body surface coagulation of disseminated and intravascular haemorrhage.



Standard Configuration

Main Unit (Generator) ——1pc
Scalpel (14cm) ——1pc
Scalpel (23cm) ——1pc
Scalpel (36cm) ——1pc
Transducer ——2pcs
Silicone Sheath ——2pcs
Spherical Rebirth Knife ——2pcs
Annular Rebirth Knife ——2pcs
Knife-shaped Rebirth Knife ——2pcs
Wrench ——2pcs
Foot Pedal ——1pc
Power Cord ——1pc

*Note: You can choose any 3 sizes of scalpel as own demands.