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## Products & Applications

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### Technical Specification

MFR-2210, MFR-2220, MFR-2241

#### Input Line Voltage / Freq

100- 240 VAC, 50/60 Hz

#### Power Consumption:

130 W

#### Output Power Maximum:

60 Watts max. at 22°C

#### Idle Temperature Stabilization

Ambient Operating Temp

10- 40°C (50°F - 104°F)

#### Maximum Enclosure Temperature

Power Cord 3-Wire: 183cm

(S = 600 Volt Service Cord

Volt, T = Thermoplastic)

#### Hand-piece Cable Length

L=122cm (48"), burn resist

#### Hand-piece Connector:

8- Tip-to-Ground Potential:

Tip-to-Ground Resistance

#### Certification / Marking:

Power Supply Dimension:

170mm x 200mm x 152.5mm

#### Workstand Dimensions

100 mm x 200 mm x 100 mm

#### Surface Resistivity:

10<sup>5</sup>-10<sup>6</sup> Ω

#### Weight:

MFR-PS2200: 2.97 kg (6.5

## MFR-2240

Use the precision tweezers to rework SMD components with fine dimension to large blade geometries..

### Key Features & Benefits

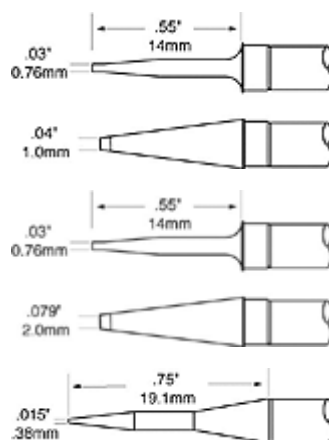
- SmartHeat® Technology provides exceptional power for high thermal demand applications
- Dual **simultaneous** outputs allow for single or dual operator use
- Allows one operator to use one or two hand-pieces together
- Offers a comprehensive range of tweezer cartridges
- Hand-pieces are ergonomic for operator safety and comfort

### MFR-2240 Dual output, one precision tweezers hand-piece, workstand

| Part No.        | Description                                                            |
|-----------------|------------------------------------------------------------------------|
| MFR-2240        | Dual output, one precision tweezers hand-piece, workstand              |
| <b>Includes</b> |                                                                        |
| MFR-HR-TW       | Hand-piece, Tweezers Cartridge                                         |
| MFR-PS2200      | Power Supply, Dual Simultaneous Output                                 |
| MFR-WSPT        | Workstand for Tweezers Hand-piece (MFR-H4-TW), Black Cradle (standard) |

*Contents subject to change without notice"*

## Precision Tweezer Cartridges



**TFP-BLP1**  
Tweezer Cartridge, Blade 1.0mm  
(0.04") Pair

**TFP-BLP2**  
Tweezer Cartridge, Blade 2.0mm  
(0.08") Pair

**TFP-CNP1**  
Tweezer Cartridge, Conical 0.4mm  
(.015") Pair

**Hand-piece:** 0.115 kg (0.25 lbs)  
**Workstand:** 0.686 kg (1.51 lbs)  
**MFR-PS2200 w/ 2 hand-pieces:** 4.57 kg (10.08 lbs)

### Soldering Tip Heater

With hand soldering, the solder connection, the substrate and without throughput. All of the soldering tips & rework cartridge with glass fiber (FR4) denoted by the second letter "F". For example: **SFP**-(CNL10).

However, some special working with their temperature sensitive ceramic hybrids or International has developed that quickly deliver the heat to operate at temperature of substrate damage. replacing the "F" in the code for temperature sensitive loads. Please contact us for information and availability of heaters. For example: **S**

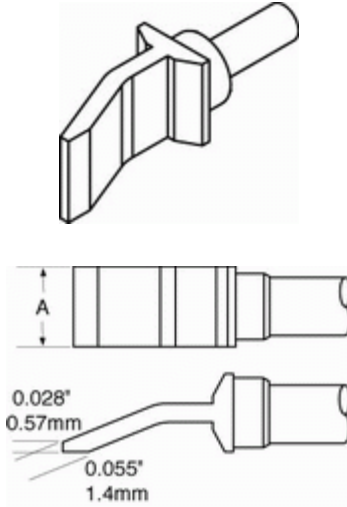
**F** = Standard  
**T** = Temperature  
**C** = Ceramic



Precision

## Standard Tweezer Cartridges

### BLADE TIPS



**TFP-BLH40**

Heavy Duty Tweezer Pair

A=6.35mm (.25")

**TFP-BLH50**

Heavy Duty Tweezer Pair

A=16mm (.62")

**TFP-BLH60**

Heavy Duty Tweezer Pair

A=20.5mm (.81")

**TFP-BLH70**

Heavy Duty Tweezer Pair

A=28mm (1.1")



Precision Twe

To order specialty versions of the Precision Tweezer Cartridges replace the "F" in the part number with the appropriate letter designate for your application when ordering:

**T** = Temperature Sensitive **C** = Ceramic or Heavy Load

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Work listed are for indication/guidance only. Numbers have been rounded.

up. Please contact your local technical support if you require specific technical information.