

IoT Intelligent Management Platform

Intelligent · Digitalization · Networking



Intelligent Soldering · Rework Station · Preheater · Static Eliminator · Fume Extraction·····



- Data Storage:** Record data and setup operation logs for all tools and devices.
- Remote Control:** Remote control of equipment through PC browser management account.
- Platform Linkage:** Data can be accessed to mainstream MES platform systems, wired/wireless linkage is optional.
- Role-based Access Control:** Operational permissions are managed based on different management needs.
- Region Management:** Support unified platform management of tools and equipment across different regions globally for enterprises.

QUICK TS8+

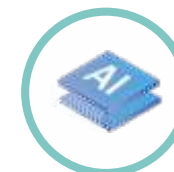


Note: See page 30 for replaceable soldering tips

QUICK TS10+



Note: See page 31 for replaceable soldering tips



Model of soldering iron and tips intelligent identification



Auxiliary vibration function



Ergonomically designed



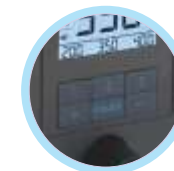
Can hold up to 4 soldering tips



Splash protection cover resistant to high temperature for less solder splash



High-temperature resistant groove for tin scrape made with knock proof material



3 channels with just one touch



LCD screen to clearly display data



Hidden stand for easy adjustment of work angle

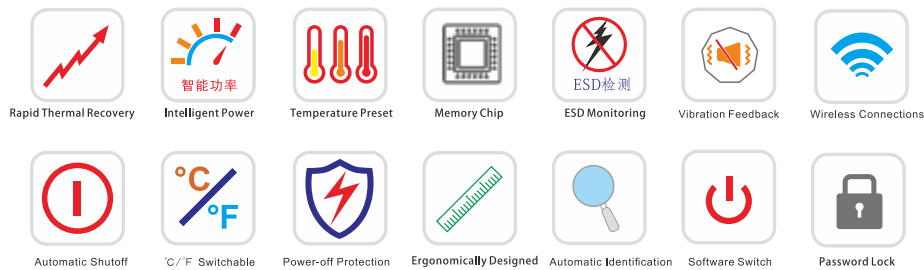


Optional communication module available to realize IoT

Intelligent Lead-Free Soldering Station

Features

- Wired/wireless industrial IoT.
- Intelligent all-in-one soldering tips.
- Intelligent sleep mode.
- New generation of knock proof and tin splash proof iron holder.



2S

Fast heating up without thermal shock

3 Channels

Temperature memory function, fast switching of multiple temperature channels

5S

Quickly enter sleep mode with adjustable range up to 99mins

60S

Can set time for automatic shutoff, adjustable range up to 240mins

300W

Intelligent power suitable for various applications

200 Sets

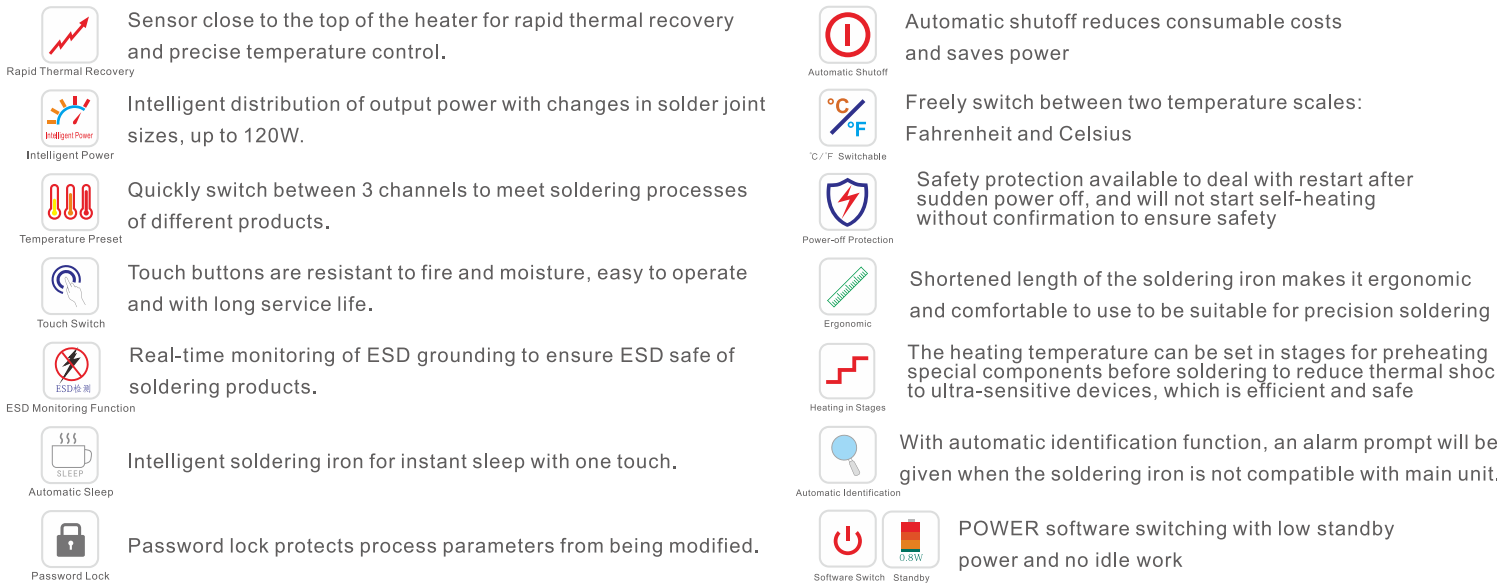
Optional communication module available for online monitoring and docking with MES

