MX-5200 Dual Simultaneous Soldering, Desoldering and Rework Series

From

Twice the Fun!
The new MX-5200 Soldering, Desoldering and Rework Series offers the same increased productivity and process control as the MX-5000 Series, now 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 CONFIGURATION

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>MX-PS5200 Power Supply</th>
<th>Hand-pieces</th>
<th>TipSaver™ Workstands</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>MX-H1-AV</td>
<td>MX-H2-UF</td>
</tr>
<tr>
<td>MX-5210</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MX-5211</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MX-5220</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MX-5241</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MX-5250</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MX-5251</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

New 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

New MX-5251 Soldering, Desoldering and Rework System
For through-hole desoldering, general soldering, and SMD rework applications. Includes two hand-pieces: the Advanced™ Hand-piece and the MX-DS1 Desoldering hand-piece. Ideal for mixed technology boards. Provides versatility for addressing soldering & rework tasks.
Soldering cartridges: STTC and SMTC Series. Desoldering cartridges: STDC Series

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

MX-5220 UltraFine™ Soldering System
Configured with the UltraFine™ Soldering Hand-piece which is a specialty tool for soldering and touch-up of very small components, restricted access or high density component packaging on a PCB.
Soldering cartridges: New range of UFRC 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.

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

SYSTEMS WITH ONE HAND-PIECE

SYSTEMS WITH TWO HAND-PIECES
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.

ACCESSORIES

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MX-W1AV</td>
<td>Metcal TipSaver™ Workstand, for Advanced™ &amp; UltraFine™ Hand-pieces</td>
</tr>
<tr>
<td>MX-W4PT</td>
<td>Metcal TipSaver™ Workstand, for MX-PTZ Hand-piece</td>
</tr>
<tr>
<td>MX-W5DS</td>
<td>Metcal TipSaver™ Workstand, for MX-DS1 Hand-piece</td>
</tr>
<tr>
<td>MX-H1GR</td>
<td>Grip Metcal Advanced™ Hand-piece with black sleeve in ring pattern</td>
</tr>
<tr>
<td>MX-H1GS</td>
<td>Grip Metcal Advanced™ Hand-piece with black scallop pattern</td>
</tr>
<tr>
<td>MX-H1GKG</td>
<td>Grip Metcal Advanced™ Hand-piece with green knob pattern</td>
</tr>
<tr>
<td>MX-H2GR</td>
<td>Grip Metcal UltraFine™ Hand-piece with black sleeve in ring pattern</td>
</tr>
<tr>
<td>MX-H2GS</td>
<td>Grip Metcal UltraFine™ Hand-piece with black sleeve in scallop pattern</td>
</tr>
<tr>
<td>MX-H2GKG</td>
<td>Grip Metcal UltraFine™ Hand-piece with green sleeve in knob pattern</td>
</tr>
</tbody>
</table>

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: ± 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 (0.476 kg)