

MX-500



MX-500

Soldering, Desoldering & Rework System

Industry Standard, Soldering, Desoldering And Rework System

Metcal's MX-500 Soldering, Desoldering & Rework System is the benchmark against which other soldering, desoldering and rework systems are measured. Flexible, fast and powerful, the MX-500 Soldering, Desoldering & Rework System raises bench-top conduction soldering to a new level of process control, productivity and throughput.



Higher Throughput At Lower Temperatures

Unlike conventional soldering/rework systems that rely on stored energy, Metcal systems use SmartHeat® for direct power on demand. Despite its capacity to work at lower, safer temperatures, SmartHeat® still delivers the fastest temperature recovery, joint-to-joint, in the industry.

Versatility Without Compromise

Metcal's MX-500 Soldering, Desoldering & Rework System handles both SMT and through-hole soldering/rework with one power supply at the bench. With two switchable outputs, the system can be adapted to your exact needs, using two of the three tools available (soldering iron, Talon® tweezers, desolder gun) to configure the most powerful bench-top soldering/rework system on the market. In addition, the MX-500 Soldering, Desoldering & Rework System's power supply has an automatic shut-off, which helps maximise tip cartridge life, and a standard four year warranty.

Unrivalled Comfort And Simplicity

The short tip-to-grip distance, characteristic of the Metcal hand-piece, improves process precision, especially for fine-pitch applications. The easy-squeeze design of Metcal's Talon® tweezers has been ergonomically designed for superior performance, unmatched comfort and optimum control.

MX-500S SMT SOLDERING/REWORK SYSTEM

Part No.	Description
MX-500S-11	Two Port 100/120 VAC, Solder System
MX-500S-21	Two Port 220/240 VAC, Solder System
INCLUDES	
MX-500P	Two Port Switchable Power Supply with Power Cord*
MX-RM3E	Rework Hand-Piece with Cord
MX-WS4	MX Workstand with YS3 Sponge
AC-YS3	Sponge
AC-CP2	Cartridge Removal Pad



MX-500TS SMT REWORK/TALON® SYSTEM

MX-500TS-11	Two Port 100/120 VAC, Solder/Talon® System
MX-500TS-21	Two Port 220/240 VAC, Solder/Talon® System
INCLUDES	
MX-500P	Two Port Switchable Power Supply with Power Cord
MX-TALON	Talon® Hand-Piece with Cord
MX-WS5	DS1/Talon® Workstand with YS3 Sponge
MX-RM3E	Rework Hand-Piece with Cord
MX-WS4	MX Workstand with YS3 Sponge
AC-YS3	Sponge (2)
AC-CP2	Cartridge Removal Pad (2)



TALON® UPGRADE KITS

MX-TALON-01	Talon® Upgrade Kit
INCLUDES	
MX-TALON	Talon® Hand-Piece with Cord
MX-WS5	DS1/Talon® Workstand with YS3 Sponge
AC-YS3	Sponge
AC-CP2	Cartridge Removal Pad

Tip cartridges sold separately for all systems.

MX-500





Soldering, Desoldering & Rework System

Pistol Grip SMT Desoldering/Rework System

The MX-500DS Desoldering/Rework System converts shop air into a powerful Venturi vacuum to clean through-holes quickly and efficiently. Paper solder collection liners within the hand-piece barrel are easy to maintain and are an improvement upon traditional glass tubes.

Please note: The MX-500DS Desoldering/Rework System requires shop air for desoldering. If shop air is not available, Metcal recommends the SP440 Self-Contained Desoldering System.

MX-500DS SMT DESOLDERING/REWORK SYSTEM

Part No.	Description
MX-500DS-11	Two Port 100/120 VAC, Desolder/Solder System
MX-500DS-21	Two Port 220/240 VAC, Desolder/Solder System

INCLUDES

MX-500P	Two Port Switchable Power Supply with Power Cord
MX-DS1	Desoldering Hand-Piece
MX-RM3E	Rework Hand-Piece with Cord
MX-RM8E	Desoldering Cord
MX-DAH4	ESD Air Hose with Fitting
MX-WS5	DS1/Talon® Workstand with YS3 Sponge
AC-YS3	Sponge (2)
AC-CP2	Cartridge Removal Pad (2)
AC-CB1	Cleaning Brush
AC-CB2	Tube Cleaning Brush
MX-DCF1	Chamber Liner and Filter Pack
AC-TC	Desoldering Tip Cleaner
MX-WS4	MX Workstand with YS3 Sponge



DESOLDER UPGRADE KIT

MX-D001	Desolder Upgrade Kit
----------------	----------------------

INCLUDES

MX-DS1	Desoldering Hand-Piece
MX-RM8E	Desoldering Cord
MX-DAH4	ESD Air Hose with Fitting
MX-WS5	DS1/Talon® Workstand with YS3 Sponge
AC-YS3	Sponge
AC-CP2	Cartridge Removal Pad
AC-CB1	Cleaning Brush
AC-CB2	Tube Cleaning Brush
MX-DCF1	Chamber Liner and Filter Pack
AC-TC	Desoldering Tip Cleaner



Tip cartridges sold separately for all systems.

