

MFR-2200 Series Dual Simultaneous Output Soldering and Rework System



One power supply.
Two simultaneous ports.
Three hand-pieces to choose from.

MFR Series with SmartHeat® Power and Control

The MFR-2200 Series Soldering and Rework Systems provide a high power, flexible solution for production soldering, touch-up soldering and SMD rework. SmartHeat® responds to the load, delivering the energy required for each connection, while protecting sensitive components and substrates from damage. With SmartHeat® technology, users are assured of highly responsive and controlled heating.

The MFR-2200 series features dual output capability which allows the user to select operation of one hand-piece or two hand-pieces **simultaneously**. One or two hand-piece operation is easily chosen via a front panel switch. Most importantly, the MFR-2200 contains two separate power supplies. *This means that full power is available for each hand-piece that is in use.*

Multiple Hand-pieces Increases Flexibility

The MFR-2200 Series has three hand-pieces that can be used with the system. The MFR-H1-SC Cartridge Hand-piece offers a comprehensive range of soldering and rework cartridges, similar to our popular Metcal range, that provide fine-access soldering tips, SMD rework tips and pad clean-up blade tips.

A hand-piece for production soldering, MFR-H2-ST, features high power and tips designed for production soldering environments.

A third option for the system is the MFR-H4-TW Precision Tweezers Hand-piece. This hand-piece is ideal for SMD removal of 0201 resistors to 28 mm long SOIC.



MFR-2200 Series Dual Simultaneous Output Soldering and Rework System

Key Features & Benefits

- SmartHeat® Technology provides exceptional power for high thermal demand applications
- Dual **simultaneous** outputs allow for single or dual operator use
- Allows one operator to use two hand-pieces together
- Each hand-piece has a comprehensive range of cartridges or tips for maximum application flexibility
- Three hand-pieces increase application solutions for soldering and rework on one system
- Hand-pieces are ergonomic for operator safety and comfort

SYSTEM CONFIGURATIONS

Part Number	Description
MFR-2210	Dual output, one cartridge soldering hand-piece, workstand
MFR-2220	Dual output, one tip soldering hand-piece, workstand
MFR-2240	Dual output, one precision tweezers hand-piece, workstand
MFR-2211	Dual output, two cartridge soldering hand-pieces, workstands
MFR-2222	Dual output, two tip soldering iron hand-pieces, workstands
MFR-2241	Dual output, one precision tweezers, one cartridge soldering hand-piece, workstands

System Number and Components	MFR-PS2200 Power Supply	MFR-H1-SC Soldering hand-piece - cartridge	MFR-H2-ST Soldering hand-piece - tip	MFR-H4-TW Tweezers hand-piece - cartridge	WS1 Universal Soldering hand-piece workstand	MFR-WSPT Tweezers workstand
MFR-2210	1	1			1	
MFR-2220	1		1		1	
MFR-2240	1			1		1
MFR-2211	1	2			2	
MFR-2222	1		2		2	
MFR-2241	1	1		1	1	1

SYSTEM COMPONENTS

Part Number	Description
MFR-H1-SC	Hand-piece, Soldering Cartridge
MFR-H2-ST	Hand-piece, Soldering Tip
MFR-H4-TW	Hand-piece, Tweezers Cartridge
MFR-PS2200	Power Supply, Dual Output
WS1	Auto Sleep Workstand for Cartridge Soldering (MFR-H1-SC) or Tip Soldering (MFR-H2-ST) Hand-pieces, Black Cradle (standard with system)
WS1G	Auto Sleep Workstand for Cartridge Soldering (MFR-H1-SC) or Tip Soldering (MFR-H2-ST) Hand-pieces, Green Cradle (optional)
MFR-WSPT	Workstand for Tweezers Hand-piece (MFR-H4-TW), Black Cradle (standard)

UPGRADE KITS

Part Number	Description
MFR-UK1	Upgrade Kit: Solder Cartridge Hand-piece (MFR-H1-SC) and Workstand (WS1)
MFR-UK2	Upgrade Kit: Solder Tip Hand-piece (MFR-H2-ST) and Workstand (WS1)
MFR-UK4	Upgrade Kit: Tweezers Hand-piece (MFR-H4-TW) and Workstand (MFR-WSPT)

ACCESSORIES AND SPARES

Part Number	Description
MFR-CA2	Coil Assembly, Soldering Tip Hand-piece (MFR-H2-ST)
MFR-PM70	Power meter, MFR (optional)
AC-CP2	Cartridge / Tip Removal Pad
AC-BP	Brass Pad (pack of 10)

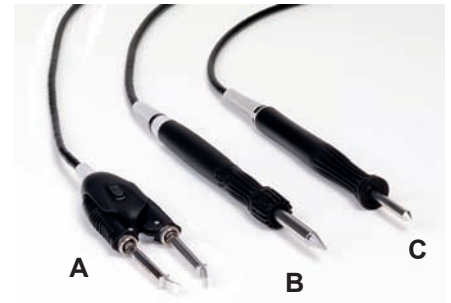
SOLDERING AND REWORK CARTRIDGES AND TIPS

Hand-piece	Tip or Cartridge Series
MFR-H1-SC	SxP Soldering Cartridges <i>and</i> RxP Rework Cartridges
MFR-H2-ST	SxV Series Production Soldering Tips <i>and</i> CxV "Clean-up" Blade Tips for Pad Clean-up
MFR-H4-TW	TxP Series Cartridges for SMD Rework

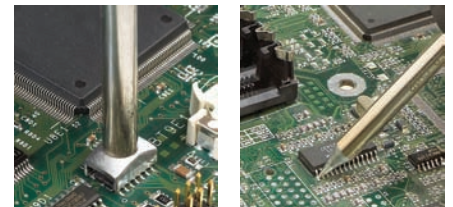
To view the complete range of cartridges and tips please visit www.okinternational.com



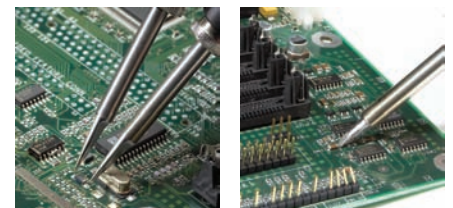
Three position switch. Select left, right or center (both ports operational) to power hand-pieces



MFR-2200 Series Hand-pieces
A. MFR-H4-TW Precision Tweezer
B. MFR-H2-ST Soldering Tip
C. MFR-H1-SC Soldering Cartridge



The Cartridge hand-piece uses small diameter cartridges for easy access and includes a full range for SMD rework.



Precision Tweezers rework SMD components with fine dimension to large blade geometries, while the Soldering Tip hand-piece has exceptional power for production soldering.

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APPLICATION Advantage
PRODUCTIVITY Advantage
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