



Introduction

With today's delicate and complex electronic assemblies, temperature accuracy is a consistent challenge. Component density, lead size and thermally sensitive components all combine to make process control demands, a criteria which many systems fail to meet.

Thermaltronics CHT (Curie Heat Technology) is different, it responds to the thermal demands of each solder joint by adjusting the power instantaneously, thereby meeting the exact requirements of the substrate component and solder material.

The Thermaltronics System comprises a 13.56 MHz Power Supply with LCD display, a slim soldering handpiece with comfortable grip, workstand and an unique tip cartridge. Additionally, two switchable soldering ports are offered with the System which is ESD safe and certified in accordance with TUV, CE, GS & NRTL standards.

The new range of solder cartridges, engineered by Thermaltronics, also incorporate further improvements in design which optimize power thresholds and provide increased performance and reliability. Advances in plating technology have also ensured reductions in the "cost of ownership" and extended tip life.

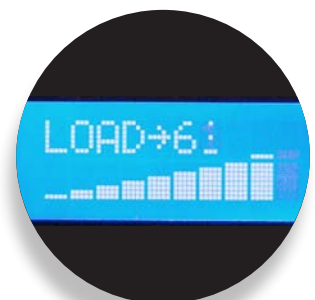
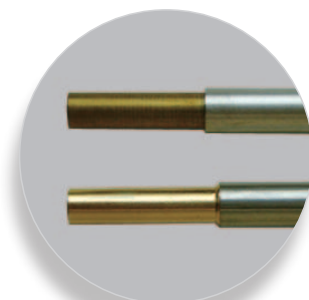
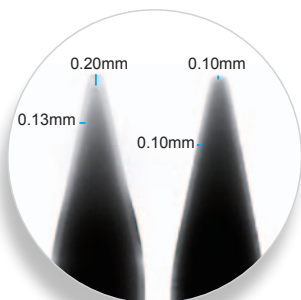
To aid in the selection of the correct temperature profile, Thermaltronics solder cartridges are color coded for easy identification. This unique feature has additional benefits in both inventory management and quality control.

Other features which have been verified through extensive testing include:

- √ Improved plating which extends service life and provides cost savings
- √ Gold plated connectors which improve connectivity and optimize power transmission
- √ Enhanced cartridge design which achieves faster point to point soldering
- √ Curie Heat technology which provides stable tip temperatures

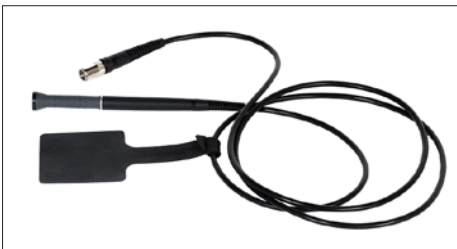
SPEED – QUALITY – COST REDUCTION – INCREASED PRODUCTIVITY

THERMALTRONICS



TMT-9000S COMPONENTS

TMT-9000PS	Power Supply
SHH-1	Soldering Handpiece Holder
SHP-1	Soldering Handpiece
RMP-1	Tip Removal Pad
SG-1-GR	Handpiece Grip Green
SG-1-GY	Handpiece Grip Gray
BC-1	Brass Curls
SPG-1	Sulphide Free Sponge
M7CH176	Soldering tip cartridge



