

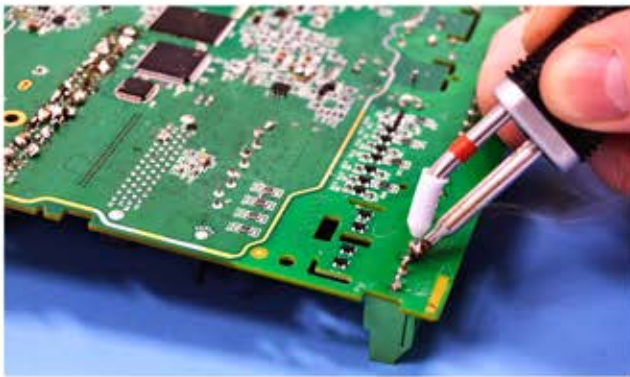
# Metcal Solder Wire Feeder System

Speed. Control. Convenience.



## SPEED UP YOUR SOLDERING PROCESS & INCREASE YOUR LINE EFFICIENCY

Metcal's Solder Wire Feeder System adds control and convenience to your soldering process. The digital controls, high performance, and its ability to handle multiple solder wire diameters provide repeatability and functionality to your process. The Solder Wire Feeder pairs with Metcal's SmartHeat® MX-5200 or MX-500 Soldering and Rework Systems.



## FEATURES & BENEFITS

- **Digital Controls with multiple Modes of Operation:** Forward Feed, Retraction, Delay, and Speed are programmable parameters in either the automatic, forward, or the backward mode of operation.
- **Large LCD Display:** Displays program parameters and a cycle counter with the selectable unit of measure, millimeters or inches.
- **Internal Program Storage:** Stores internally thirty (30) programs allowing the operator to select the right program for the right application
- **Password Protection:** Prevents unintended changes to stored programs
- **Multiple Solder Diameters:** Compatible with solder diameters 0.3mm to 1.27mm
- **Solder Feed Blades:** Reduces the tendency for solder balls to form at point of use
- **Solder Spool Lock:** Secures the solder spool to the unit
- **Universal Power Supply:** Automatically senses the input line voltage and adjusts accordingly, which allows for worldwide operation without adaptors or a change in performance

## SOLDER WIRE FEEDER SYSTEM INCLUDES

USF-1000 Solder Wire Feeder Unit  
MX-H7-SF - Handpiece for solder feeder  
USF-FTA-12 - 1.2mm clear feeder tube assembly  
USF-GTA-12 - 1.2mm guide tube/teflon nozzle  
WS1 - Sleeper workstand  
Foot Switch  
AC-DC Power Adapter



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### SYSTEM CONFIGURATIONS & UPGRADE KIT

#### MX-5270 Soldering / Rework System with USF-1000

MX-PS5200 Power Supply, USF-1000 Solder Feeder, MX-H7-SF Solder Feeder Hand-Piece, USF-FTA-12 Feeder Tube Assembly, USF-GTA-12 Teflon Nozzle, Footswitch and WS1 Sleeper Work Stand

#### MX-570 Soldering / Rework System with USF-1000

MX-500P Power Supply, USF-1000 Solder Feeder, MX-H7-SF Solder Feeder Hand-Piece, USF-FTA-12 Feeder Tube Assembly, USF-GTA-12 Teflon Nozzle, Footswitch and WS1 Sleeper Work Stand

#### MX-UK7

USF-1000 Solder Feeder, MX-H7-SF Solder Feeder Hand-Piece, USF-FTA-12 Feeder Tube Assembly, USF-GTA-12 Teflon Nozzle, Footswitch and WS1 Sleeper Stand



### ACCESSORIES & SPARES

|            |   |
|------------|---|
| MX-H7-SF   | Solder Wire Feeder Hand-Piece for MX system     |
| USF-FTA-12 | Feeder Tube Assembly, 0.56-0.71mm wire diameter |
| USF-FTA-17 | Feeder Tube Assembly, 0.79-1.27mm wire diameter |
| USF-GTA-06 | Guide Tube and Teflon Nozzle, 0.6mm             |
| USF-GTA-12 | Guide Tube and Teflon Nozzle, 1.2mm             |
| USF-GTA-17 | Guide Tube and Teflon Nozzle, 1.7mm             |
| USF-TN06   | Teflon Nozzle for USF-GTA-06 (10 Pack)          |
| USF-TN12   | Teflon Nozzle for USF-GTA-12 (10 Pack)          |
| USF-TN17   | Teflon Nozzle for USF-GTA-17 (10 Pack)          |
| WS1        | Work Stand                                      |



### TECHNICAL SPECIFICATIONS

|                        |  |
|------------------------|--|
| Input Voltage          | 110 - 230V   |
| Power                  | 18W max.   |
| Dimensions - W x D x H | 118 x 246.5 x 125.1mm (4.65" x 9.7" x 4.95")             |
| Weight                 | 1.9kg (4.15 lbs.)  |
| Operating Temperature  | 0 - 50°C (32 - 122°F)                                    |
| Solder Diameter        | 0.3 - 1.27mm   |
| Spool Capacity         | Up to 1 kg. (2.2 lbs.)                                   |
| Wire Length            | 0.2 - 200mm ±0.5   |
| Forward Speed          | 0.5 - 100mm/sec (0.5mm/sec increments)                   |
| Reverse Speed          | 0.5 - 100mm/sec (0.5mm/sec increments)                   |
| ESD Safe               | 10 <sup>5</sup> - 10 <sup>9</sup> Ω/square per ASTM D257 |
| Program Memory         | 30 set-ups   |
| Configuration          | Standalone   |