Specifications

Model	QUICK TS8+	QUICK TS8	QUICK TS10+	QUICK TS10
Power	150W		300W	
Power Voltage	AC 220V		AC 220V	
Temperature Range	100~450°C		100~450°C	
Tip to Ground Resistance	<2Ω		<2Ω	
Tip to Ground Potential	<2mv		<2mv	
Model of Soldering Iron	TSS80A		TSS10	
Heating Mode	Resistance-Type		Resistance-Type	
Model of Tip	TSS08 Series		TSS10 Series	
Tip/Heater	All-in-One		All-in-One	
Dimensions	137*170*114mm		137*190*114mm	
Weight	About 2.9Kg		About 2.4Kg	
Communication	Yes	No	Yes	No
PC Control	Yes	No	Yes	No

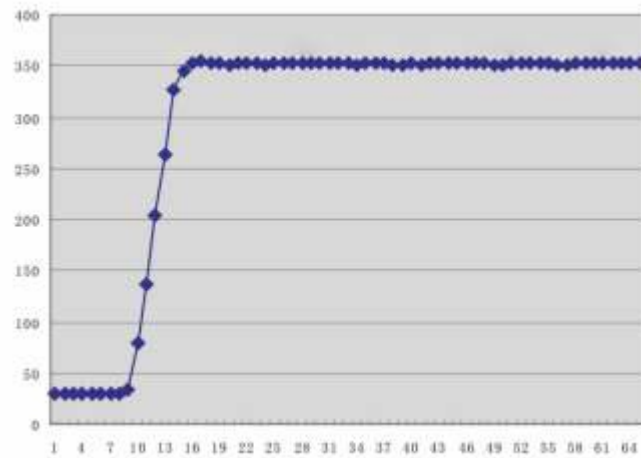


QUICK TS1200



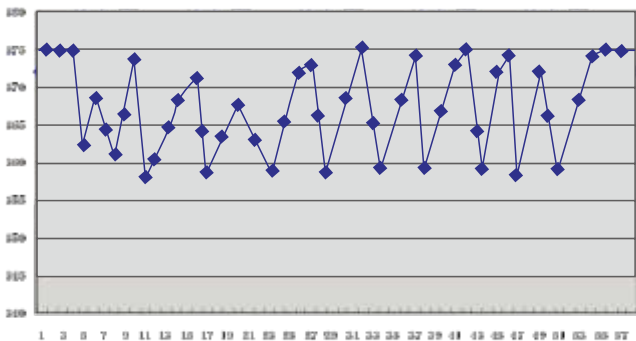
QUICK TS1200 Performance Test

▲ Heating Rate Test ● Heating up from room temperature to 350°C in only 8 seconds

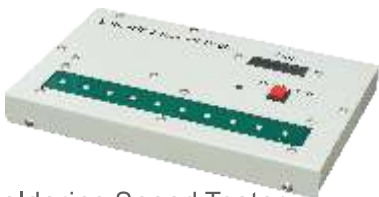


Thermometer	FLUKE2625A
Soldering Tip	TSS02-B
Temperature Sensor	Type K (test at about 1.5mm away from the soldering tip)

