ReinnoVet

Advancing Veterinary Electrosurgery
for Animal Health Worldwide

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Product Brochure

PROFESSIONAL



PREMIUM

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INNOVATIVE





CONTENTS

01
Brand Introduction
01

02
Product Portfolio
03

03
Ultrasonic Surgical System
UG-100 / RBK-200
05

04
Electrosurgical Energy Platform
EP-200 / EP-300
11

05
RF Tumor Ablation System
RFA-100
24

06
Technical Patents
29

07
After-Sales Service
31

For Safer, More Precise, and More Efficient Surgery

ReinnoVet is a veterinary electrosurgery brand operated by Shanghai Ruisu Youchong Electronic Technology Co., Ltd. and supported by the R&D capabilities of Shanghai Ruisu Chuangsheng Medical Technology Co., Ltd. Backed by the University of Shanghai for Science and Technology, the Institute of Medical-Engineering Interdisciplinary Research, and the Shanghai Innovation Center for Advanced Medical Equipment, ReinnoVet focuses on advanced energy-based surgical solutions for veterinary hospitals and clinics.



ReinnoVet upholds the brand philosophy of “Professional, Premium, and Innovative.” Through continuous technological breakthroughs, it has developed a product portfolio covering three core fields: ultrasonic energy, electrosurgery, and tumor ablation, providing precise, safe, and efficient surgical solutions for veterinary hospitals and clinics worldwide.

PROFESSIONAL

PREMIUM

INNOVATIVE



Responding to animal clinical needs with engineering-driven design.

Engineering-Driven Energy Control for Veterinary Surgery

System-Level Energy Control

With feedback mechanisms and energy-control algorithms at its core,it delivers stable output across different tissue states, keeping surgical energy within a predictable range.

Veterinary Clinical Adaptation Design

Optimizes output logic and operation methods for pet and animal clinical scenarios, reducing the learning curve for veterinarians and improving consistency in clinical operation.

Multi-Scenario Surgical Coverage

Covers soft-tissue surgery, electrosurgical energy applications,and related veterinary surgery scenarios, supporting clinical needs across multiple animal sizes and tissue types.

Long-Term Stability and Engineering Reliability

Built around stable device output and system reliability as core design goals for high-frequency clinical use.





Standardized Manufacturing & Cleanroom Environment

PRODUCT PORTFOLIO

Ultrasonic Scalpel Series



UG-100

High-Performance Veterinary Ultrasonic Scalpel System

Proprietary veterinary ultrasonic surgical system with an ADV Side-Button,suitable for high-precision soft-tissue cutting and sealing.

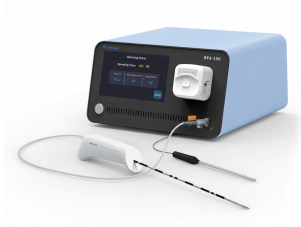


RBK-200

Multifunctional Veterinary Ultrasonic Surgical System

A multifunctional ultrasonic surgical system combining an ADV ultrasonic blade with knife-shaped, ball-shaped and loop-shaped ultrasonic tips for cutting, coagulation and lesion treatment.

RF Ablation System



RFA-100

Precision RF Tumor Ablation System for Animals

A proprietary dual-variable feedback control algorithm enables real-time monitoring of temperature and tissue impedance for precise tumor ablation.

Energy Platform Series



EP-200

Intelligent Electrosurgical Generator with Vessel Sealing System

With an expanded port configuration and stable output performance, EP-200 is suitable for complex procedures, high-volume surgical use, and veterinary applications requiring greater operating efficiency.



EP-300

Intelligent Electrosurgical Generator with Vessel Sealing System

EP-300 integrates HF monopolar, HF bipolar, and intelligent large-vessel sealing functions, covering cutting, coagulation, and vessel sealing for common veterinary surgical needs.

Comprehensive Surgical Energy Solutions for Veterinary Care

From soft-tissue cutting and coagulation to precise ablation therapy, meeting diverse department and procedure needs

Our product portfolio continues to expand, covering more veterinary surgical scenarios.

01

Advanced Ultrasonic Surgical System

UG-100 Standard Model & RBK-200 Multifunctional Model

UG-100 is designed for routine ultrasonic soft-tissue cutting and vessel sealing. RBK-200 builds on the ultrasonic platform and supports knife-shaped, ball-shaped and loop-shaped ultrasonic tips, expanding its applications in tissue cutting, coagulation and lesion treatment across a wider range of veterinary procedures.



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

Working Principle

The ReinnoVet Advanced Ultrasonic Surgical System uses high-frequency vibration to denature tissue proteins for refined soft-tissue cutting and sealing. The blade vibrates longitudinally at 55.5 kHz with an amplitude of 40-80 µm, generating controlled frictional heat below 100°C for tissue coagulation, with low smoke and limited thermal spread.