TMT-9000S SPECIFICATIONS

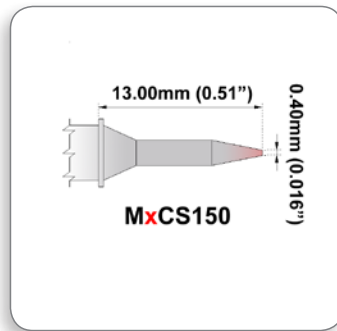
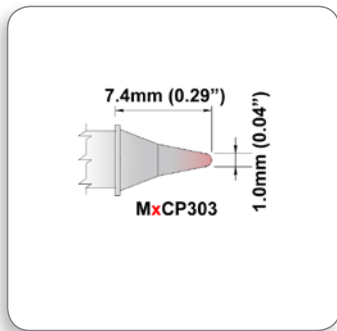
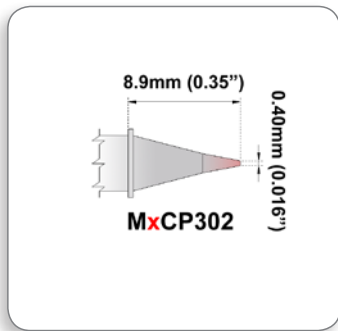
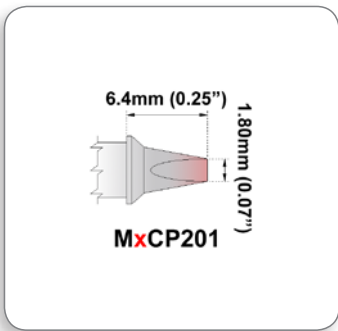
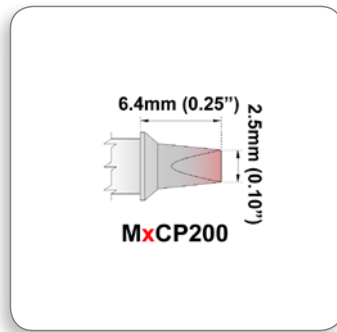
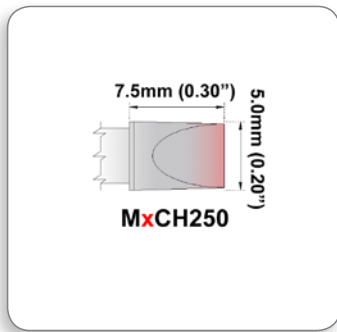
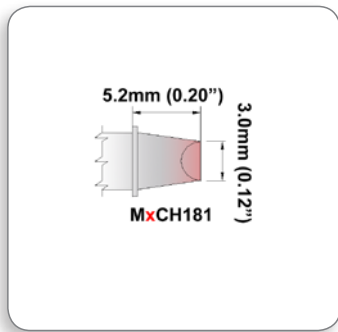
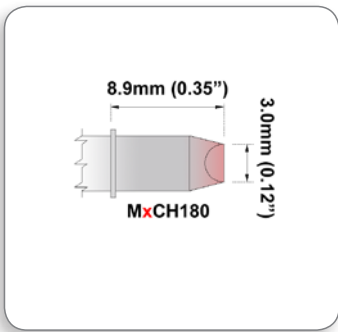
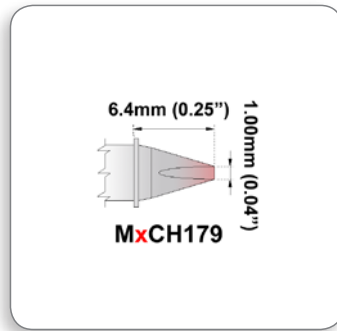
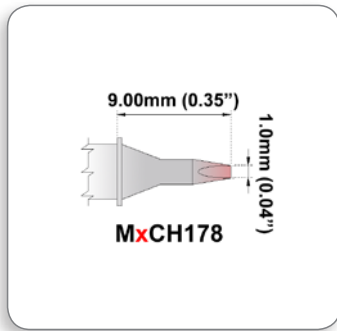
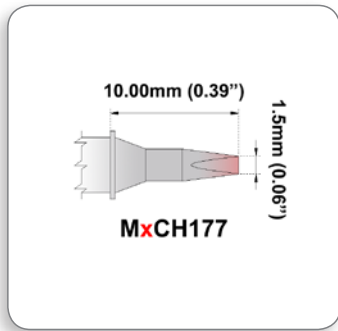
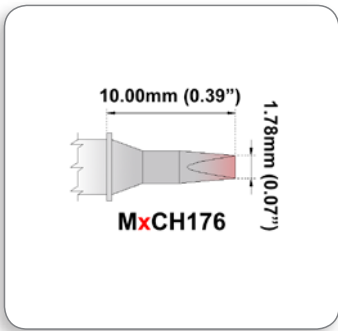
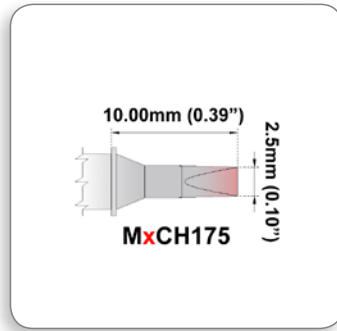
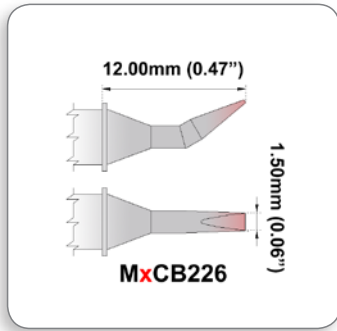
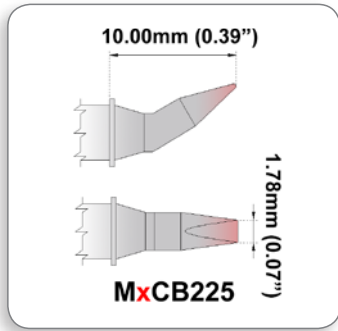
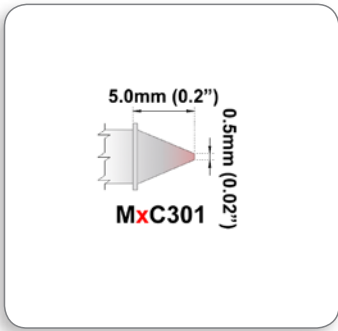
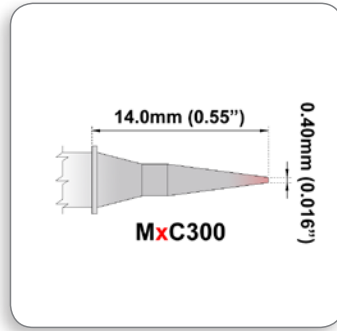
