

Soldering Tools and Equipment

Product Catalog 2010



Soldering/Desoldering

Convection Rework

Fume Extraction

Fluid Dispensing



KREPRO

www.krepro.no

OKI

www.beasuperproducer.com

MFR-1100 Series Single Output Soldering & Rework System



The MFR-1100 Single Output Series is designed to minimize training investment, maximize application solutions and increase productivity.

This Series is highly **versatile** in that it can be used with either a soldering tip, cartridge or tweezers and offers a choice of four hand-pieces.



Systems	MFR-PS1100 Power Supply	MFR-H1-SC Soldering Cartridge Hand-piece	MFR-H2-ST Soldering Tip Hand-piece	MFR-H4-TW Tweezer Hand-piece	MFR-H6-SSC SSC Cartridge Hand-piece	WS1 Soldering Workstand	MFR-WSPT Tweezer Workstand	WS2 Soldering Workstand
Picture Reference		1	2	3	4	5		6
MFR-1110	1	1				1		
MFR-1120	1		1			1		
MFR-1140	1			1			1	
MFR-1160	1				1			1
MFR-1161	1	1			1	1		1

Note: The MFR-1160 is replacing the Metcal SP200 Soldering System

CARTRIDGES



See Pages 15 & 16

TIPS



See Pages 13 & 14

CARTRIDGES



See Page 17

CARTRIDGES



See Page 18

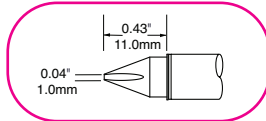


Application Advantage

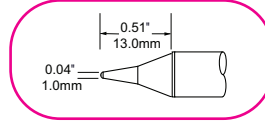
Multiple hand-pieces offering a wide range of applications.

SxV and CxV Soldering Tips

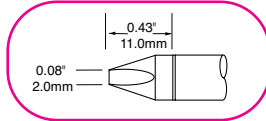
The SxV and CxV tips are for use with the soldering tip hand-pieces of the PS and MFR Platforms and are recommended for heavy duty applications. Full range available at www.okinternational.com.



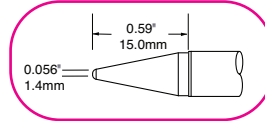
SFV-CH10
Chisel Solder Tip 30°
1.0mm (.04")



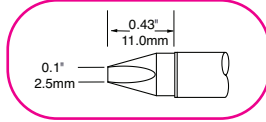
SFV-CNL10
Conical Long Solder Tip
1.0mm (.04")



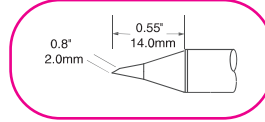
SFV-CH20
Chisel Solder Tip
2.0mm (.08")



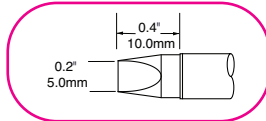
SFV-CNL14
Conical Long Solder Tip
1.4mm (.056")



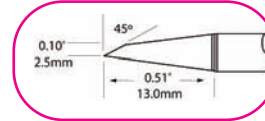
SFV-CH25
Chisel Solder Tip
2.5mm (.10")



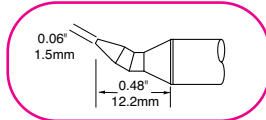
SFV-DRH20
Conical Bevel Solder Tip
2.0mm (.08")



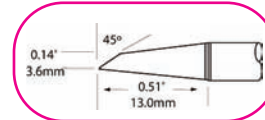
SFV-CH50
Chisel Solder Tip
5.0mm (.20")



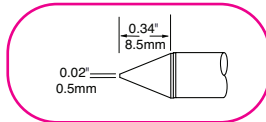
SFV-DRH20CP
Drag Soldering Tip Hoof
2.5mm (.10")



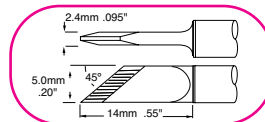
SFV-CHB15
Chisel Bent 30° Solder Tip
1.5mm (.06")



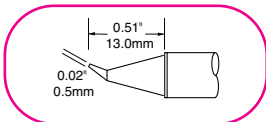
SFV-DRH30CP
Drag Soldering Tip Hoof
3.6mm (.14")



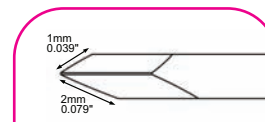
SFV-CN05
Conical Solder Tip
0.5mm (.02")