System Components

Model	Main Unit	Instrument Configuration	Footswitch Config	Key Features
UG-100	Ultrasonic Main Unit	ADV Side-Button 3 optional lengths (14cm/23cm/36cm)	No Footswitch	Ultrasonic cutting + advanced sealing
RBK-200	Dual-Interface Main Unit	ADV Side-Button Ultrasonic Blade + Knife, Ball and Loop Ultrasonic Tips	Standard Footswitch	Ultrasonic cutting, vessel sealing, surface coagulation and lesion treatment

The ADV ultrasonic blades used with UG-100 and RBK-200 are compatible. RBK-200 further expands the platform with dedicated knife-shaped, ball-shaped and loop-shaped ultrasonic tips for broader surgical applications.

Standard Model
UG-100



Stable and reliable for basic needs

PRODUCT UPGRADE

Multifunctional Model
RBK-200

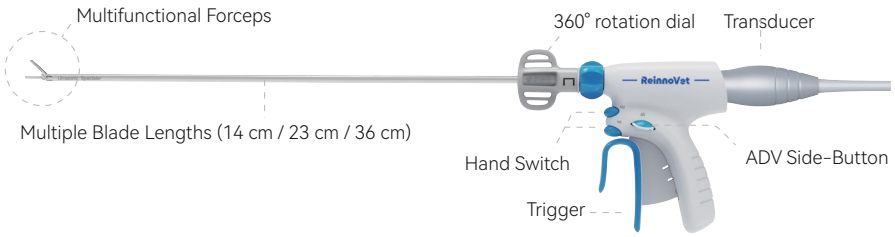


Full performance upgrade for a better experience

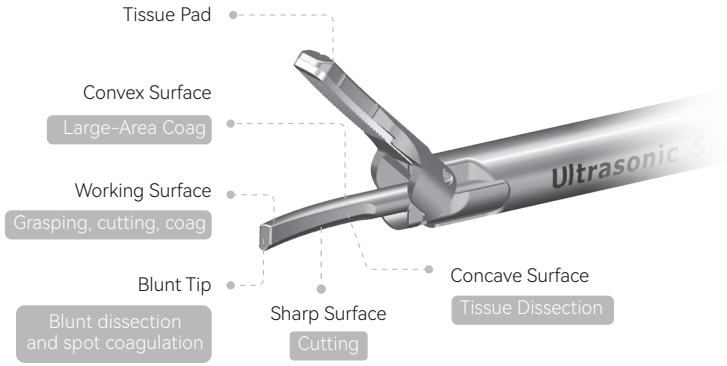
Blade and Instrument Configuration

A. Ultrasonic Blade and Transducer Configuration

- **UG-100, RBK-200 | ADV Side-Button Ultrasonic Forceps Blade**

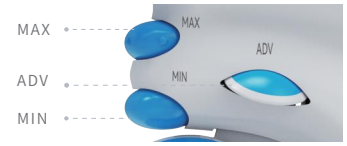


(Optional 14 cm / 23 cm / 36 cm ADV side-button ultrasonic blade)





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.

Considering safety, efficacy, and operating efficiency, Levels 1, 2, and 3 are recommended for sealing blood vessels from 3 mm to 5 mm in diameter, including 5 mm. Levels 4 and 5 are recommended for sealing blood vessels and tissue of 3 mm or less, including 3 mm, as well as for tissue cutting. Within the recommended power level range, users may select the appropriate level based on the actual clinical situation and their 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. RBK-200 Multifunctional Ultrasonic Tips

- **RBK-200 | Ultrasonic Surgical Tips**





Ball Ultrasonic Tip

For broad-area coagulation of diffuse bleeding on the oral cavity and body surface, as well as coagulation of small bleeding points.



Loop Ultrasonic Tip

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



Knife Ultrasonic Tip

For cutting and trimming soft tissue and skin, with simultaneous coagulation.

Designed for the dedicated RBK-200 tip interface, these ultrasonic tips are suitable for soft-tissue cutting, trimming, coagulation and lesion treatment.

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

Dynamic output adjustment
Safer vessel sealing

04

Strong Anti-Adhesion Performance

Less eschar formation
Reduces surgical interruptions

05

Low Smoke Generation

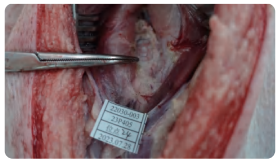
Less smoke during cutting
Clear surgical field of view

06

Multifunctional Ultrasonic Tips (RBK-200)

The ADV ultrasonic blade and dedicated ultrasonic tips are integrated into one platform to meet broader clinical needs.