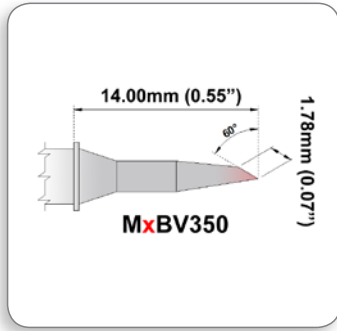
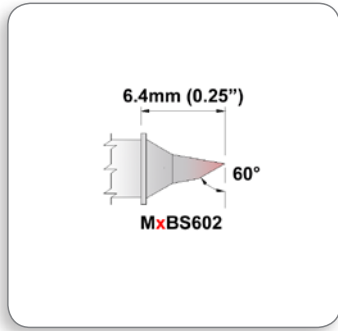
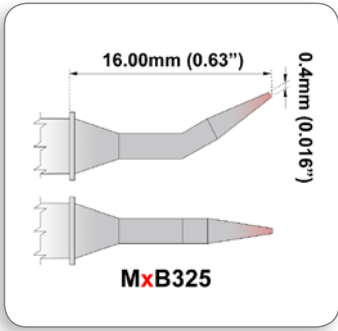
Input Line Voltage: TMT-9000S-1	100-110 VAC
TMT-9000S-2	220-240 VAC
Tip to Ground Potential:	<2mV, true RMS 50-500Hz
Tip to Ground Resistance:	<2 Ohms DC
Idle temperature Stability:	+/- 1.1°C (2 °F)
Ambient Operating Temperature:	10-40 °C (50 °F -104 °F)
Maximum Enclosure Temperature:	50 °C (122 °F)
Fuse: TMT-9000S-1	125V 1A "Slo-Blo"
TMT-9000S-2	250V 0.5A "Slo-Blo"
Output Power (Maximum):	40 Watts
Output Frequency:	13.56 MHz
Size (W x H x D):	212.4mm x 118mm x 132mm
Weight:	3.47 KG
LCD display:	60mm x 16mm
Input Line Frequency:	50/60 Hz
Certification marks:	cTUVus, CE, GS