▲ Continuous Soldering Test ● Solder 10 joints in 36 seconds

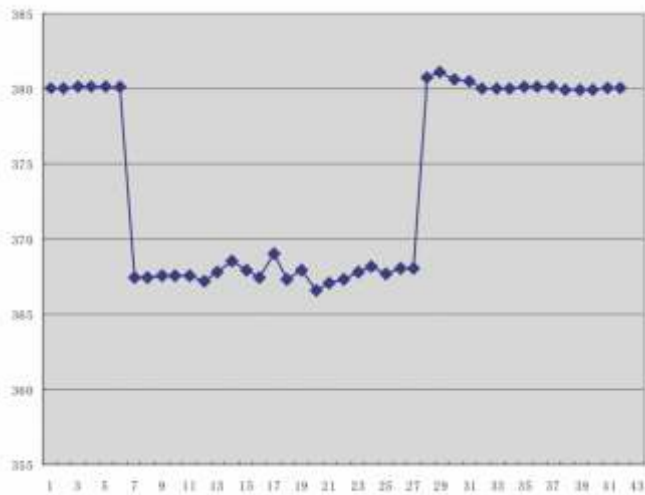


Solder Joint	10
Soldering Tip	TSS02-B
Soldering Temperature	375°C
Model of Solder Wire	Alpha SAC305 (96.5%Sn 3%Ag 0.5%Cu)
Wire Diameter	Ø1.0mm
Amount of Solder	30mm of solder per joint

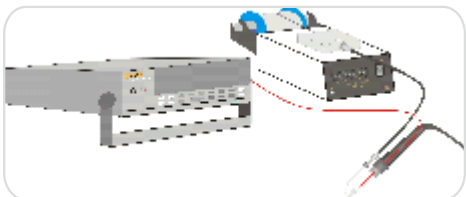


Soldering Speed Tester

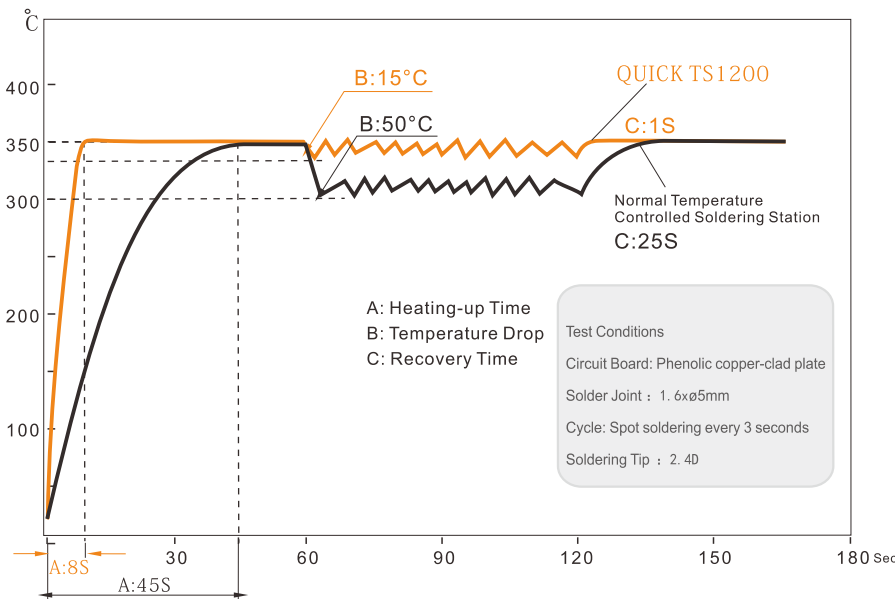
▲ Thermal Recovery Test (Pull Soldering) ● Max Temperature drop is 12°C ● Return to the set temperature in 1 second



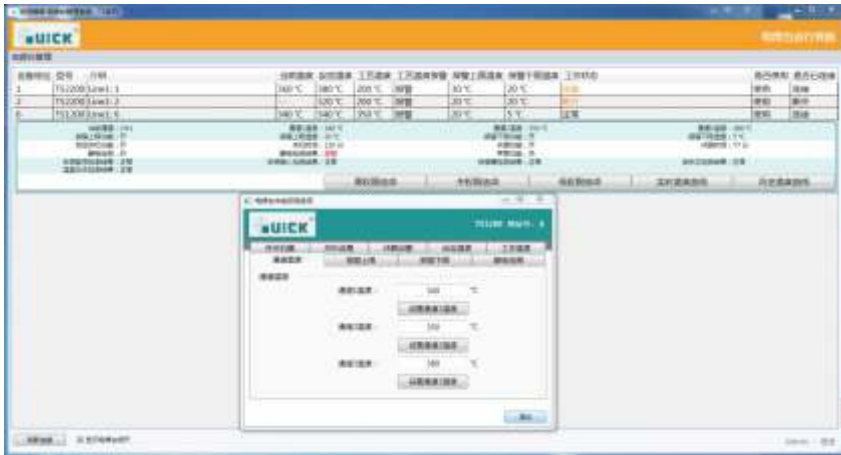
Thermometer	FLUKE2625A
Soldering Tip	TSS02-B
Temperature Sensor	Type K (Test at about 1.5mm away from the soldering tip)
Soldering Temperature	380°C
Model of Solder Wire	Alpha SAC305 (96.5%Sn 3%Ag 0.5%Cu)
Amount of Solder	Ø1.0mm, Length 140mm