Product Innovation: Proprietary Algorithm



Thyroid Resection Surgical Site



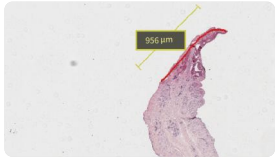
Excised Thyroid Specimen



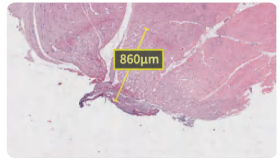
Recovery of the Resection Site 28 Days Post-Operation

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

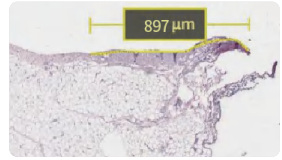
Minimal Thermal Damage



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.

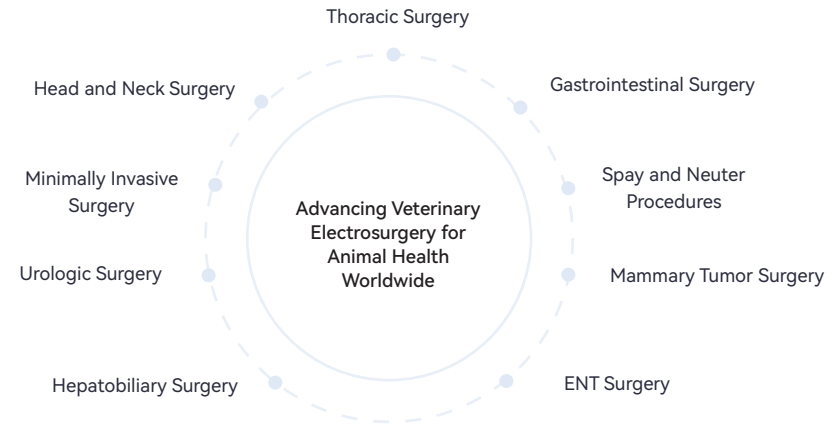
Animal Study





Data and images are from ReinnoVet ultrasonic scalpel in vivo porcine studies.

Applicable Surgeries



Model Selection Tips

Scenario	Veterinary hospitals mainly performing routine soft-tissue procedures with limited budget	Diverse surgical needs requiring precise cutting, coagulation and lesion treatment	Focus on minimal thermal damage and faster postoperative recovery
Model	UG-100	RBK-200	Either model is suitable; RBK-200 offers more comprehensive functionality

The blade tip must not come into contact with hard objects to avoid blade breakage.

02

Intelligent Electrosurgical Generator with Vessel Sealing System

EP-200 Advanced Model & EP-300 Standard Practical Model

EP-200 and EP-300 both belong to the EP Series Intelligent Electrosurgical Energy Platform. EP-200 is positioned as an advanced expansion model with a more complete configuration, while EP-300 is positioned as a standard practical model that retains core energy functions and is suitable for routine use in veterinary hospitals.



Series Options

The EP Series Intelligent Electrosurgical Energy Platform integrates monopolar, bipolar, and intelligent large-vessel sealing functions. With tissue-adaptive technology and an intelligent energy management system, it provides stable, precise, and efficient intraoperative energy control for veterinary surgery.

Based on the surgical scale, equipment configuration, and expansion needs of different veterinary hospitals, the EP Series offers two model options: EP-200 and EP-300.

EP-200
Advanced Expansion Model



- Dual monopolar ports
- More complete expansion capability
- Suitable for complex procedures and high-frequency surgical scenarios

EP-300
Standard Practical Model



- Complete core functions
- Simplified configuration
- Suitable for routine veterinary surgery

Shared Core Capabilities

Monopolar Mode 01
Supports pure cut, blend cut 1/2/3, coagulation, and other monopolar functions.

Bipolar Mode 02
Standard mode + MACRO enhanced mode, compatible with various bipolar instruments.

Intelligent Large-Vessel Sealing 03
Automatically recognizes tissue status and detects impedance changes 450,000 times per second.

Tissue-Adaptive Algorithm 04
Real-time impedance detection and energy adjustment 100 times per second to minimize thermal damage.

Return Electrode Monitoring System 05
Real-time monitoring of return electrode contact quality to help prevent electric burns.

Interactive Touchscreen 06
High-resolution interactive interface for intuitive operation and improved surgical efficiency.

Main System Components

Component	EP-200	EP-300
Main Unit	1	1
Electrosurgical Pencil	2	1
Bipolar Coagulation Forceps	1	1
Large-Vessel Sealing Instrument	1	1
Three-Button Footswitch	1	1
Electrosurgical Snare	Optional	Optional

Actual configurations may vary depending on the market and order requirements.