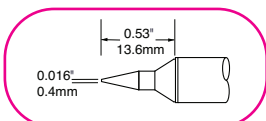
SFV-DRK50
Knife Solder Tip
5.0mm (.20")



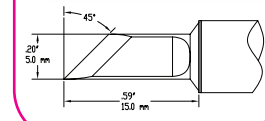
SFV-CNB05
Conical Bent Solder Tip
0.5mm (.02")



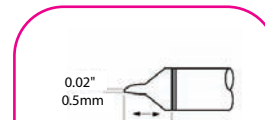
SFV-DRK50S
Drag Soldering Tip Knife
5.0mm (.20")



SFV-CNL04
Conical Long Solder Tip
0.4mm (.016")



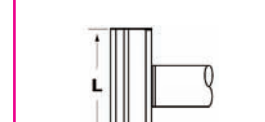
CFV-BL100
Blade Tip L=10mm (.40")



CFV-BL250
Blade Tip L=25mm (1")



CFV-BL350
Blade Tip L=35mm (1.4")

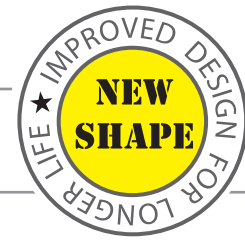


CFV-BL400
Blade Tip L=40mm (1.6")



CFV-BL500
Blade Tip L=50mm (2")

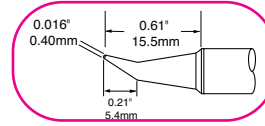
SxV Soldering Tips - EA Series



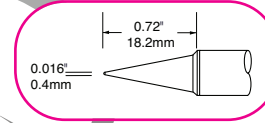
We have taken the most popular soldering tip shapes in the industry and created the new "EA" series of SxV soldering tips. Each one is engineered for optimal thermal transfer and maximum tip life. Offering Easy Access, these new tips are also Economical and Affordable.

SxV series tips are for use with the soldering tip handpieces on both the PS and MFR soldering platforms.

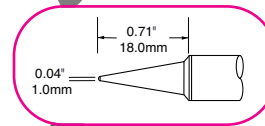
These new tips are shown here, and will be available soon. Please contact your OK International representative for further information, availability and evaluation samples.



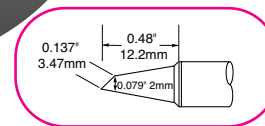
SFV-CNB04A
Conical Bent Solder Tip
0.4mm (.0155")



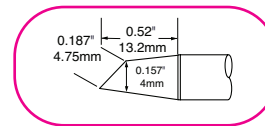
SFV-CN05A
Conical Solder Tip
0.4mm (.016")



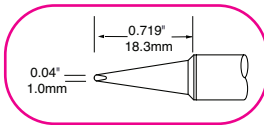
SFV-CNL10A
Conical Long Solder Tip
1.0mm (.04")



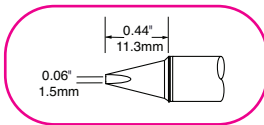
SFV-DRH420A
Hoof Solder Tip
3.47mm (.137")



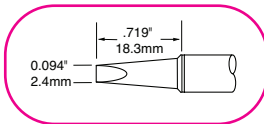
SFV-DRH440A
Drag Solder Tip
Hoof, 4.75mm (.187")



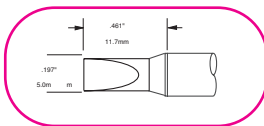
SFV-CH10A
Chisel Solder Tip
1.0mm (.04")



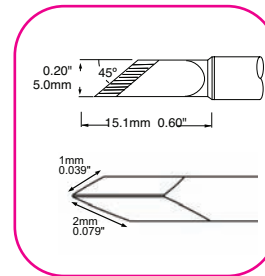
SFV-CH15A
Chisel Solder Tip
1.5mm (.06")



SFV-CH24A
Chisel Solder Tip
2.4mm (.094")

