

# Weller®

Microtouch Plus Soldering Station

Tools That Work As Hard As You



the new  
**Microtouch Plus**

The only thing more  
impressive than its  
performance...

# ...is its 5 year no hassle, no questions asked guarantee\*.

We've been telling you how we designed the new Weller Microtouch Plus to perform second to none. How the Microtouch Plus attains the most accurate and reliable tip temperature on the market. How it's the only station available that offers the "Touch Mode" which helps extend tip life and saves you money. And aside from proving to you that Microtouch Stations are the most versatile, reliable, and functional stations available today, we're willing to back it up. We've put together a 5 year warranty on both



- Instant and extremely accurate heat
- Lightweight ergonomic hand piece
- Variable temperature or lockout models – MT1500 - variable temperature, MT1500L (NEW!) - fixed temperature using a temperature lock out key
- Full range of tips from micro to SMD. Over 50 tip styles – including micro tips and our unique, patented Flex Leg tips

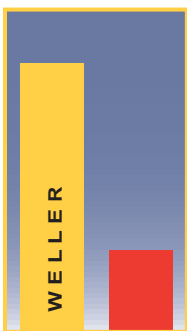
the station and hand piece that will guarantee your complete satisfaction.

We've gone to great lengths to assure you that the Microtouch not only has the highest thermal capacity of any Weller soldering station to date, and that in multiple tests, the Microtouch outperformed the

competition, but we're backing it up with that same assurance.

You'll know that it's the most technologically advanced station that you can work with. And you'll come to depend on these quality features:

- Only station on the market with "Touch Mode" which helps extend tip life and lowers costs
- MT1500 offers 3 operating modes:
  - 1) Continuous – Tip stays at set temperature until turned off
  - 2) Idle – station automatically sets back the temperature to 400° after 1 minute of being idle
  - 3) "Touch Mode" – station automatically sets back the temperature to ambient temperature upon release of handle and almost instantly adjusts to desired temperature when handle is touched again
- **5 Year Guarantee\*** – no hassle, no questions asked



#### LONG TIP LIFE

With the Touch feature, tips for the Microtouch last up to three times longer than competitive tips.

#### LARGEST TIP SELECTION

Over 50 styles and sizes of tips are available for use with the Microtouch Plus.

