Haier Biomedical
Intelligent Protection of Life Science

High Frequency Heat Sealing Machine

In blood collection and testing, every seal must be secure, sterile, and fast—because delays and contamination risks are not an option. Our High-Frequency Heat Sealing Machine is designed to meet these critical demands. Using advanced non-conductive radio frequency (RF) technology, it delivers reliable, sterile seals across a range of medical-grade materials including PVC, TPU, and EVA.

Benefits

Whether you're segmenting blood bag tubing, preparing blood components, or managing sample workflows in testing labs, this machine helps you:

01
Eliminate Cross-contamination Risks

02
Speed up Sealing Workflows

03
Ensure Consistent, High-quality Results

04
Real-time Monitoring

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Designed to Make Your Workflow Safer, Faster, and Smarter

Precision-engineered Sealing Every Time
Our patented surface-treated electrodes ensure consistent, reliable seals—reducing the risk of leakage or contamination in critical applications.

No Guesswork—just plug in and go
The machine automatically detects tubing thickness and adjusts sealing power, so every seal is perfect, no matter the material or diameter.

Adapts to Your Environment
Built-in temperature detection lets the system automatically adjust sealing mode to suit current conditions—maintaining performance without user intervention.

Tool-free Cleaning for Quick Turnarounds
The removable white safety cover can be easily cleaned between uses—no special tools required, saving you time and hassle.

Keeps Going through Long Shifts
With multiple cooling modes, this unit is built to run reliably for over 8 hours, ensuring uptime even during high-volume days.

Know the Status at a Glance
LED indicator lights show sealing status in real-time, keeping you informed and in control at every stage of use.

Designed with Staff in Mind
A simple built-in scale makes it easy to measure tubing length quickly, aiding in consistent sealing and documentation.

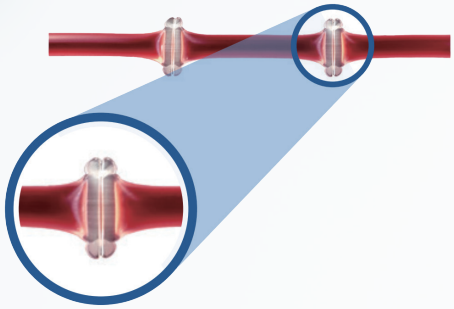
Comprehensive Safety System Built in
Equipped with air heat sealing alarms, liquid detection, and protection protocols, this machine prioritizes safety alongside performance.

Applications

Biopharmaceutical

Medical Research

Blood Collection Institution



Achieve a clean, reliable seal in just 0.5 to 2 seconds—with a smooth finish that protects blood cells and helps prevent hemolysis.

Smart recognition of tubing thickness ensures optimal sealing power every time. When required, the sealing width can be easily adjusted manually.

Tool-free maintenance—the safety cover is quick to remove and easy to clean, helping you maintain hygiene with minimal downtime.

Built-in voltage protection and safety fuses guard against electrical faults, giving you peace of mind during every use.

Specifications

RF Source Type	High-frequency transistor	Power Consumption (W)	≤ 300
Heat Dealing Time (s)	0.5-2	Ambient Temperature (°C)	0~40
Diameter of Heat-Sealing Pipeline (mm)	2-6	Power Supply (V/Hz)	90-264 AC 47-63
Operating Frequency (MHz)	≤ 40.68	Weight (kg)	6.0 ± 0.5
Sealing Part RF Power (W)	≥ 30	Size (mm)	240 * 156 * 130

Your Haier Biomedical Partner