Model Configuration Comparison

Comparison Item	EP-200	EP-300
Product Positioning	Advanced Expansion Model	Standard Practical Model
Monopolar Port	Dual Ports	Single Port
Electrosurgical Pencil Configuration	2 pcs	1 pc
Bipolar Mode	Standard Mode + Intelligent Mode + Silver-Nickel Alloy Bipolar Forceps	Standard Mode + Intelligent Mode + Stainless-Steel Bipolar Forceps
Large-Vessel Sealing	Supported	Supported
Return Electrode Monitoring	Supported	Supported
Applicable Scenarios	Complex procedures, high-frequency surgeries, and multi-instrument switching	Routine surgery and basic configuration needs
Core Advantage	Expansion capability and operating efficiency	Complete functions and high cost-effectiveness



Main Unit

The main unit delivers high-frequency energy through the electrode to enable tissue cutting and coagulation, while the return electrode monitoring system helps reduce the risk of burns.
The intelligent algorithm dynamically adjusts energy delivery based on tissue impedance, supporting fast and reliable vessel sealing while reducing thermal impact on surrounding tissue.



Monopolar Electrosurgical Pencil

The monopolar electrosurgical pencil is used for five cutting functions and three coagulation functions in monopolar mode. Different electrode types, including blade, needle, ball, and loop electrodes, can be selected according to surgical needs.



Bipolar Coagulation Forceps

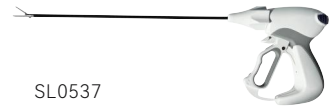
The bipolar coagulation forceps can be used in Standard Mode and Intelligent Mode for precise bipolar coagulation. Tissue cutting is available only when the generator is used with compatible bipolar cutting instruments.

Large-Vessel Sealing and Cutting Instrument

The large-vessel sealing and cutting instrument is suitable for vessel sealing procedures.



SL1220



SL0537



SL5300S



Three-Button Footswitch

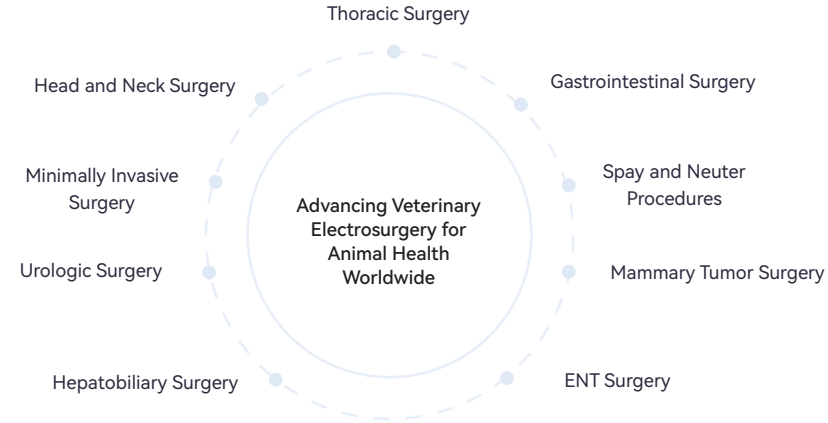
The footswitch supports two modes: electrosurgical mode and vessel sealing mode.
In electrosurgical mode, the yellow pedal corresponds to monopolar cutting, the white pedal to bipolar mode, and the blue pedal to monopolar coagulation.
In vessel sealing mode, the yellow pedal corresponds to monopolar cutting, the white pedal to large-vessel sealing, and the blue pedal to monopolar coagulation.

Front Panel Functions





Applicable Procedures



Model Selection Guide

Choose EP-200

Suitable for the following situations:

- High surgical volume
- Diverse procedure types
- Frequent switching between monopolar instruments
- Higher requirements for device ports and expansion capability
- Preference for a more complete, high-configuration energy platform

Choose EP-300

Suitable for the following situations:

- Mainly routine soft-tissue procedures
- Need for monopolar, bipolar, and large-vessel sealing functions
- Greater focus on basic configuration and cost balance
- Preference for an easy-to-operate, fully functional energy platform

Technical Highlights

01 Intelligent Energy Management System

The R&D team has independently developed an intelligent algorithm and tissue-adaptive algorithm, enabling automatic adjustment of electrosurgical cutting and large-vessel sealing energy output according to tissue characteristics.

In adaptive intelligent modes, manual parameter setting is minimized, helping reduce workload, lower dependence on operating experience, and improve procedural consistency.

02 Efficient Bipolar Mode

The bipolar interface supports both Standard Mode and Intelligent Mode to flexibly meet different surgical needs:

1. **Standard Mode** is compatible with most bipolar instruments and provides stable energy output.
2. **Intelligent Mode** automatically adjusts voltage and power to achieve rapid cutting and coagulation, shortening procedure time and improving surgical efficiency.

03 Optimized Large-Vessel Sealing Interface

The platform is fully compatible with the large-vessel sealing system. Through intelligent algorithms, it delivers accurate energy output and algorithm-based energy delivery control for vessels and tissue bundles, enabling fast and durable tissue sealing while reducing sealing time and damage to adjacent tissue. This supports faster postoperative recovery and less discomfort for animals.