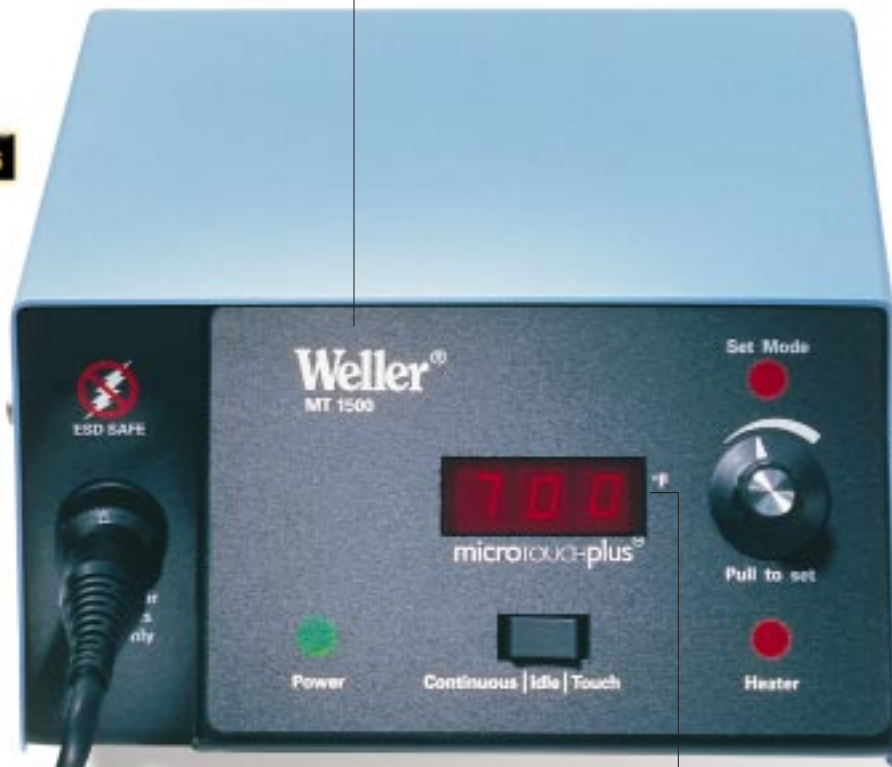


\* 5 Year Guarantee covers station and hand piece only, tips are excluded.

**FIVE YEAR GUARANTEE**

Weller has been building dependable stations using the latest technologies for over 25 years.

**the new  
Microtouch Plus**



**VARIABLE TEMPERATURE**

Temperatures can be set anywhere from 400°F to 850°F.

**UNIQUE "TOUCH" MODE**

The Touch feature lowers the temperature of the iron when not in use, extending tip life.

**PROTECTS THE WORK**

When accurate temperatures are required, no other station performs like the Microtouch Plus.



**PATENTED "FLEX LEG" TIPS**

Our patented flex leg SMT tip grips and releases components without the aid of any tools.

**QUICK CHANGE TIPS**

Plug In Tips on the Microtouch Plus can be changed within seconds.



**LOCKOUT ABILITY**

The Microtouch is also available as a fixed temperature station. Our MT1500L uses a lockout key

Fax us at **1.800.423.6175**  
e-mail [cooperinfo@cooperinfo.com](mailto:cooperinfo@cooperinfo.com)



MT202,  
Similar: MT220  
(calibration)



MT302,  
Similar: MT606,  
MT609, MT613,  
MT615



MT203



MT601,  
Similar: MT602,  
MT604, MT610,  
MT620



MT204,  
(non wetting)



MT603,  
Similar: MT303,  
MT605, MT612



MT211  
Similar: MT221



MT607,  
Similar: MT608,  
MT616,



MT212  
(non wetting)



MT618,  
Similar: MT622,  
MT624, MT625,  
MT626



MT301,  
Similar: MT320



MT619,  
Similar: MT621,  
MT1207, MT1210,  
MT1211



MT1212



MT1203F,  
MT1208F



MT1202



MT1204,  
Similar: MT1213



MT617



MT1205,  
MT1206



MT1201



Soldering Stand  
(included with station)

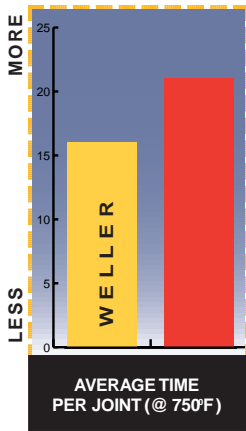


# Proven performance

## the new Microtouch Plus

We could go on and on about how the Microtouch Plus performs better than competitive stations.

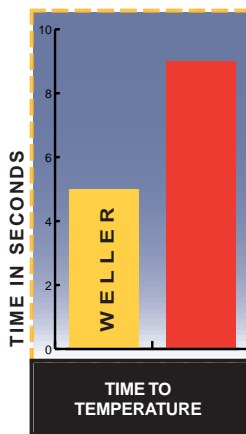
But to really understand how advanced our new station is, we figure you'll want to see some hard facts. So here they are. A sampling of the rigorous, thorough tests we put the Microtouch Plus through. And the results that may cause you to question just who has the smartest station on the market.



The Microtouch Plus' average time tested 24% better than the competition's.

One type of thermal capacity measurement is to determine an average time per joint. For our test, we heated 10 copper slugs to a temperature of 450°F, one at a time as rapidly as possible, measuring the time to heat each slug to that temperature. Because competitors tips' operating temperatures vary, our test was performed at the temperature measured on their product.

