ReinnoVet

RBK-200

Multifunctional Ultrasonic Surgical System

A Dual-Interface Ultrasonic Platform for Advanced Veterinary Surgery

RBK-200 is a multifunctional ultrasonic surgical system designed for a broad range of veterinary procedures. Its dual-interface main unit supports both the ADV side-button ultrasonic forceps blade and dedicated knife-shaped, ball-shaped and loop-shaped ultrasonic tips, integrating soft-tissue cutting, vessel sealing, surface coagulation and lesion treatment into one versatile platform.



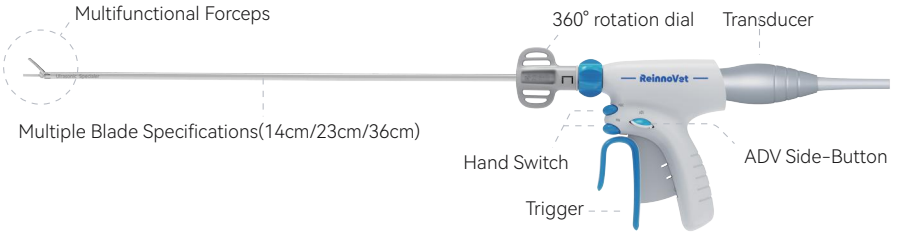
55.5 kHz	45 W	Up to 5 mm	Levels 1-5
Output Frequency	Peak Power	Vessel Sealing Capacity	Cutting Levels

2.85 kg	AC 220 V, 50 Hz	CF-Type / Class I
Unit Weight	Power Input	Shock Protection

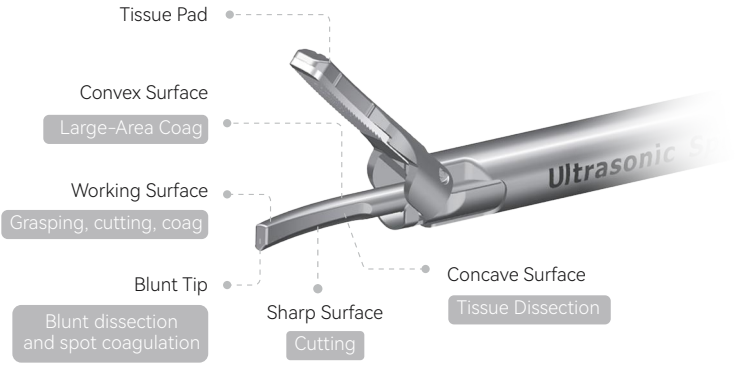
RBK-200 Blade and Instrument Configuration

A. ADV Ultrasonic Forceps Blade Configuration

- **RBK-200 | ADV Side-Button Ultrasonic Forceps Blade**

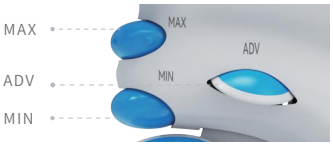


Available in 14 cm, 23 cm and 36 cm lengths





High-performance piezoelectric ceramic chip with stable amplitude output



MAX button: faster cutting and sealing of vessels up to 3 mm

MIN button: reliable sealing of vessels up to 5 mm

ADV button:
enhanced sealing mode for vessels up to 5 mm, designed for improved ergonomics and a higher sealing safety margin.

Levels 1–3:
Recommended for sealing vessels from 3 mm to 5 mm in diameter.

Levels 4–5:
Recommended for vessels and tissue of 3 mm or less, as well as for tissue cutting.
Users may select the appropriate level based on the clinical situation and operating experience.

> Compared with MIN, ADV offers a slightly lower cutting speed but provides a higher burst-pressure safety margin for safer and more reliable vessel sealing.

B. Dedicated Multifunctional Ultrasonic Tips

- RBK-200 | Ultrasonic Surgical Tips





Ball Ultrasonic Tip

Designed for broad-area coagulation of diffuse bleeding in the oral cavity and on body surfaces, as well as spot coagulation of small bleeding points.



Loop Ultrasonic Tip

Designed for resection and removal of polyps or superficial lesions, with simultaneous coagulation.



Knife Ultrasonic Tip

Designed for soft-tissue and skin cutting, trimming and dissection, with simultaneous coagulation.

> The dedicated RBK-200 ultrasonic tips expand the platform beyond conventional forceps-based cutting and vessel sealing, supporting surface coagulation, lesion treatment, tissue trimming and precise soft-tissue manipulation.

Technical Advantages

01

Minimal Thermal Damage

Thermal spread < 1 mm
Protects surrounding tissue

02

Tissue-Adaptive Algorithm

Real-time frequency tracking
Intelligent energy adjustment

03

ADV Side-Button Control

Convenient mode switching
Enhanced vessel sealing safety

04

Strong Anti-Adhesion Performance

Less eschar formation
Fewer surgical interruptions

05

Low Smoke Generation

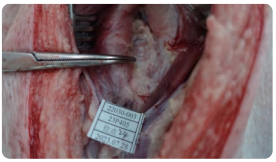
Less smoke during cutting
Clear surgical field of view

06

Multifunctional Ultrasonic Tips

Knife, ball and loop tip portfolio
Expanded coagulation and lesion-treatment applications

Proprietary Tissue-Adaptive Energy Algorithm



Thyroid Resection Surgical Site



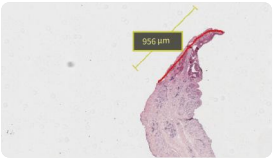
Excised Thyroid Specimen



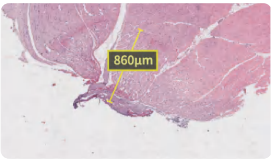
Recovery of the Resection Site 28 Days Post-Operation

Good wound healing, with no infection, bleeding, or hematoma observed.

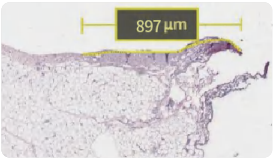
Controlled Lateral Thermal Damage



Uterine Mesentery Section (956 μm)



Muscle Section (860 μm)



Small Intestinal Mesentery Section (897 μm)

Lateral Thermal Damage

The distance from the farthest point of tissue degeneration to the cutting surface. For blood vessels, lateral thermal damage refers to the distance along the tissue edge. For non-vascular tissue, it refers to the linear distance.

- Animal Study





Data and images are from in vivo porcine studies conducted using the ReinnoVet ultrasonic surgical platform.

Applicable Surgeries