04 Multifunctional Integration and Expandability

The platform supports connection with multiple surgical instruments, providing long-term investment value for hospitals and operating rooms.

In the future, the ReinnoVet Intelligent Energy Platform can be further expanded to support ultrasonic scalpel, Rebirth Knife, ultrasonic bone knife, and other electrosurgical functions, along with additional upgrades and services.

05 Safe Return Electrode Monitoring System

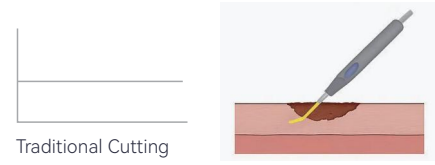
The platform is equipped with a return electrode monitoring system that continuously monitors the contact quality between the return electrode pad and the animal, helping prevent current concentration caused by poor contact. This reduces the risk of tissue burns at the return electrode site and improves surgical safety.

Intelligent Electrosurgical Cutting

No manual parameter setting required — intelligent operation with one-touch control

The Intelligent Electrosurgical Energy Platform is equipped with a dedicated tissue-adaptive algorithm to ensure efficient and precise tissue cutting.

This mode automatically identifies tissue status and adjusts output parameters in real time, optimizing both cutting speed and low thermal damage in electrosurgical cutting mode.



Monopolar Mode

Five Cutting Modes

01 Pure Cut

For rapid full-thickness resection and precise excision of lesion tissue. The coagulation effect in Pure Cut mode is relatively weak.

02 Blend Cut 1

For relatively fast cutting and coagulation of lesion tissue with minimal bleeding.
Outputs a cutting waveform with a 70% duty cycle.

03 Blend Cut 2

For medium-speed cutting and coagulation of lesion tissue with moderate bleeding.
Outputs a cutting waveform with a 50% duty cycle.

04 Blend Cut 3

For slow cutting and coagulation of lesion tissue with heavier bleeding.
Outputs a cutting waveform with a 30% duty cycle.

05 Intelligent Cut

Three Coagulation Functions

01 Soft Coagulation

Heats tissue at a slower rate with increased thermal penetration depth. Suitable for deep tissue coagulation requiring high coagulation stability. A ball electrode is commonly used.

02 Spot Coagulation

The electrode generates sparks that pass through the air to coagulate tissue, enabling precise coagulation of a small targeted area.

03 Surface Coagulation

The electrode spark spreads over a wider area, coagulating a larger tissue surface. Suitable for broad-area tissue coagulation.

Bipolar Mode

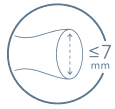
Standard Mode

Suitable for most bipolar instruments, including bipolar scissors and bipolar forceps. It enables precise coagulation, and tissue division when used with compatible bipolar cutting instruments, with generally lower lateral thermal spread than monopolar instruments.

Intelligent Mode

Compared with Standard Bipolar Mode, Intelligent Mode uses an intelligent algorithm to provide more stable and precise output power control. It can be used for precise cutting or coagulation.

Intelligent Large-Vessel Sealing Mode



Suitable for sealing veins, lymphatic vessels, and tissue bundles up to 7 mm in diameter

Through an intelligent algorithm, the system provides dynamic and accurate energy output and algorithm-based energy delivery control for large-vessel sealing. This allows the tissue to achieve reliable vessel sealing within a preset time, completing the fusion of tissue and the vessel lumen.



Reduces vessel sealing time by 50%

With precise algorithm-based energy delivery management, the ReinnoVet Intelligent Electrosurgical Energy Platform, when used together with the large-vessel sealing instrument, can reduce vessel sealing time by 50% while minimizing adhesion, eschar formation, and thermal spread in adjacent tissue.

Return Electrode Monitoring System



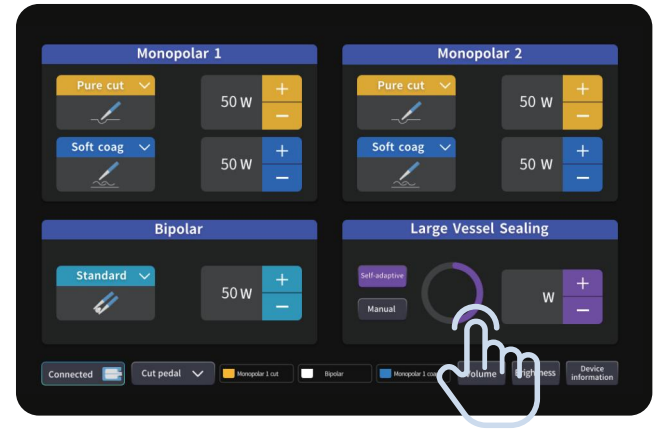
Real-time monitoring to reduce surgical risks