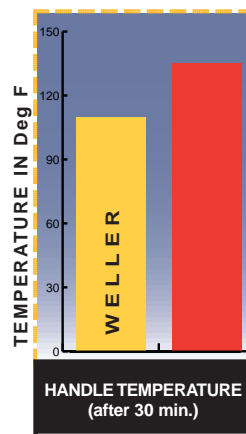
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The Microtouch's heat-up time is a full 45% quicker than the competition.

Because many tasks today require multiple tips to complete the job, heat-up time is always an important feature. After all, you don't want to spend valuable time waiting for the tip to heat up after each tip change. Well, in five separate tests, the Microtouch Plus required less time to heat up than competitors'.

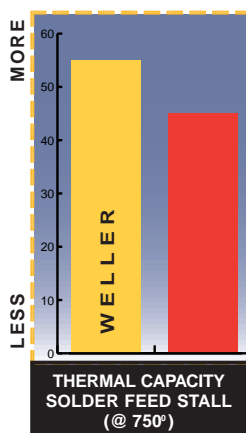
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After thirty minutes, our handle was a full 25°F cooler than the other competitive handles.

Microtouch Plus hand pieces are ergonomically designed for comfort. In addition the handles run consistently cooler than competitive handles, while maintaining an excellent tip to grip ratio.

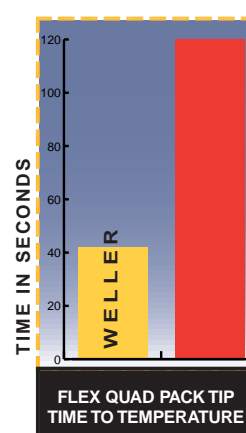
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The Microtouch handled 28% more solder than competitors.

A more accurate measure of thermal capacity is to determine the solder feed stall of a station. For our test, each tip was automatically fed solder at a specific, constant rate. This constant feed continued, with the rate of feed being increased until the tip "stalled." This point is referred to as the solder feed stall. Again, the Microtouch Plus outperformed competitive stations.

3



The Flex Tip performed up to three times faster than the competitive equivalent.

The new Flex Leg Quad Pack Tip's exclusive patented design enables it to grip and release a component without the aid of any tools. Because the heaters are located in the legs of the tip, a "J" leaded component can be removed within seconds, rather than minutes.

5

the new

# Microtouch Plus

## Program Information

### Station

Cat No.	Description
MT1500 . . .	SOLDERING STATION, LESS TIP. 120V/230V, 50/60hz, UL LISTED, FOOTPRINT: 6 5/8" w x 8 1/8" d X 3 7/8" h, WEIGHT: 8.2 lbs. IRON WEIGHT: 1 oz. TEMP. RANGE: 400°F - 850°F, CONTROL SETTING RESOLUTION: ± 1°F STA- BILITY: ± 10°F <i>(meets requirements on DOD-STD-2000, MIL-STD-2000)</i>
MT1500L . . .	Same as above except with Operator Lockout (600°, 700°, 800° keys included)

### Standard Tips

Cat No.	Description
MT202 . . . .	NEEDLE, .030 x 1.0 L
MT203 . . . .	NEEDLE, .030 x 1.0 L MIL- SPEC
MT204 . . . .	NEEDLE, .022 x 1.0 L NON WET
MT220 . . . .	NEEDLE, .030 CALIBRATION TIP - 200 SERIES
MT302 . . . .	CONICAL SHARP, .015 x .200 L
MT606 . . . .	CONICAL SHARP, .016 x 530 L
MT609 . . . .	CONICAL SHARP, .023 x 600 L
MT613 . . . .	CONICAL SHARP, .020 x 530 L
MT615 . . . .	CONICAL SHARP, .030 x 390 L