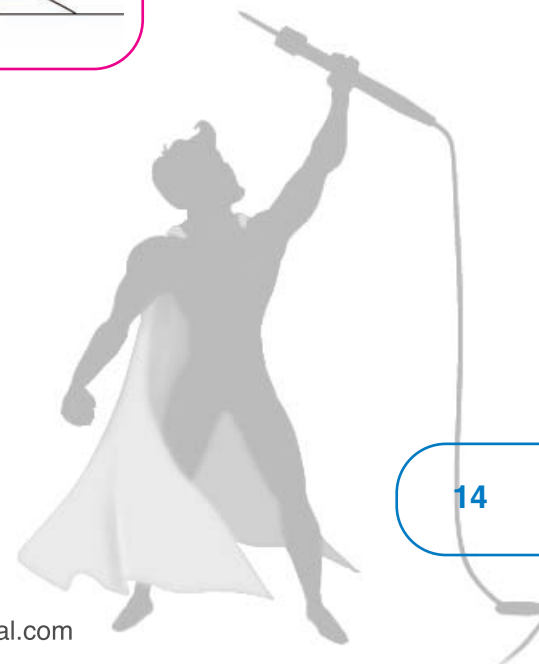


SFV-CH50A
Chisel Solder Tip
5.0mm (.20")



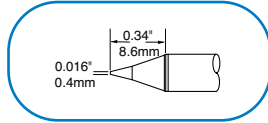
SFV-DRK45A
Knife Solder Tip
5.0mm (.20")

F= FR4 / Fiber Glass, for most standard applications.
Two other series also available, just replace F with either T or C.
T = Temperature Sensitive **C** = Ceramic

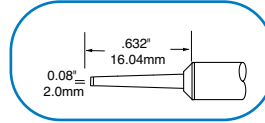


SxP Soldering Cartridges

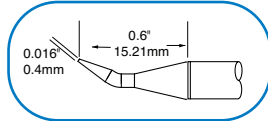
The SxP cartridges are for use with the soldering cartridge hand-piece of the MFR Single and Dual Platform. They provide a wide range of options addressing specialized soldering and rework applications. Full range available at www.okinternational.com.



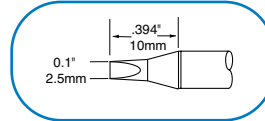
SFP-CN04
Conical Cartridge 0.4mm (.016")



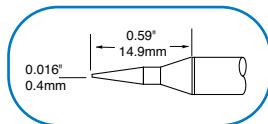
SFP-CHL20
Chisel Soldering Cartridge 60°
Long Reach 2.0mm (.08")



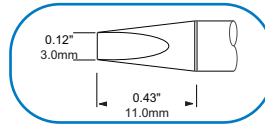
SFP-CNB04
Conical Cartridge Bent
0.4mm (.016")



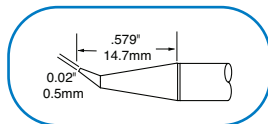
SFP-CH25
Chisel Cartridge 30°
2.5mm (.10")



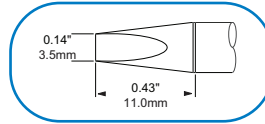
SFP-CNL04
Conical Cartridge Long Reach
0.4mm (.016")



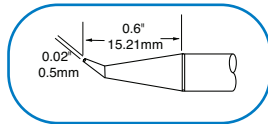
SFP-CH30
Chisel Cartridge 30°
3.0mm (.12")



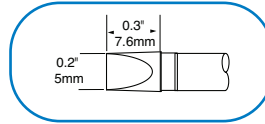
SFP-CNB05
Conical Cartridge Bent
0.5mm (.02")



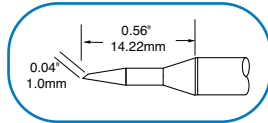
SFP-CH35
Chisel Cartridge 30°
3.5mm (.14")



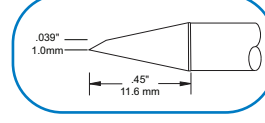
SFP-DRH05
Drag Soldering Cartridge Hoof
0.5mm (.02")



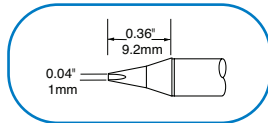
SFP-CH50
Chisel Cartridge 30°
5.0mm (.20")



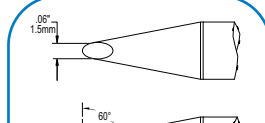
SFP-BVL10
Bevel Cartridge 60°
1.0mm (.04")



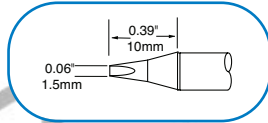
SFP-DRH610
Drag Soldering Cartridge Hoof
1.0mm (.04")



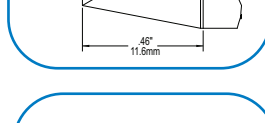
SFP-CH10
Chisel Cartridge 30°
1.0mm (.04")



