

MFR-1300 Dual Switchable Output

Soldering & Desoldering Systems with Internal Air

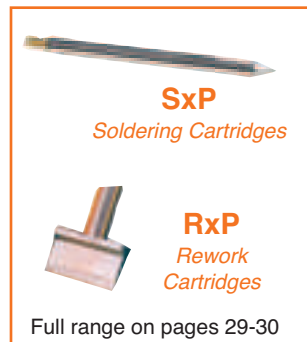
The MFR-1300 Desoldering and Rework System features a innovative desoldering hand-piece and a power supply with an **internal pump** providing 0.7 bar of vacuum suction force making through-hole desoldering easy.

Key Features & Benefits

- ▶ Self-contained powerful vacuum pump
- ▶ 2 in 1 ergonomic and flexible hand-piece
- ▶ Recyclable collection chamber with increased capacity
- ▶ Quick and easy change collection chamber
- ▶ Dual switchable output
- ▶ Powered by Smartheat® Technology
- ▶ Compatible with previous MFR Desolder range



Part No.	Description
MFR-1350	Desolder System with Internal Pump*
MFR-1351	Solder / Desolder System with Internal Pump**
<i>Includes:</i>	
MFR-PS1300	Power Supply
MFR-H5-DS	Desolder hand-piece*
MFR-H1-SC2	Solder Cartridge hand-piece*
MFR-WSDSU	Workstand for Desolder hand-piece*
WS1	Workstand for Solder hand-piece*



Technical Specifications

	MFR-1350/51
Input Line Voltage	100-240 VAC
Input Line Frequency	50/60Hz
Power Consumption	110 Watts max. (Power Supply MFR-PS1300)
Output Power	60 Watts Max *
Output Frequency	450 KHz *
Idle Tip temperature stability	+/- 1.1°C (2°F) in still air
Ambient Operating Temperature	10 - 40°C (50 - 104°F)
Maximum Enclosure Temperature	55°C (131°F)
Noise level	< 55 dB
Vacuum suction force	0.7 bar (21in Hg at Vacuum pump at sea level)
Power Cord (3-wire)	183cm (72")
Desolder Hand-piece cable length	152 cm (60"), burn proof, ESD safe
Solder Hand-piece cable length	122 cm (48"), burn proof, ESD safe
Hand piece connector	8 pin power connector
Tip to ground Potential	<2mV
Tip to ground resistance	<2 Ohms
Surface Resistivity	10 ⁵ – 10 ⁹ Ohms
Approvals	cTUVus, CE
Dimensions (approx.) W x D x H	170mm x 200mm x 152.5mm (7" x 8" x 6")
Workstand dimensions	100mm x 200mm x 100mm (4" x 8" x 4")

* RF SmarHeat Technology provides greater power. More details at www.metcal.com/smarheat



Pencil



Pistol

Accessories and Spare Parts

For MFR and PS Series

Hand-pieces and replacement coils

PS-HC3	Soldering Handle with PS-CA3 Coil Assembly (PS-900)
PS-H3	1 Soldering Handle without Coil Assembly (PS-900)
PS-CA3	2 Coil Assembly for PS-HC3 / PS-H3 Hand-piece (PS-900)
MFR-H1-SC2	3 Cartridge Solder / Rework Hand-piece (MFR)
MFR-H2-ST2	4 Tip Solder Hand-piece (MFR)
MFR-CA3	Coil Assembly for MFR-H2-ST2 Hand-piece (MFR)
MFR-H4-TW	5 Precision Tweezer Hand-piece (MFR)
MFR-H6-SSC	6 SSC Cartridge Solder Hand-piece (MFR)
MFR-H5-DS	7 Desolder Hand-piece
MFR-HSREC	Cartridge Solder / Rework Hand-piece with long cord (1.83m / 6ft)
MFR-HSRLR	8 Cartridge Solder / Rework Hand-piece with long reach access

Workstands

WS1	Universal Auto Sleep Workstand
WS2	Round Auto Sleep Workstand
WS2-NS	9 Solder Workstand (PS-900)
MFR-WSPT	10 Non Sleeper Precision Tweezer Workstand
MFR-WSDSX	11 Venturi Workstand for Desolder Hand-piece
MFR-WSDSU	Non Sleeper Workstand for Desolder Hand-piece
WS1CB	Solder Rework Cradle Replacement for WS1 Workstand
WS2CB	Solder Rework Cradle Replacement for WS2 Workstand
MFR-WSDSCB	Replacement cradle for all MFR Desolder Workstands
AC-PTP-1	Rubber tip cleaning pad insert* (1)
AC-PTP-3	Rubber tip cleaning pad insert* (3)
AC-PTP-10	Rubber tip cleaning pad insert* (10)

* for all rectangular MFR workstands

Upgrade Kits

MFR-UK1	Solder Cartridge Hand-piece (MFR-H1-SC2) and Workstand (WS1)
MFR-UK2	Solder Tip Hand-piece (MFR-H2-ST2) and Workstand (WS1)
MFR-UK4	Tweezer Cartridge Hand-piece (MFR-H4-DS) and Workstand (MFR-WSPT)
MFR-UK5	Desolder Hand-piece (MFR-H5-DS) and Workstand (MFR-WSDSX)
MFR-UK6	Solder Cartridge Hand-piece (MFR-H6-SSC) and Workstand (MFR-WS2)
MFR-H5-DS-C	Desolder Hand-piece (MFR-H5-DS) and Workstand cradle (MFR-WSDSCB)

Lead-Free Process Identification

WS1G	12 Green Universal Auto Sleep Workstand
WS2G	Green Solder Workstand (PS-900)
WS1CG	Green Solder Rework Cradle Replacement for WS1 Workstand
WS2CG	Green Solder Rework Cradle Replacement for WS2 Workstand
AC-CK1	13 Green Identification Ring for OKI Cartridges (Pack of 50)
AC-CK3	Green Identification Ring for SSC Cartridges (Pack of 50)
AC-CK4	14 Green Identification Ring for OKI Tips (Pack of 50)

Miscellaneous Accessories

AC-BRUSH	15 Soft Brass Brush
AC-CP2	Cartridge and Tip Removal Pad
AC-FX1	16 Fume Extraction Kit
AC-IK	Interlocking / Mounting Kit
MFR-PM70	Power Meter for MFR Series
PS-PM900	Power Meter for PS-900
AC-Y10	Yellow Sponge for WS1 Workstand (Pack of 10)
AC-YS4	Yellow Sponge Round for WS2 Workstand (Pack of 10)
AC-BP	Brass Pad (Pack of 10)

Desoldering Accessories

MFR-DC10	17 Disposable Collection Chamber for MFR-H5-DS (pack of 10)
MFR-DC100	Disposable Collection Chamber for MFR-H5-DS (pack of 100)
MFR-HDCA	18 Coil Assembly for MFR Desolder Hand-piece
MFR-PG	Replacement Pistol grip for MFR-H5-DS Hand-piece
AC-SK1	Seal Kit Collection Chamber (pack of 2)
AC-VP	Vacuum Port
AC-VL	ESD Air Hose
AC-VPF	Vacuum Port Filter (pack of 5)
LM-PS	Power supply for MFR-WSDSX with multi plug adapters
AC-TC	Desoldering Tip Cleaner Tool