Curves of Heating-up and Thermal Recovery



Soldering Management Software



Can set same parameters for multiple soldering stations through the soldering software to realize unified management of process for intuitive setting of the process parameters.



Can check real-time temperature curve, and the historical temperature data through the soldering software, which is easy to create reasonable soldering process, and manage and control data.

Intelligent Lead-Free Soldering Station



QUICK TS1100



960 Series

Features

- Durable heater in metal structure
- Intelligent distribution of output power, up to 90W
- Touch button is waterproof and damp-proof, easy to use
- Fast switching between 3 channels to meet processes of different products
- Password lock available to protect process parameters from being modified
- ESD real-time monitoring to ensure electrostatic protection for soldering products
- Power-off protection
- Temperature alarm function available; °C and °F switchable
- Intelligent soldering iron with automatic sleep mode
- Auto shutoff function for lower cost of consumables, saving power



Touch Switch



Intelligent Identification



Multi-Function Iron Holder



Hand Recognition,
Auto Power on/off

Specifications

Product Pic.				
	Model	TS1100	TS1200	TS1200D
Power	90W		120W	
Heating Mode	resistance-type		resistance-type	
Working Voltage	AC 110V/220V		AC 110V/220V	
Temperature Range	200~450℃		200~420℃	
Temperature Stability	±2℃ (still air, no load)		±2℃ (still air, no load)	
Tip to Ground Resistance	<2Ω		<2Ω	
Tip to Ground Potential	<2mV		<2mV	
Model of Soldering Iron	TSS30A		TSS30B	
Model of Heater	TSS10A		—	
Model of Tip	960 Series		TSS02 Series	
Tip/Heater	split type		all-in-one	
PC Control	No		Yes	No
Main Functions				
Dimensions	112*153*93 (mm)		137*169*116 (mm)	
Weight	about 2. 3kg		about 2. 7kg	

Note: TS1200D has no PC control function; CH3 has two sections for heating, which is suitable for the process of preheating before soldering

Temperature Calibration



Press 1 and 3 at once



Enter the actual value by "+" "-"
(assuming the measured temperature is 360℃)



Press 2 to confirm

Intelligent Lead-Free Soldering Station



QUICK TS2200

QUICK TS2300C



Features

- High frequency eddy current heating mode, soldering tip fast heating up.
- Sensor close to tip for rapid thermal recovery and precise temperature control.
- Intelligent distribution of output power, up to 150W.
- Touch buttons are waterproof and damp-proof, easy to operate.
- Quickly switch between 3 channels to meet soldering processes of different products.
- Password lock available to protect process parameters from being modified.
- Real-time monitoring of ESD grounding to ensure ESD safe.
- Power-off protection.
- Freely switch between two temperature scales: Fahrenheit and Celsius
- Intelligent soldering iron with automatic sleep mode.
- Power-saving automatic shutoff function.



Features

- Sensor close to tip for rapid thermal recovery and precise temperature control.
- Intelligent distribution of output power, up to 400W.
- The touch buttons are waterproof and damp-proof, easy to operate.
- Quickly switch between 3 channels to meet different soldering processes of different products.
- Password lock function can protect production process parameters from being modified.
- Real-time monitoring of ESD grounding to ensure ESD safe.
- Power-off protection.
- With temperature alarm function; freely switch between two temperature scales: Fahrenheit and Celsius.
- Intelligent soldering iron with automatic sleep mode.
- Power-saving automatic shutoff function.
- High power specially designed for high heat capacity soldering of large solder joints.