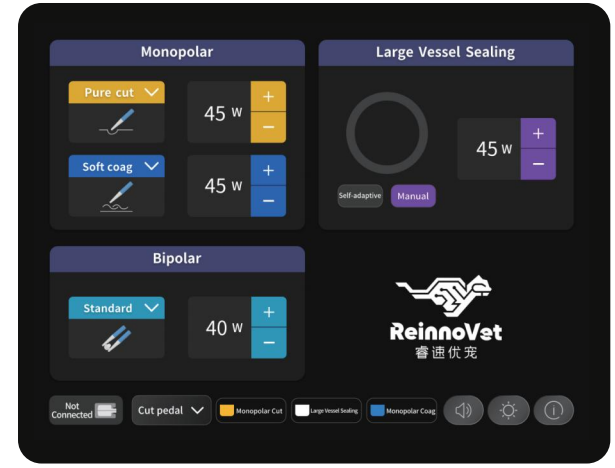
The built-in advanced monitoring system continuously ensures safe contact of the return electrode pad. In the event of accidental detachment or poor contact, the system automatically stops working, reducing the risk of accidental burns during surgery.

Interactive Touchscreen

High-resolution interactive touchscreen with a clean, intuitive interface and convenient operation

Quick settings and real-time monitoring help improve surgical efficiency, making it easy to manage surgical modes and energy output.



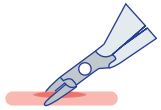


Intelligent Dual-Mode Energy Output Mechanism

Intelligent Electrosurgical Generator with Vessel Sealing System supports both **Manual Power Setting Mode and Adaptive Intelligent Mode,** adapting to different surgical complexities and surgeon operating habits.

Manual Mode

In conventional manual mode, the surgeon sets a fixed power level based on experience. This allows convenient operation, but has limited responsiveness to tissue differences and may increase the risk of excessive thermal injury, eschar formation, or sealing failure.

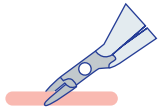


Constant Power Output

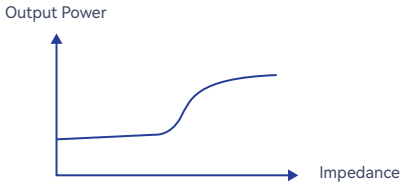


Automatic Mode

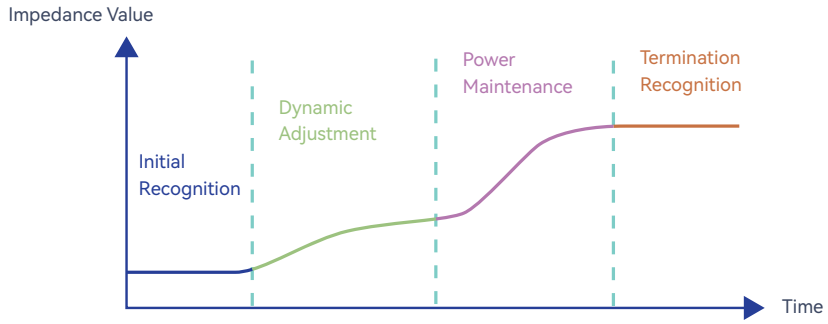
In adaptive intelligent mode, the system continuously monitors changes in tissue impedance, automatically identifies tissue type and sealing status, and adjusts energy output in real time. This enables closed-loop control, significantly improving sealing performance and intraoperative safety.



Dynamic Energy Output Adjustment



Intelligent Sealing Process Diagram

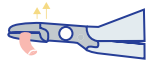


Initial Recognition



Detects tissue status and ensures that the impedance is suitable before initiating sealing.

Dynamic Sealing



Energy is adjusted in real time, with output controlled through dynamic impedance feedback.

High-Impedance Termination



When the preset impedance value is reached, energy output automatically stops, indicating successful sealing.

SUMMARY

The EP combines **Manual Power Setting Mode** and **Adaptive Intelligent Mode**, balancing surgeon operating habits, sealing efficiency, and intraoperative safety.

PRECISE RECOGNITION

DYNAMIC ADJUSTMENT

INTELLIGENT TERMINATION

EP-200 Specifications

Parameter	Value
Power Input	AC 220 V, 50 Hz
Peak Power	200W
Vessel Sealing Diameter	≤7mm
Electric Shock Protection	Class I / Type CF Applied Part
Main Unit Weight	5Kg
Main Unit Dimensions	442 mm×418 mm×170 mm

EP-300 Specifications

Parameter	Value
Power Input	AC 220 V, 50 Hz
Peak Power	200W
Vessel Sealing Diameter	≤7mm
Electric Shock Protection	Class I / Type CF Applied Part
Main Unit Weight	3 kg
Main Unit Dimensions	370 mm × 400 mm × 180 mm

03

RFA-100 Veterinary Radiofrequency Tumor Ablation System

RFA-100 is a veterinary radiofrequency tumor ablation system equipped with a proprietary dual-variable feedback control algorithm. By integrating radiofrequency energy, bioimpedance monitoring and temperature feedback, it supports precise, minimally invasive tumor ablation for companion animals such as dogs and cats.