MX-500

Accessories & Spare Parts

HAND-PIECES AND CORDS

Part No.	Description
A MX-RM3E	ESD Solder Handle W/CP2 for MX-500 Systems
B MX-RM6E	ESD Long Reach Solder Handle W/CP2 for MX-500
C MX-TALON	Talon® Hand-Piece with Cord
D MX-DS1	Desolder Hand-Piece
E MX-RM8E	DS1 Desolder Cord
F MX-DAH4	ESD Air Hose, standard with fitting
MX-RM5E	Standard Robotic Cable, 1-piece, 6' (1.83m)**

WORKSTAND ITEMS

G MX-WS5	DS1/Talon® Workstand with YS3 Sponge
H MX-WS4	MX Workstand with YS3 Sponge
I MX-WSC5	Talon® Cradle
J MX-WSC4	MX-RM3E / 6E Cradle
AC-YS1-P	WS1 Sponge (1.7" x 2.7" x 1.0") (Pack of 50)**
AC-YS3-P	MX, SP & DP Workstand Sponge (Pack of 50)**

MISCELLANEOUS ACCESSORIES

K AC-TSTAND	Tip Stand
L AC-CP2	Cartridge Removal Pad
M AC-BRUSH-P	Soft Brass Brush Cleaner (Pack of 6)
N MX-DHS	Dual Handle Support (use with dual heater SMTCs)
O STSS-TEMPLATE	SMTC Tip Selection Template
P AC-TCASE	Tip Case for STTC/SSC (holds 10 tips)*
MX-FX2	Fume Extraction Tube and Clamp**

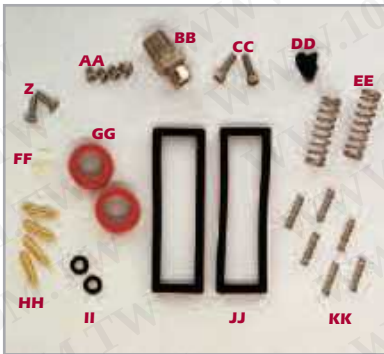
* Tips not included ** Not shown



DESOLDERING ACCESSORIES

Q	MX-DCF1	DS1 Filter Pack: 15 chamber liners, 6 fume filters
	MX-DCF1L	DS1 Chamber Liners (Pack of 40)**
	MX-DCF1F	DS1 Fume Filters (Pack of 20)**
R	MX-DAR1	Air Regulator and Filter with Fittings
S	AC-TC-P	Desolder Tip Cleaner (Pack of 12)
T	AC-CB1-P	Desolder Chamber Cleaning Brush (Pack of 25)
U	AC-CB2-P	Desolder Tube Cleaning Brush (Pack of 6)
V	MX-DVC1	Venturi Cartridge for Desolder Gun
W	MX-DSL1	DS1 Chamber Seal
X	MX-DSL2	DS1 Cartridge Seal
Y	MX-DSB	Desolder Gun Swivel Bushing
	MX-DLA	Desolder Gun Latch Adjustment (Pack of 10)*

* Not shown



DESOLDERING MAINTENANCE KIT

MX-DMK1	DS1 Maintenance Kit
----------------	---------------------

INCLUDES

Z	Long Phillips Screws (Pack of 2)**
AA	Short Phillips Screws (Pack of 4)**
BB	MX-DSB Desolder Gun Swivel Bushing
CC	Hex Screws (Pack of 2)**
DD	MX-DLA Desolder Gun Latch Adjustment (Pack of 10)
EE	Large Springs (Pack of 2)**
FF	Nylon Screws (Pack of 2)**
GG	MX-DSL2 DS1 Cartridge Seal (Pack of 2)
HH	Hinge Pins (Pack of 4)**
II	O-Rings (Pack of 2)**
JJ	MX-DSL1 DS1 Chamber Seal (Pack of 2)
KK	Small Springs (Pack of 6)**
	MX-DUC DS1 Upper Chamber (Type II Desolder Tool only)*

* Not shown ** Not sold separately



OTHER SYSTEM COMPONENTS

POWER SUPPLY AND POWER METER

MX-500P-11	Two Port 100/120 VAC Power Supply
MX-500P-21	Two Port 220/240 VAC Power Supply
MX-NPM	Net Power Meter

MX-500