QUICK TS2400



Note: See page 35 for replaceable soldering tips

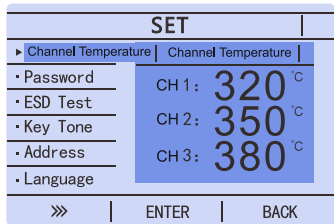
Specifications

Product Pic.					
Model	TS2200	TS2200D	TS2300C	TS2300D	TS2400
Power	90W		150W		400W
Heating Mode	High-frequency eddy current		High-frequency eddy current		High-frequency eddy current
Working Voltage	AC 110V/220V		AC 110V/220V		AC 110V/220V
Temperature Range	100~480℃		100~480℃		100~500℃
Temperature Stability	±2℃ (still air, no load)		±2℃ (still air, no load)		±2℃ (still air, no load)
Tip to Ground Resistance	<2Ω		<2Ω		<2Ω
Tip to Ground Potential	<2mV		<2mV		<2mV
Model of Soldering Iron	TSS31A		TSS31B		TSS40D
Model of Heater	H1901A		H1205A		H206E
Model of Sensor	S1901A		S1205A		S9013G
Model of Tip	200 Series		500 Series		504 Series
Tip/Heater	Split type		Split type		Split type
PC Control	Yes	No	Yes	No	Yes
Main Functions	 Rapid Thermal Recovery  Ergonomic  Automatic Identification  Temperature Preset  Touch Switch  Automatic Sleep  Ultra-low Power Consumption  Intelligent Power  Password Lock  ESD Monitoring  Software Switch  Automatic Shutoff  °C/°F Switchable  Power-off Protection				
Dimensions	137*169*116 (mm)		137*169*116 (mm)		190*190*134 (mm)
Weight	about 3.2kg		about 2.1kg		about 2.7kg

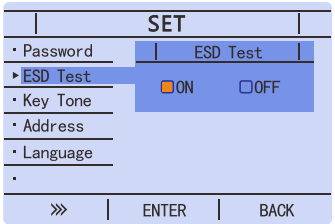
Function Settings



Press 2 and 3 at once to enter menu



Channel Temperature Setting



ESD Test

Suitable for automotive wiring harness terminal, wire and cable, motor, base station antenna, shielding box, ground pole and others with large solder joints.

Intelligent Lead-Free Soldering Station



QUICK 203H

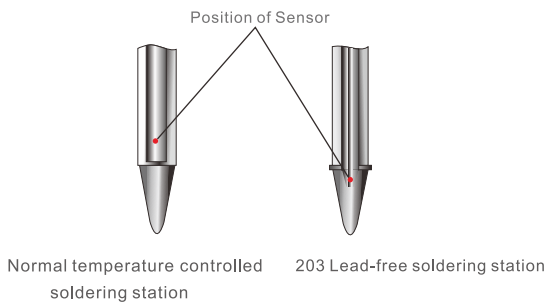
QUICK 203D



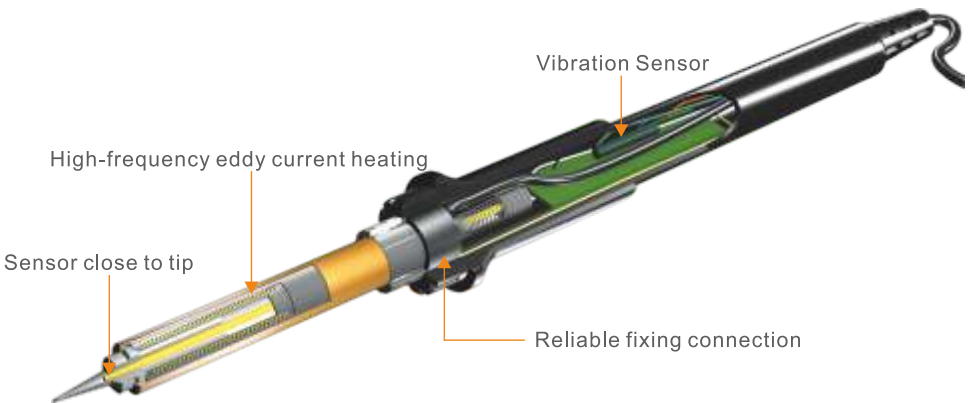
Features

- Soldering tip, sensor, and heater are split with low consumable costs.
- Sensor close to tip with precise temperature control and rapid thermal recovery.
- Power-saving auto sleep function.
- Lock function available to protect soldering process.
- Digital temperature calibration.
- Durable full metal aluminum housing with efficient heat dissipation.
- 203D has two stations for independent use, saving space.