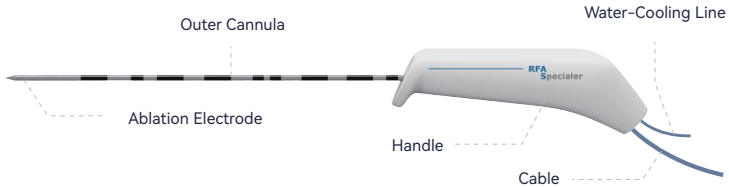
450kHz	50 W	AC 220 V, 50 Hz	6.5 kg
Radiofrequency	Peak Power	Power Input	Main Unit Weight

Class I / Type CF Applied Part	320 × 360 × 170 mm	Up to 4 cm
Electric Shock Protection	Main Unit Dimensions	Recommended Tumor Diameter

System Components

Component	Quantity	Description
RFA-100 Main Unit	1	Control console with built-in intelligent algorithm
Temperature Probe	1	Real-time temperature monitoring input
RF Ablation Needle Multiple Specifications	3	For recommended tumor diameters of 2 cm, 3 cm and 4 cm, depending on clinical assessment.
Return Electrode Pad	10	Completes the RF circuit and supports real-time contact monitoring

RF Ablation Needles, Multiple Specifications

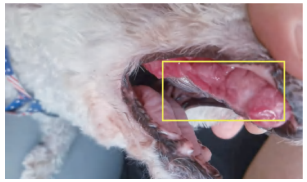


Temperature Probe

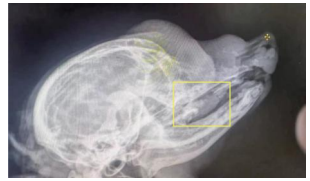


Before and After Images

Gentle ablation with clear boundaries



Before RF Ablation



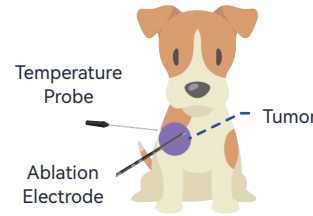
After RF Ablation

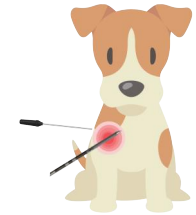


14 Days After Ablation

Ablation Mechanism

When radiofrequency current passes through tissue, ionic agitation generates resistive heating around the active electrode. Heat is then conducted into adjacent tissue, resulting in protein denaturation and coagulative necrosis within the target area. By controlling power, temperature, and ablation time, the system aims to create a defined ablation zone while limiting thermal injury to surrounding tissue.





Thermal Field Formation



Ablation Completed / Tumor Cell Death

Core Control Features

01 Dual-Variable Feedback Control Algorithm

Real-time monitoring of tumor tissue impedance and temperature changes, with dynamic adjustment of power and ablation time.

02 Intelligent Mode / Manual Mode

One-touch intelligent ablation without parameter setting; manual adjustment is also available for personalized operation.

03 Closed-Loop Temperature Probe Control

Closed-loop temperature control helps prevent central carbonization while helping maintain defined ablation margins.

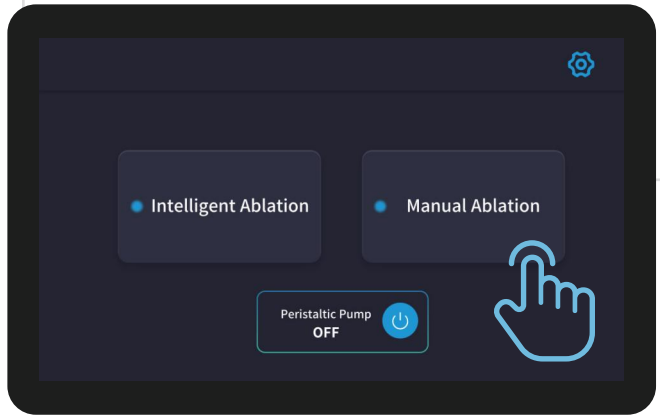
Technical Highlights

Precise Ablation, Less Pain

With dual monitoring of impedance and ablation margin temperature, the system provides real-time feedback on the ablation status of tumor tissue and precisely controls the ablation boundary. This helps prevent over-ablation, protects surrounding normal tissue and organs, and may help reduce surgical trauma and postoperative discomfort.

Fast and Efficient, Shorter Recovery

In Intelligent Ablation Mode, a single ablation session takes no more than 10 minutes, significantly improving surgical efficiency. After postoperative observation, recovery may be faster depending on the animal's condition and clinical assessment.



Dual-Mode Operation, Flexible Control

The main unit supports both Intelligent Ablation Mode and Manual Ablation Mode.