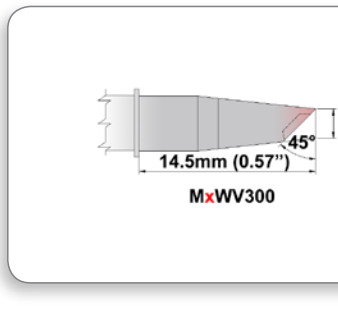
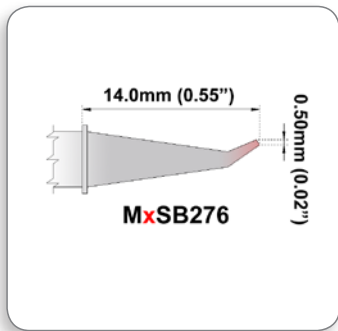
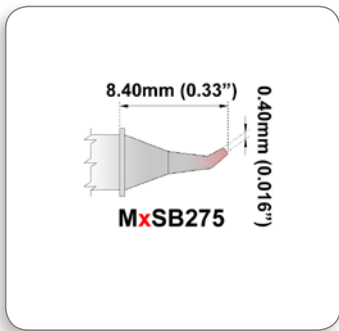
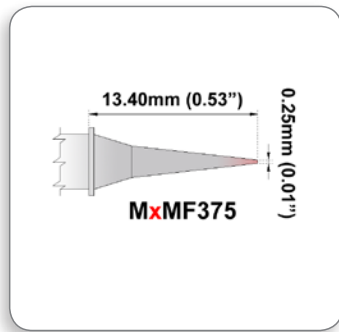
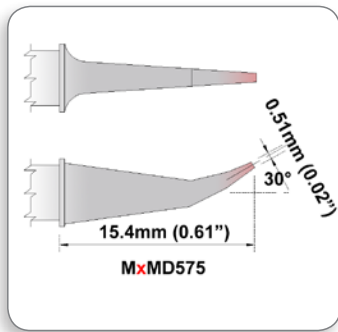
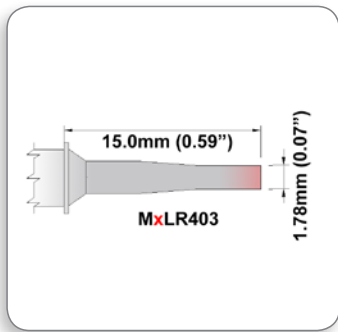
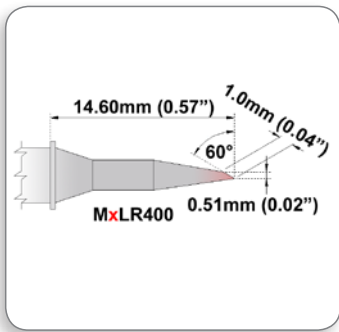
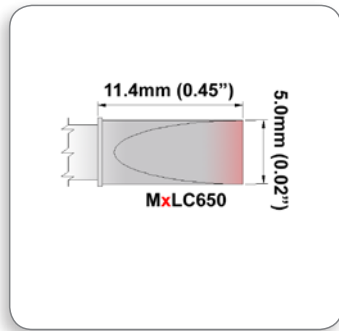
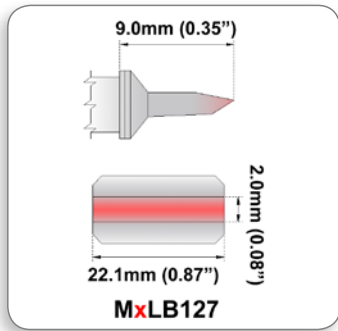
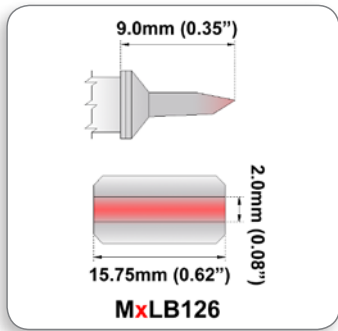