Comparison of Sensor's Position



Details



Specifications

Product Pic.			
Model	QUICK 203H	QUICK 203D	QUICK 205
Power	90W	90W*2	150W
Heating Mode	High-frequency eddy current	High-frequency eddy current	High-frequency eddy current
Working Voltage	AC 110V/220V	AC 110V/220V	AC 110V/220V
Temperature Range	50~600℃	80~480℃	50~600℃
Temperature Stability	±2℃ (still air, no load)	±2℃ (still air, no load)	±2℃ (still air, no load)
Tip to Ground Resistance	<2 Ω	<2 Ω	<2 Ω
Tip to Ground Potential	<2mV	<2mV	<2mV
Model of Soldering Iron	QUICK 20H-90	QUICK 20H-90	QUICK 902A
Model of Heater	H1203-90W	H1203-90W	H1205A
Model of Sensor	S1203	S1203	S1205A
Model of Tip	200 Series	200 Series	500 Series
Tip/Heater	Split type	Split type	Split type
Dimensions	131*150*105 (mm)	131*150*105 (mm)	131*195*104 (mm)
Weight	about 3.2kg	about 2.7kg	about 4.6kg

Temperature Calibration



Press and hold "*"



Press "▲" and "▼" at once in 1s to enter temperature calibration mode



Enter the actual value (assuming the measured temperature is 360℃)



Press "*" to confirm

Intelligent Lead-Free Soldering Station



QUICK 203H+



QUICK 205H+



Features

- High-frequency eddy current heating mode, fast heating up and thermal recovery, and high thermal efficiency to realize smooth lead-free soldering.
- Sensor close to tip for sensitive feedback and precise temperature control; plug-in heater for easy maintenance.
- LCD display, 3 channels with password lock, digital temperature calibration.
- Intelligent sleep/shutoff function available for longer service life of the unit, soldering tip, heater and other accessories which is power-saving and safe.
- Compatible downward with the soldering station with power below 90W, temperature range of 100-500°C, suitable for a wide range of soldering applications.

Specifications

Model	QUICK 203H+	QUICK 205H+
Power	90W	150W
Display	LCD	
Working Voltage	AC 220V	
Temperature Range	100°C~500°C	
Temperature Stability	±2°C (still air, no load)	
Ambient Temperature	0~40°C	
Tip to Ground Potential	<2mV	
Tip to Ground Resistance	<2Ω	
Model of Tip	200 Series	500 Series
Model of Soldering Iron	901E	902A
Dimensions	131*165*110(mm)	131*194*110(mm)
Weight	about 3.1Kg	about 4.5Kg

QUICK 969D+



Features

- Delicate and compact, saving space.
- Power up to 70W for smoothly soldering.
- Split type durable metal heater, low consumable cost.
- Adopt silicone wire and accessories resistant to high temperature, safer to use.
- Full metal iron holder with a cleaning ball gentle to the soldering tip.
- The 969A+ uses a hidden temperature adjustment knob to prevent changes in the temperature settings due to touch by mistake.
- The 969B+ uses LED display, featuring 3 channels, process control with password lock, and digital temperature calibration.
- The 969D+ uses LCD display, featuring temperature memory, temperature settings with password lock, digital temperature calibration.

QUICK 969A+



Note: See page 33 for replaceable soldering tips

QUICK 969B+



Note: See page 33 for replaceable soldering tips

Specifications

Model	QUICK 969A+	QUICK 969B+	QUICK 969D+
Power		70W	
Display Type	Scale	LED display	LCD display
Working Voltage		AC 220V	
Temperature Range	200℃～450℃	100℃～480℃	
Temperature Stability		±2℃（still air, no load）	
Ambient Temperature		0～40℃	
Tip to Ground Potential		<2mV	
Tip to Ground Resistance		<2Ω	
Model of Tip		960 series	
Model of Soldering Iron		901RAA	
Dimensions		87*140*123(mm)	
Weight		about 1.7Kg	

Intelligent Lead-Free Soldering Station



QUICK 3202

QUICK 3205



Features

- High-frequency eddy current heating mode, sensor close to tip
- Built-in intelligent temperature compensation system for accurate and stable temperature
- Fast heating-up and thermal recovery to realize lead-free soldering
- Backlit LCD with dual temperature display, three temperature parameters can be set and saved
- Digital temperature calibration, with password lock, plug-in heater for easy maintenance
- 3202 has plug-in type soldering tips for reliable grounding
- Soldering tip, sensor, and heater are separate with low cost of consumables
- Sponge or brass wool can be used to clean soldering tips