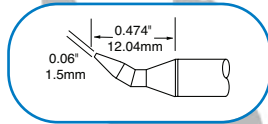
SFP-DRH615
Drag Soldering Cartridge Hoof
1.5mm (.06")



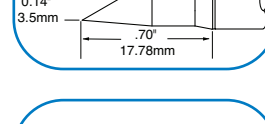
SFP-CH15
Chisel Cartridge 30°
1.5mm (.06")



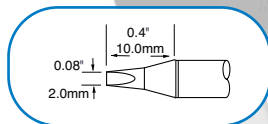
SFP-DRH35
Drag Soldering Cartridge Hoof
3.5mm (.14")



SFP-CHB15
Chisel Cartridge 30° Bent
1.5mm (.06")



SFP-DRK50
Drag Soldering Cartridge
5.0mm (.20")

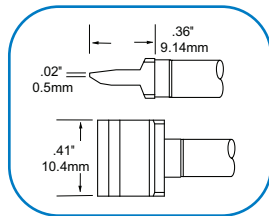


SFP-CH20
Chisel Cartridge 30°
2.0mm (.08")

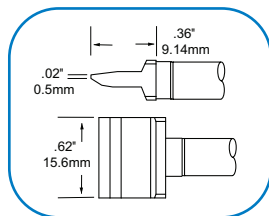
RxP Rework Cartridges

The RxP cartridges are for use with the soldering cartridge hand-piece of the MFR Single and Dual Platform. Full range available at www.okinternational.com.

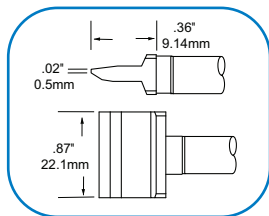
Blade cartridges are designed to allow effective and quick cleaning of PCB pads.



RFP-BL1
Blade Cartridge
Length 10.4mm (0.41")

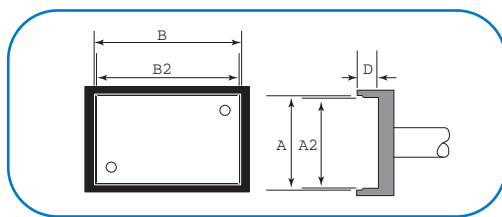


RFP-BL2
Blade Cartridge
Length 15.6mm (0.62")



RFP-BL3
Blade Cartridge
Length 22.1mm (0.87")

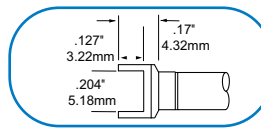
Quad cartridges are used for the removal of four-sided devices such as QFPs and PLCCs.



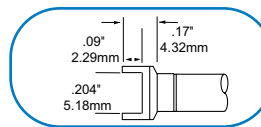
Dimensions in mm (")

Part No.	SMT TYPE	A2	A	B2	B	D
RFP-QD4	PLCC 32	11.43 (.450)	12.70 (.500)	13.97 (.550)	15.24 (.600)	3.81 (.150)
RFP-QD6	PLCC 44	16.76 (.660)	17.78 (.700)	16.76 (.660)	17.78 (.700)	3.81 (.150)
RFP-QD7	PLCC 68	24.38 (.960)	25.27 (.995)	24.38 (.960)	25.27 (.995)	5.59 (.220)
RFP-QD10	PLCC 52	19.30 (.760)	20.32 (.800)	19.30 (.760)	20.32 (.800)	3.81 (.150)
RFP-QD15	TQFP 80	12.32 (.485)	13.34 (.525)	12.32 (.485)	13.34 (.525)	2.79 (.110)
RFP-QD19	QFP 44	16.13 (.635)	16.13 (.635)	16.13 (.635)	16.13 (.635)	3.30 (.130)
RFP-QD20	QFP 100	16.51 (.650)	16.51 (.650)	22.48 (.885)	22.48 (.885)	3.30 (.130)

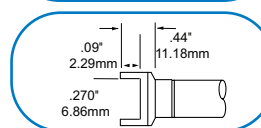
Tunnel cartridges are used for the removal of multi-lead, two-sided components such as SOICs, SOJs and TSOPs.