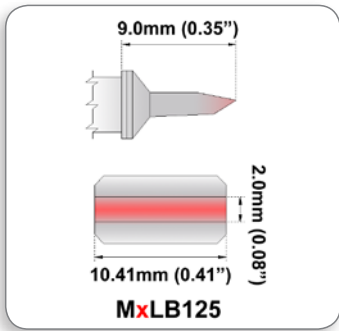
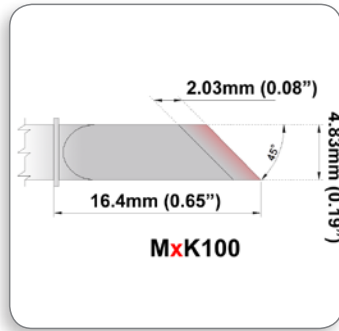
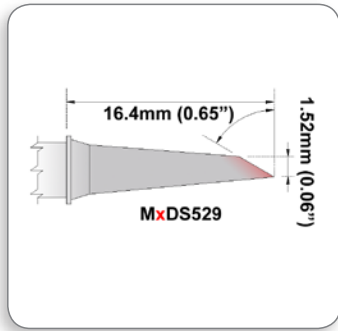
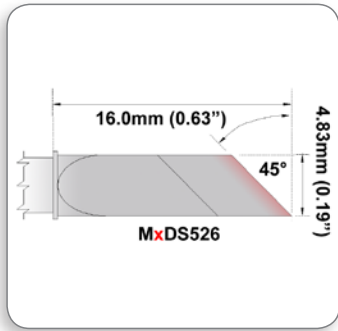
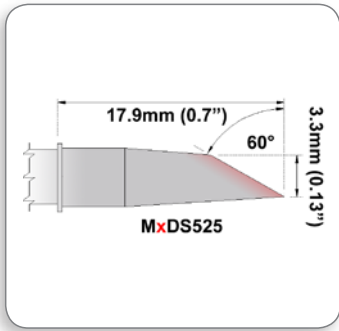
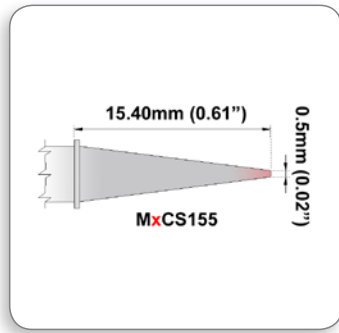
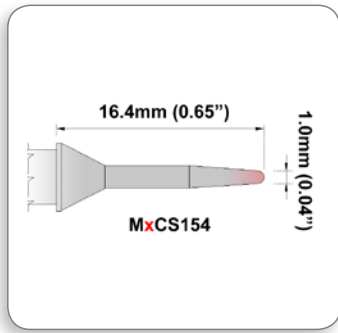
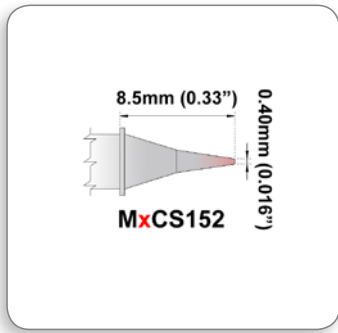
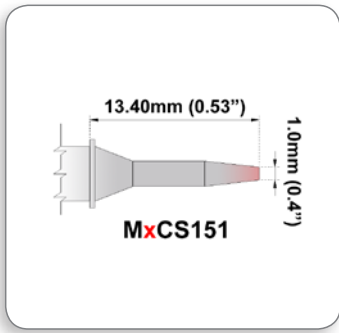
TMT-TC-1

