

HEATEX M900 ESD Safe LCD Multifunctional SMD/PTH Desoldering Station

Advanced Multifunctional Desoldering Excellence



Product Overview

HEATEX M900 - ESD Safe LCD Multifunctional SMD/PTH Desoldering Station

The HEATEX M900 combines cutting-edge MCU control with multifunctional desoldering capabilities. With simultaneous control of three independent tool channels, large LCD

graphics display, and automatic tool recognition, it's the ultimate solution for professional electronics rework and component removal.

Company Information

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Complete System Package

What's Included

The HEATEX M900 comes with a comprehensive package of components and accessories:

Main Components:

- Main Unit: 1 set with LCD display and multi-channel control
- Blow Dryer Bracket: 1 set
- 26 Air Gun Soldering Station: 1 pc
- Soldering Iron Stand: 1 pc
- Suction Disc: 11 pcs

Desoldering Tools:

- Desoldering Gun Handle: 1 pc with vacuum pump
- Electric Tweezer Handle: 1 pc
- Desoldering Nozzles: 3 pcs

- Nozzles: 4 pcs
- Suction Needle: 1 pc

Accessories & Consumables:

- Desoldering Gun O-ring: 2 pcs
 - Filter Cotton: 10 pcs
 - Spring Pad (Soldering Pin): 1 pc
 - Anti-burning Hat: 1 pc
 - Screw: 2 pcs
 - Manual: 1 pc
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Six Key Features

1. High Accuracy MCU Control

Advanced microcontroller delivers precise temperature control with synchronized operation of three independent tool channels. The high accuracy MCU control is engineered to synchronously manage whether the three tool channels can be used independently without mutual interference, ensuring optimal performance for each desoldering task.

2. Vacuum Generator System

Powerful vacuum pump provides strong suction for efficient and clean component removal. The machine provides a maximum of 900W power output, with the vacuum pump capable of carrying out multiple desoldering tasks simultaneously.

3. Large LCD Graphics Display

Clear and intuitive interface displays all information graphically with real-time monitoring. The large screen graphics display shows all information graphically, with the screen automatically identifying all kinds of welding tools and loading corresponding parameters automatically.

4. Automatic Tool Recognition

Automatically identifies connected tools and loads corresponding parameters for optimal performance. The system automatically identifies all kinds of welding tools and loads corresponding parameters graphically, ensuring precise temperature and settings for each tool.

5. Fault Display & Alarm

Real-time fault detection with on-screen alerts and audible alarms for system reliability. Fault display and alarm functions are available, with the ability to access a computer and complete various settings following the communication interface.

6. Communication Interface

Multiple communication options for system integration and remote control capabilities. Functions such as stand by, buzzer ringing, temperature lock, and factory reset data are available. The system can access a computer and complete various settings following the communication interface.

Technical Specifications

Specification	Value
Product Name	ESD Safe LCD Multifunctional SMD PTH Desoldering station
Brand	HEATEX
Model	M900
Category	Soldering & De-Soldering Stations
Voltage	AC 220V/230V/240V, 50/60Hz
Total Power	600W
Display	LCD Graphics
Main Unit Power	1 set
Hot Air Station	1 set
Power Heater	200W
Soldering Iron	120W
Vacuum Pump	25W
Solder Tweezers	120W
Temperature Range (Main)	50-550°C
Temperature Range (Hot Air)	50-550°C
Temperature Range (Tweezers)	50-550°C
Temperature Accuracy	±1°C
Tip to Ground Voltage	≤2mV
Tip Ground Impedance	2Ω(±2Ω)
Stand By Time	1-120 min
Air Flow	15L/Min (Maximum)

Specification	Value
Noise Level	≤52dB(A)
Overall Dimensions	310(L) × 251(W) × 119(H) mm
Net Weight	5.2 kg

Performance Advantages

Multifunctional Design

The HEATEX M900 integrates soldering iron, hot air station, and vacuum desoldering pen in one comprehensive system, eliminating the need for multiple separate devices. The complete system shown in the product image demonstrates all three tool channels working together seamlessly.

High Accuracy Control

With $\pm 1^{\circ}\text{C}$ temperature accuracy and MCU-based control, the system delivers consistent results for precision desoldering and rework operations. The LCD display provides real-time feedback on all parameters.