Details



Specifications

Product Pic.		
Model	QUICK 3202	
Power	QUICK 3205	
Temperature Range	90W	150W
Temperature Stability	100~550°C	100~550°C
Working Voltage	±2°C (still air, no load)	±2°C (still air, no load)
Tip to Ground Resistance	AC 110V/220V	AC 110V/220V
Tip to Ground Potential	<2Ω	<2Ω
Heating Mode	<2mV	<2mV
Model of Heater	high-frequency eddy current	high-frequency eddy current
Model of Soldering Iron	H1901A	H1205A
Model of Tip	901C	901D
Dimensions	200G series	200 series
Weight	500 series	500 series
	97*171*134 (mm)	97*171*134 (mm)
	about 2.0kg	about 2.0kg

Specifications



Intelligent Lead-Free Soldering Station



QUICK 303D



305 Series

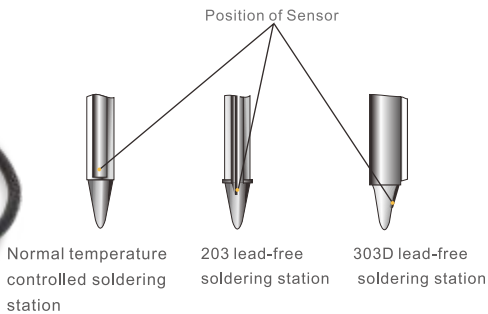
Features

- High-frequency eddy current heating mode, sensor close to tip for rapid heating and thermal recovery.
- The new reliable soldering tip grounding system can effectively ensure that the tip to ground leakage voltage and ground resistance meet international standards.
- Light soldering iron, comfortable to hold, plug-in soldering tip and heater are easy to replace.
- Backlit LCD to display the preset temperature and the actual temperature in real time.
- Digital calibration temperature, easy to operate and with password protection.
- Temperature upper and lower limits can be set as needed to realize temperature over limit warning.
- Can set sleep time and shutoff time
- Suitable for lead-free soldering in low temperature.

Specifications

Model	QUICK303D
Power	120W
Temperature Range	50~500℃
Temperature Stability	± 2℃ (still air, no load)
Tip to Ground Resistance	< 2Ω
Tip to Ground Potential	< 2mV
Sleep Time Range	0~99min
Shutoff Time Range	0~99min
Model of Tip	305 series
Dimensions	131*172*108 (mm)
Model of Soldering Iron	903F
Model of Heater	H613
Weight	about 3.2kg

Comparison of Sensor's Position



Comparison of Soldering Iron Size



Automatic Temperature Controlled Soldering Station

QUICK / 236

QUICK / 3104



960 Series



960 Series

Features

- High temperature resistant heater with long service life.
- Heating up quickly, fast temperature compensation, precise and stable temperature control.
- Compatible with various universal soldering tips.
- Lightweight soldering iron, comfortable to use.
- Novel appearance with firm structure.
- Digital temperature calibration, with password lock to ensure consistent process.
- Quick 3104 has 3 channels to preset temperature.

Specifications

Model	QUICK236	QUICK3104
Power	90W	80W
Temperature Range	80°C~480°C	100°C~450°C
Temperature Stability	±2°C (still air, no load)	±2°C (still air, no load)
Tip to Ground Resistance	<2Ω	<2Ω
Tip to Ground Potential	<2mV	<2mV
Model of Tip	960 series	960 series
Dimensions	105*156*128 (mm)	91*146*124 (mm)
Model of Heater	A1321	H1901R
Model of Soldering Iron	907D	901RAA
Weight	about 2.5kg	about 1.7kg

Intelligent Self-Feeding Station



QUICK / 373E Auto Solder-Wire Feeder

QUICK / 372FF Auto Solder-Wire Break Station



QUICK / 373C Auto Solder-Wire Feeder



Features

- Fully automatic solder wire self-feeding and breaking, compatible with multiple models of soldering station
- 372FF with fully automatic microporous solder breaking to prevent solder splatter during soldering.
- One-touch feeding, easy to use
- Optional automatic and manual feeding modes are available, simple and easy soldering with one hand.
- The feeding speed, time and interval are adjustable, and with solder wire return function for less waste of solder.
- Can be used with pedal switch and manual switch to feed solder wire.

