

# Hand Soldering



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## Tweezers, Soldering and Rework System

### MX-5241

New Dual Port Simultaneous Soldering and Rework System with both the Advanced™ Hand-piece and the Precision Tweezers. Users get maximum application flexibility for soldering and reworking the widest range of surface mount components simultaneously.

#### Features and Benefits:

- Can be operated with two hand-pieces dynamically sharing the 80 watts output power based on demand adding even more application flexibility and speed.
- Configured with the Metcal Advanced Soldering and Rework Hand-piece and Precision Tweezer Hand-piece
- Microprocessor controlled power supply providing more power for challenges such as high mass components, multi-layered boards and lead-free solders.
- Improved ergonomics with lightweight hand-pieces.
- Greater process control with SmartHeat® Technology.
- ESD safe with incoming AC ground monitoring circuitry.
- Built-in power indication meter with digital display and bar graph that dynamically provides the operator with feedback on the status of the soldering operation.
- Metcal TipSaver™ Workstand improves tip life with its "Auto-Sleep" function.

#### Product Comprises of:

- MX-PS5200 : Power supply, 100 to 240 VAC input, dual switch port with LCD Display
- MX-PTZ : Tweezers Hand-piece
- MX-H1-AV : Metcal Advanced™ Hand-piece
- MX-W4PT : Workstand for Tweezers Hand-piece
- MX-W1AV : Workstand for Metcal Advanced™ Hand-piece, Soldering and Rework

NOTE: No tip/cartridge included

#### Tips / Cartridges Series compatible with this system:

- [STTC Soldering Cartridges](#)
- [SMTC Rework Cartridges](#)
- [PTTC Tweezer Cartridges](#)

### Technical Specification

Ambient Operating Temperature:	10- 40°C (50°F - 104°F)
Maximum Enclosure Temperature:	55°C (131°F)

Input Line Voltage:	100- 240 VAC, grounded circuit
Input Line Frequency:	50/60 Hz
Power Consumption:	125 Watts
Output Power Maximum:	80 Watts max. Per channel at 22°C (when operated with two hand-pieces dynamically, the 80 watts output power is shared based on demand)
Output Frequency:	13.56 MHzC
Power Cord 3-Wire:	183cm (18/3") SJT
Dimensions w x d x h:	12.1cm x 13.0cm x 23.5cm (4.8" x 5.1" x 9.3")
Certification / Marking:	cTUVus, CE
Tip-to-Ground Potential:	< 2mV
Tip-to-Ground Resistance:	< 2 ohms
Idle Temperature Stability:	± 1.1°C (2°F) in still air
Hand-piece Cable Length:	L=122cm (48"), burn resistant, ESD safe
Hand-piece Connector:	F connector
Workstand Dimensions w x dx h:	8.6cm x 19.1cm x 8.3cm (3.4" x 7.5" x 3.3")
Weight of the power supply:	7.4 lbs (3.35 kg)
Weight of the * workstand:	1.05 lbs (.476 kg)

Accessories

Upgrade

Consumables

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