ESD Safe Protection

Tip-to-ground voltage maintained below 2mV ensures protection of sensitive electronic components during all desoldering operations. This is critical for working with modern high-density PCBs and sensitive semiconductor devices.

Professional-Grade Reliability

Engineered for continuous use in professional electronics manufacturing and repair environments. The system provides stable performance with automatic tool recognition and fault detection capabilities.

Efficient Vacuum System

The integrated vacuum pump with 15L/Min air flow capacity ensures clean and efficient component removal without damaging PCBs or surrounding components. The desoldering gun handle shown in the product image features the high-power vacuum system.

Why Choose HEATEX M900

- ✓ **Multifunctional in one system** - Soldering iron, hot air, and vacuum desoldering in one device
 - ✓ **High accuracy MCU control** - Precise temperature management with $\pm 1^{\circ}\text{C}$ accuracy
 - ✓ **Automatic tool recognition** - System identifies and configures tools automatically
 - ✓ **Large LCD display** - Clear graphical interface for easy operation and monitoring
 - ✓ **ESD safe design** - Protects sensitive components with $\leq 2\text{mV}$ tip-to-ground voltage
 - ✓ **900W maximum power output** - Powerful performance for demanding applications
 - ✓ **Professional-grade reliability** - Built for continuous use in professional environments
 - ✓ **Simultaneous multi-channel operation** - Manage three independent tool channels
 - ✓ **Comprehensive accessories** - Complete package with all necessary tools and consumables
 - ✓ **Communication interface** - System integration and USB Interface control capabilities
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Professional Applications

The HEATEX M900 is trusted for a wide range of professional desoldering and rework applications:

SMD Component Removal - Efficient removal of surface-mount devices using vacuum desoldering or hot air rework techniques. The electric tweezer handle provides precise control for delicate components.

Hot Air Rework - Professional hot air station for reflowing solder and removing components from PCBs without damage. Temperature control up to 400°C ensures effective rework of all component types.

PTH Through-Hole Desoldering - Precision desoldering of through-hole components using the vacuum desoldering pen with adjustable suction power.

PCB Rework & Repair - Complete rework capabilities for circuit board repairs and modifications with simultaneous multi-channel operation.

Component Recovery - Safe removal and recovery of valuable components for reuse or testing without thermal damage.

Professional Electronics Manufacturing - High-volume production environments requiring reliable, consistent desoldering performance with minimal defects.

System Capabilities

Independent Channel Operation

Three tool channels can operate independently or simultaneously, providing flexibility for complex rework tasks and multi-station operations. Each channel maintains independent temperature control and monitoring.

Automatic Parameter Loading

The system automatically identifies connected tools and loads optimal temperature and settings, reducing setup time and human error. This feature significantly improves operator efficiency and consistency.

Real-Time Monitoring

LCD display provides continuous monitoring of temperature, vacuum pressure, and system status with graphical representation. All parameters are displayed clearly for immediate operator feedback.

Fault Detection & Alerts

Built-in fault detection system with visual display and audible alarms ensures immediate notification of any issues. This prevents damage to components and ensures safe operation.

Temperature Stability

Advanced MCU control maintains stable temperature throughout the desoldering process, ensuring consistent results and component protection. Temperature lock function prevents accidental changes during operation.

Quality Assurance

The HEATEX M900 is engineered for precision and built for performance. Every unit undergoes rigorous quality testing to ensure:

- Consistent temperature control within $\pm 1^\circ\text{C}$ accuracy
 - Reliable ESD protection for sensitive components
 - Durable construction for long-term professional use
 - Compliance with international safety standards
 - Proper function of all three tool channels
 - Accurate vacuum pump operation
 - LCD display functionality and accuracy
 - All accessories and components included and functional
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Contact Information

For pricing, availability, technical support, and product demonstrations, please contact:

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Website:

Warranty & Support

BRIGHT Technologies stands behind the quality of the HEATEX M900 with comprehensive warranty coverage and professional technical support. Our team is available to assist with:

- Installation and setup
 - Operation and training
 - Maintenance and servicing
 - Troubleshooting and repairs
 - Spare parts and accessories
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HEATEX M900 ESD Safe LCD Multifunctional SMD/PTH Desoldering Station - Engineered for Precision. Built for Reliability.

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