Specifications

Model	QUICK373C	QUICK373E	QUICK372FF
Wire Breaking Function	No	No	Yes
Power	10W	20W	20W
Motor	Stepper Motor	Stepper Motor	Stepper Motor
Feeding Speed	2.7mm/s~27mm/s	2.7mm/s~27mm/s	2.7mm/s~27mm/s
Interval	0~2.7s	0~2.7s	0~2.7s
Return Length	0~25mm	0~25mm	0~25mm
Feeding Mode	Automatic (1~9) /Manual (0)	Automatic (1~9) /Manual (0)	Automatic (1~9) /Manual (0)
Wire Diameter	0.5/0.6/0.8/1.0/1.2 (mm)	1.2 (mm) ~2.0 (mm)	0.6~2.0 (mm)
Solder Quantity	≤1kg	≤1kg	≤1kg
Control Mode	Pedal Switch /Manual Control	Pedal Switch /Manual Control	Pedal Switch /Manual Control
Weight	About 1.7kg	About 2.5kg	About 2.5kg

Note: All three models are self-feeder devices and do not include soldering iron, additional soldering station is required. Please confirm the model of soldering station, the solder wire diameter, and the length of tube before purchase.

Intelligent Self-Feeding Station



QUICK/375A+



Feature

- Ceramic heater resistant to high temperature, 24V low voltage heating, safe and reliable.
- RTD sensor temperature control for fast heating-up with precise and stable temperature.
- Automatic self-feeding, dial switch, with wire return function for less waste of solder.
- The feed speed, feed length, number of feed and interval can be set.
- Pedal switch controls the feeding with two working modes of auto and manual control.
- Universal adjustment soldering iron for easy soldering.
- 375A+ uses a metal tube for feeding, 375B+ uses a hose for feeding.
- 375A+ can be configured with pedal switch
- 375B+ can be configured with pedal or manual switch
- Suitable for soldering connector and others.

QUICK/375B+



375A+Metal Feeding Tube

Manual Feeding Guide Tube



375B+Feeding Guide Tube

Guide Tube Assembly

Specifications

Model	QUICK375 Series
Power	60W
Heating Mode	ceramic resistance
Temperature Range	200~480℃
Wire Diameter	0. 5/0. 6/0. 8/1. 0/1. 2 (mm)
Interval	0~2. 7s
Feeding Speed	about 2. 7mm/s~27mm/s (36° /s~360° /s)
Feeding Length	0~150mm
Return Time	0~0. 9s (about 0~25mm constant speed: 360° /s)
Feeding Mode	automatic (1~9) /manual (0)
Solder Quantity	≤1kg
Model of Soldering Iron	907E
Model of Heater	A1321
Soldering Tip	960 series
Weight	about 3. 0kg

QUICK/376D



Features

- The soldering station features high-frequency heating mode with K-type sensor to control the temperature which is with rapid heating and thermal recovery.
- Microcomputer control, temperature adjusted by buttons, digital temperature calibration and with auto sleep function.
- Automatic and manual feeding modes is optional, and the feeding times can be set.
- The feeding speed, length and interval time are all adjustable, and with adjustable return function to reduce the solder waste.
- Can be configured with pedal switch and manual switch for feeding.
- It can be independently used as a lead-free soldering station.
- ESD safe to prevent sensitive electronic components from being damaged due to static electricity.
- DI series features fully automatic microporous wire breaking to prevent solder splatter during soldering process.

Specifications

Model	QUICK376D	QUICK376DI	QUICK376D-150	QUICK376DI-150
Power	90W		150W	
Wire Breaking Function	No	Yes	No	Yes
Heating Mode	High-frequency eddy current			
Temperature Range	50~600℃			
Temperature Stability	±2℃ (still air, no load)			
Tip to Ground Potential	<2mV			
Tip to Ground Resistance	<2Ω			
Motor	Stepper Motor			
Feeding Speed	About 2.7mm/s~27mm/s (36°/s~360°/s)			
Feeding Length	0~150mm			
Interval Time	0~2. 7s			
Return Time	0~0. 9s (About 0~25mm Fixed Speed: 360° /s)			
Feeding Mode	Automatic (1~9) /Manual (0)			
Wire Diameter	0. 5/0. 6/0. 8/1. 0/1. 2/1. 4 (mm)			
Model of Soldering Iron	20H-90		902A	
Model of Heater	H1203-90W		H1205A	
Model of Tip	200series		500series	
Weight	About4. 4kg	About4. 6kg	About4. 2kg	About4. 4kg

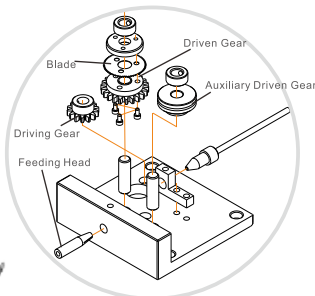
QUICK/376DI-150



Pedal Switch



Guide Tube



Structure Diagram of Microporous Wire Breaking