Thermaltronics TMT-TC1 Tip Tinner is a compressed tablet of pure tin and an ammonia free flux formulation in a metal container with lid. It has a self adhesive pad on the underside to allow it to be affixed on, or near the work station.

Thermaltronics TMT-TC1 Tip Tinner provides fast, efficient cleaning and re-tinning of blackened and highly oxidised soldering iron tips, safely and efficiently.







M Series Cross Reference Table

Item	TT Part #	Original Parts #		Product Description
1	SHP-1	MX-RM3E	MX-H1-AV	ESD Solder Handle for TMT-9000S

	600° F Type		700° F Type		800° F Type		
Item	TT Part#	Original Part#	TT Part#	Original Part#	TT Part#	Original Part#	Product Description
1	M6B325	STTC-040	M7B325	STTC-140	M8B325	STTC-840	Bent 30° Sharp 0.4mm (0.016")
2	M6BS602	STTC-047P	M7BS602	STTC-147P	M8BS602	STTC-847P	Bevel 60° 1.8mm (0.07")
3	M6BV350	STTC-047	M7BV350	STTC-147	M8BV350	STTC-847	Bevel 60° 1.78mm (0.07")
4	M6C300	STTC-045	M7C300	STTC-145	M8C300	STTC-845	Conical 0.4mm (0.016")
5	M6C301	STTC-016	M7C301	STTC-116	M8C301	STTC-816	Conical 0.5mm (0.02")
6	M6CB225	STTC-098	M7CB225	STTC-198	M8CB225	STTC-898	Chisel Bent 30° 1.78mm (0.07")
7	M6CB226	STTC-099	M7CB226	STTC-199	M8CB226	STTC-899	Chisel Bent 30° 1.5mm (0.06")
8	M6CH175	STTC-036	M7CH175	STTC-136	M8CH175	STTC-836	Chisel 30° 2.5mm (0.10")
9	M6CH176	STTC-037	M7CH176	STTC-137	M8CH176	STTC-837	Chisel 30° 1.78mm (0.07")
10	M6CH177	STTC-038	M7CH177	STTC-138	M8CH177	STTC-838	Chisel 30° 1.5mm (0.06")
11	M6CH178	STTC-025	M7CH178	STTC-125	M8CH178	STTC-825	Chisel 30° 1.0mm (0.04")
12	M6CH179	STTC-025P	M7CH179	STTC-125P	M8CH179	STTC-825P	Chisel 30° 1.0mm (0.04")
13	M6CH180	STTC-003	M7CH180	STTC-103	M8CH180	STTC-803	Chisel 90° 3.0mm (0.12")
14	M6CH181	STTC-013	M7CH181	STTC-113	M8CH181	STTC-813	Chisel 90° 3.0mm (0.12")
15	M6CH250	STTC-017	M7CH250	STTC-117	M8CH250	STTC-817	Chisel Extra Large 5.0mm (0.20")
16	M6CP200	STTC-036P	M7CP200	STTC-136P	M8CP200	STTC-836P	Chisel 30° 2.5mm (0.10")
17	M6CP201	STTC-037P	M7CP201	STTC-137P	M8CP201	STTC-837P	Chisel 30° 1.80mm (0.07")
18	M6CP302	STTC-045P	M7CP302	STTC-145P	M8CP302	STTC-845P	Conical 0.4mm (0.016")
19	M6CP303	STTC-001P	M7CP303	STTC-101P	M8CP303	STTC-801P	Conical Sharp 1.0mm (0.04")
20	M6CS150	STTC-006	M7CS150	STTC-106	M8CS150	STTC-806	Conical Sharp 0.4mm (0.016")
21	M6CS151	STTC-001	M7CS151	STTC-101	M8CS151	STTC-801	Conical Sharp 1.0mm (0.04")
22	M6CS152	STTC-022	M7CS152	STTC-122	M8CS152	STTC-822	Conical Sharp 0.4mm (0.016")
23	M6CS154	STTC-007	M7CS154	STTC-107	M8CS154	STTC-807	Conical Sharp 1.0mm (0.04")
24	M6CS155	STTC-043	M7CS155	STTC-143	M8CS155	STTC-843	Conical Sharp 0.5mm (0.02")
25	M6DS525	SMTC-0147	M7DS525	SMTC-1147	M8DS525	SMTC-8147	Hoof 3.3mm (0.13")
26	M6DS526	SMTC-0173	M7DS526	SMTC-1173	M8DS526	SMTC-8173	Knife Increased tinned area 5.84mm (0.23")
27	M6DS529	SMTC-0167	M7DS529	SMTC-1167	M8DS529	SMTC-8167	Mini-Hoof 1.52mm (0.06")
28	M6K100	SMTC-0161	M7K100	SMTC-1161	M8K100	SMTC-8161	Knife Tinned area 2.03 mm (0.08")
29	M6LB125	SMTC-060	M7LB125	SMTC-160	M8LB125	SMTC-860	Blade Tip 10.41mm (0.41") Long
30	M6LB126	SMTC-061	M7LB126	SMTC-161	M8LB126	SMTC-861	Blade Tip 15.75mm (0.62") Long
31	M6LB127	SMTC-062	M7LB127	SMTC-162	M8LB127	SMTC-862	Blade Tip 22.1 mm (0.87") Long
32	M6LC650	STTC-065	M7LC650	STTC-165	M8LC650	STTC-865	Large Chisel 5.0mm (0.20")
33	M6LR400	STTC-046	M7LR400	STTC-146	M8LR400	STTC-846	Long Reach Bevel 60° 1.0mm (0.04")
34	M6LR403	STTC-042	M7LR403	STTC-142	M8LR403	STTC-842	Long Reach Chisel 60° 1.78mm (0.07")
35	M6MD575	SMTC-0172	M7MD575	SMTC-1172	M8MD575	SMTC-8172	Conical Bent 30° Fine 0.51mm (0.02")
36	M6MF375	STTC-090	M7MF375	STTC-190	M8MF375	STTC-890	Micro Fine 0.25mm (0.01")
37	M6SB275	STTC-026	M7SB275	STTC-126	M8SB275	STTC-826	Sharp Bent 30° 0.4mm (0.016")
38	M6SB276	STTC-044	M7SB276	STTC-144	M8SB276	STTC-844	Sharp Bent 30° 0.5mm (0.02")
39	M6WV300	N/A	M7WV300	N/A	M8WV300	N/A	Wave (Hoof) Tip 3.0mm (0.12")