In Intelligent Mode, the built-in intelligent feedback control algorithm automatically adjusts and controls the entire ablation process, without requiring complex manual settings for output energy and ablation time.

Manual Mode meets personalized operating needs, offering greater flexibility and convenience.

Real-Time Parameter Monitoring

During ablation, key parameters such as temperature, power and impedance are updated in real time, making the ablation process clear and intuitive. The system automatically stops when ablation is completed, reducing the surgeon's workload and dependence on operating experience.

Reliable Safety Protection

The high-performance microprocessor intelligently identifies the contact status of the return electrode pad, effectively preventing overheating of the return electrode pad. With precise and stable power output, the system helps reduce the risk of adverse events and provides reliable protection for surgical safety.

Cost-Effective and Economical

Surgery can be performed with a one-time equipment investment, while the main unit can be used long term.

As a reusable RF ablation needle, it helps reduce per-procedure cost after validated cleaning and sterilization.

User-Friendly and Easy to Operate

Before surgery, the surgeon only needs to select the corresponding ablation needle specification according to the tumor size. Ablation treatment can then be started with one touch, making operation extremely simple.

The RF ablation needle adopts a tri-bevel needle design for stronger puncture performance, helping avoid damage to other tissue.

The device is equipped with a large touchscreen and an intuitive user interface, making operation easier to learn and master.

TECHNICAL PATENTS AND INTELLECTUAL PROPERTY RIGHTS

Technical Patents and Intellectual Property Rights

ReinnoVet is supported by the R&D capabilities of Shanghai Ruisu Chuangsheng Medical Technology Co., Ltd., a technology-driven company focused on energy-based surgical systems. The company has consistently followed a strategy of original technology development and proprietary intellectual property protection, with systematic coverage across software, hardware, algorithms, structures, circuits and key components.

ReinnoVet has obtained multiple software copyrights and granted patents in core fields such as veterinary electrosurgery, radiofrequency ablation and ultrasonic energy systems.

Granted Patents

Patent Name	Patent No.	Grant Date
A Robot System for Radiofrequency Ablation Surgery	ZL202310832700.6	March 8, 2024
A Method for Determining the Position of an Ultrasonic Surgical Device's Resonance Point	ZL202210731987.9	March 8, 2024
A Multi-Electrode Radiofrequency Ablation Needle	ZL202111370572.5	August 13, 2024
An Ultrasonic Scalpel Device for Real-Time Monitoring of Tissue Temperature and Adaptive Adjustment of Energy Output	ZL202321018275.9	October 18, 2023
An Ablation Needle with a Locking Mechanism	ZL202323470582.3	August 20, 2024

Software Copyright Registration

Software Name	Registration No.	Dev. Completion Date
Ultrasonic High-Frequency Integrated Surgical Equipment System V1.0.0	2024SR0040295	June 20, 2023
ReinnoVet Ultrasonic Surgical System Software V1.0.0	2024SR0020227	October 20, 2023
Radiofrequency Ablation Equipment Software V1.0	2023SR1398291	June 25, 2023
High-Frequency Electrosurgical Equipment Software V1.0	2023SR1301286	April 12, 2023

Certificate Display

Patent Certificates



Software Copyright Registration Certificates



AFTER-SALES SERVICE

Service Commitment

ReinnoVet always places customer satisfaction first. We provide professional after-sales service support throughout the entire process and product lifecycle, ensuring worry-free use of our equipment for every user. Whether you are in China or anywhere else in the world, we are committed to providing fast, reliable, and efficient service support.

01 Product Installation and Commissioning

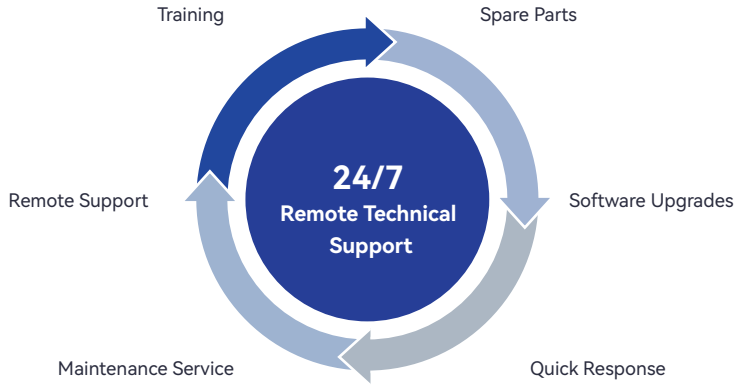
02 Clinical Operation Training

03 Remote Technical Support

04 Software System Upgrade

05 Fault Diagnosis and Maintenance

06 Spare Parts Supply and Replacement





Shanghai

Global R&D Center

Zhejiang Manufacturing Base

2,200 m^2+ manufacturing base for equipment assembly and production