# MX-5200 Series Dual Simultaneous Soldering Systems Data Sheet



## The MX-5200 Soldering, Desoldering and

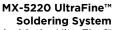
**Rework Series** offers the same increased productivity and process control as the MX-5000 Series, but with dual-simultaneous ports. The MX-5200 can be operated with two hand-pieces dynamically sharing the 80 watts output power based on demand, adding even more application flexibility and speed.



### SYSTEMS WITH ONE HAND-PIECE

## MX-5210 Soldering and Rework System

Configured with the Advanced™ Hand-piece. Highly effective for soldering applications including lead-free, high mass components or boards, thermally sensitive components requiring low operating temperature, high volume production soldering, and touch-up soldering operations. Soldering cartridges: STTC Series and SMTC Series



Configured with the UltraFine™
Soldering Hand-piece which is a
specialty tool for soldering and touchup of very small components,
restricted access or high-density
component packaging on a PCB.
Soldering cartridges: new range of
UFTC cartridges featuring small tip
geometries and low mass, suited for
small part soldering.

## MX-5250 Plated-Through-Hole Component Desoldering System

Includes the MX-DS1 Desoldering hand-piece designed for through-hole desoldering. Desoldering cartridges: STDC Series provide assurance for fast, high-quality results.

### **SYSTEMS WITH TWO HAND-PIECES**

## MX-5211 Soldering and Rework System

Same features as MX-5210 but configured with two Advanced™ Hand-pieces and two TipSaver™ Workstands. Soldering cartridges: STTC Series and SMTC Series

## MX-5241 Precision Tweezers, Soldering and Rework System

Combines both the Advanced™
Hand-piece and the Precision
Tweezers Hand-piece. Users get
maximum application flexibility for
soldering and reworking the widest
range of surface mount
components. Soldering cartridges:
PTTC Series, STTC and SMTC Series



## MX-5251 Soldering, Desoldering and Rework System

For through-hole desoldering, general soldering, and SMD rework applications. Includes two handpieces: the Advanced™ Hand-piece and the MX-DSI Desoldering handpiece. Ideal for mixed technology boards. Provides versatility for addressing soldering & rework tasks. Soldering cartridges: STTC and SMTC Series. Desoldering cartridges: STDC Series





### **SYSTEM CONFIGURATIONS**

PART NUMBER	MX- PS5200 Power Supply	Hand-pieces				TipSaver™ Workstands		
		MX-H1- AV	MX-H2- UF	MX-PTZ	MX-DS1	MX-W1AV	MX- W4PT	MX- W5DS
MX-5210	✓	✓				✓		
MX-5211	✓	<b>√</b> √				<b>//</b>		
MX-5220	✓		✓			✓		
MX-5241	✓	✓		✓		✓	✓	
MX-5250	✓				✓			✓
MX-5251	✓	✓			✓	✓		✓

## **HAND-PIECES & CARTRIDGES**

The MX-5200 Series offers users a choice of hand-pieces to meet the customer's application needs. Each hand-piece has its own range of cartridges with many choices available for tip geometry and temperature.



<sup>\*</sup> The MX-H2-UF, MX-H1-AV, MX-PTZ and MX-DS1 hand-pieces are backward compatible with the Metcal MX-500 Soldering and Rework System.

<sup>\*\*</sup> The STTC and SMTC cartridges are also compatible with the Metcal MX-500 Soldering and Rework System and the MX-RM3E.

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## **ACCESSORIES**

MX-H1-BSR-5	SLEEVE, BLACK, ADV HP GRIP, RING PATTERN (QTY=5)
MX-H1-BSS-5	SLEEVE, BLACK,ADV HP GRIP, SCALLOP PATTERN (QTY=5)
MX-H1-GSK-5	RUBBER GRIP, KNOB GREEN, MX-5000
MX-H2-BSR-5	SLEEVE, BLACK, UF HP GRIP, RING PATTERN (QTY=5)
MX-H2-BSS-5	SLEEVE, BLACK, UF HP GRIP, SCALLOP PATTERN (QTY=5)
MX-H2-GSK-5	RUBBER GRIP, UFHP GRIP, KNOB GREEN, MX-5000

## **TECHNICAL SPECIFICATIONS**

Ambient Operating Temperature	10 - 40 °C			
Maximum Enclosure Temperature	55 °C			
Input Line Voltage	100 - 240 VAC, grounded circuit			
Input Line Frequency	50/60 Hz			
Power Consumption	125W			
Output Power	80 Watts max. per channel at 22°C ambient temperature			
Output Frequency	13.56 MHz			
Power Cord 3-Wire	183 cm (72") SJT			
Power Supply Dimensions w x d x h	12.1 cm (4.8") x 13.0 cm (5.1") x 23.5 cm (9.3")			
Certification / Marking	cTUVus, CE			
Tip-to-Ground Potential	<2mV			
Tip-to-Ground Resistance	<2 ohms			
Idle Temperature Stability	3 1.1°C in still air			
Hand-piece Cable Length	L=122 cm (48"), burn proof, ESD safe			
Hand-piece Connector	F connector			
Workstand Dimensions w x d x h	8.6 cm (3.4") x 19.1 cm (7.5") x 8.3 cm (3.3")			
Weight of the power supply	7.4 lbs (3.35 kg)			
Weight of the workstand	1.05 lbs (.476 kg)			

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