RFP-DL1
Tunnel Cartridge
SOIC-14-16
Length 10.16mm (0.4")

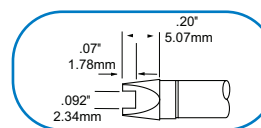


RFP-DL2
Tunnel Cartridge
SOIC-8
Length 4.32mm (0.17")

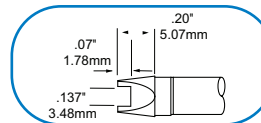


RFP-DL3
Tunnel Cartridge
SOMC-16
Length 11.15mm (0.44")

Slot cartridges are used for the removal of discrete and passive devices



RFP-SL1
0805 Chip Package
B= 1.37mm (0.054")



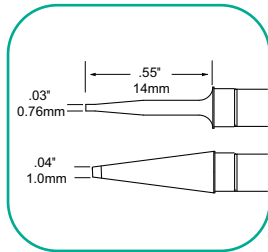
RFP-SL2
1206 Chip Package
B= 1.63mm (0.064")

F = FR4 / Glass Fiber, for most standard applications. Two other series are also available, just replace F with either T or C.
T = Temperature Sensitive, **C** = Ceramic. Note: RxP tips are only available in F and C Series.

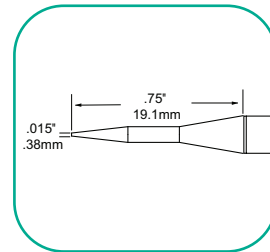
TxP Tweezer Cartridges

For use on MFR Single and Dual Platforms

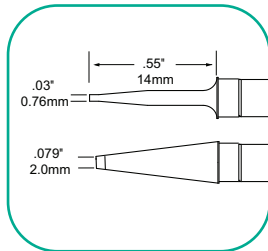
More cartridges available at www.okinternational.com



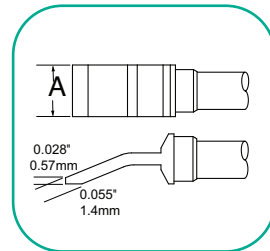
TFP-BLP1
Tweezer Cartridge
Blade Pair
1.0mm (.04")



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



TFP-BLP2
Tweezer Cartridge
Blade Pair
2.0mm (.08")



Heavy Duty Tweezer Pair

TFP-BLH40 - A= 6.35mm (.25")

TFP-BLH50 - A= 16mm (.62")

TFP-BLH60 - A= 20.5mm (.81")

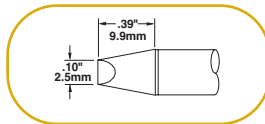
TFP-BLH70 - A= 28mm (1.1")

F= FR4 / Glass Fiber, for most standard applications. Two other series are also available, just replace F with either T or C.
T = Temperature Sensitive, **C** = Ceramic

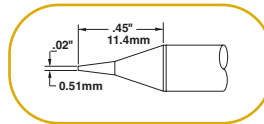
SSC Soldering Cartridges

For use on MFR Single Platform

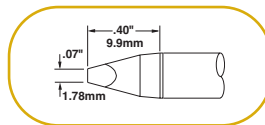
More cartridges available at www.okinternational.com



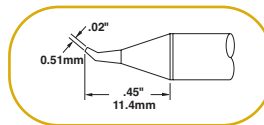
SSC-736A
Chisel 30°
2.5mm (.10")



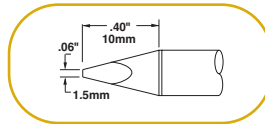
SSC-722A
Conical Sharp
0.51mm (.02")



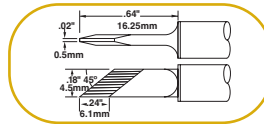
SSC-737A
Chisel 30°
1.78mm (.07")



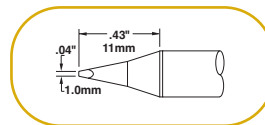
SSC-726A
Sharp Bent 30°
0.51mm (.02")



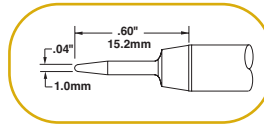
SSC-738A
Chisel 30°
1.50mm (.06")



SSC-773A
Drag Soldering (increased tinned area)
6.1mm (.24")



SSC-725A
Chisel 30°
1.0mm (.04")



SSC-701A
Conical Sharp
1.0mm (.04")

7= 700 Series for most standard applications. 6= 600 Series and 5= 500 Series also available for temperature sensitive applications.
To order these series, replace 7 with either 6 or 5 except * (not available in 500 Series)