### CONICAL BENT

MT303 . . . .	CONICAL BENT, 30 DEG. BEND, .015 x .320 L
MT603 . . . .	CONICAL SHARP, 30 DEG. BEND, .020 x .600 L
MT605 . . . .	CONICAL BENT (SHARP) 30 DEG., .016 x .560 L
MT612 . . . .	CONICAL, BENT 30 DEG., .050 x .880 L

### CHISEL

MT611 . . . .	CHISEL, .060 x .610 L
MT614 . . . .	CHISEL, .100 x .190 L

### BEVEL

MT607 . . . .	BEVEL, 30 DEG., .020 DIA. x .580
MT608 . . . .	BEVEL, 30 DEG., .040 x .560
MT616 . . . .	BEVEL, 30 DEG., .032 x .560

### SCREWDRIVER

MT211 . . . .	SCREWDRIVER, .045 W x .010 THK x 1.0 L
MT212 . . . .	SCREWDRIVER, .045 W x .05 THK x 1.0 L NON WET
MT221 . . . .	SCREWDRIVER, .038 W x .010 THK x 1.0 L
MT301 . . . .	SCREWDRIVER, .047 x .200 L
MT320 . . . .	CALIBRATION TIP - 300 SERIES
MT601 . . . .	SCREWDRIVER, .070 x .385 L
MT602 . . . .	SCREWDRIVER, .100 x .390 L
MT604 . . . .	SCREWDRIVER, .060 x .390 L
MT610 . . . .	SCREWDRIVER, .200 x .350 L
MT620 . . . .	CALIBRATION TIP - 600 SERIES

### SURFACE MOUNT TIPS

Cat No.	Description
PLCC'S	
MT1203F . . .	QUAD PLCC-44, .700 SQ., FLEX LEG
MT1208F . . .	QUAD PLCC-68, 1.000 SQ. FLEX LEG
MT1212 . . . .	QUAD PLCC-18, .335 x .540
MT1214F . . .	QUAD PLCC-84, 1.165 x 1.155, FLEX LEG
MT1202 . . . .	QUAD PLCC-20, .410 SQ.
MT1201 . . . .	QUAD PLCC-28, .500 SQ.
MT1204 . . . .	QUAD PLCC-32, .500 x .500 SQ.

### SIOC

MT619 . . . .	SOIC-14/16, .200 W x .410 L
MT621 . . . .	SOIC-8, .200 W x .180 L
MT1207 . . . .	SOIC-20, .375 W x .520 L
MT1210 . . . .	SOIC-28, .375 W x .720 L
MT1211 . . . .	SOIC-24, .375 W x .620 L

### SIP

MT617 . . . .	SIP (BLADE) .410 L
MT1205 . . . .	SIP (BLADE) .820 L
MT1206 . . . .	SIP (BLADE) .620 L

### SOJ

MT1209 . . . .	SOJ-28, .365W x .740 L
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### CHIP

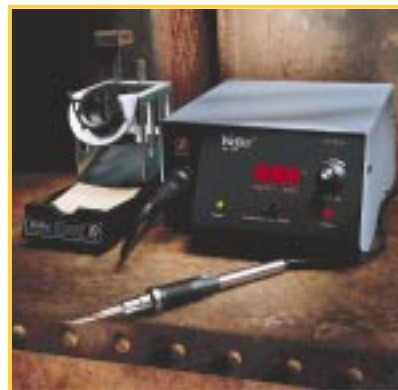
MT618 . . . .	CHIP 1206/1210, .195W x .070 L
MT622 . . . .	CHIP 0805, .090W x .060 L
MT624 . . . .	CHIP SOT 23, .068W x .100 L
MT625 . . . .	CHIP 1808/1812, 190W x .090 L
MT626 . . . .	CHIP CAP D, .303W x .105 L

### SOMC

MT623 . . . .	SOMC-16, .270 W x .450 L
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### QFP

MT1213 . . . .	QFP-64/80, .580 x .915
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**COOPER**  
CooperTools