

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



# Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China







# Weller Soldering Tips

**Innovative Application Solutions** 



A comprehensive tip guide

# Original tips guarantee top quality and reduced costs.



# Why Genuine Weller?

# **Perfect Solder Joints**

#### Only genuine Weller tips

are precisely matched with the homogeneous Weller heating system, which offers the production of only the highest quality solder joints.

# **High-Cost Efficiency**

#### **Heat Delivery**

Rapid and stable heat delivery provides a repeatable solder process with a productivity increase of up to 50%.

# **Original Top Quality**

# Only the Best Materials

Silver is used as a superior heat conductor in the heating element, optimizing heat transfer.

#### **Manufacturer Warranty**

The Weller warranty can **ONLY** be provided when using original Weller parts.

By using genuine Weller parts, you are automatically assured to be operating with the latest and greatest technology in the soldering industry. The Weller R&D Team is constantly testing and developing new techniques to manufacture the ultimate solder tip. Our efforts result in massive savings in time and operating costs for our valued customers.

# **How to identify Genuine Weller tips:**

# **Seal of Quality**

The soldering iron and solder tip packaging bears the "Genuine Weller Seal of Quality."

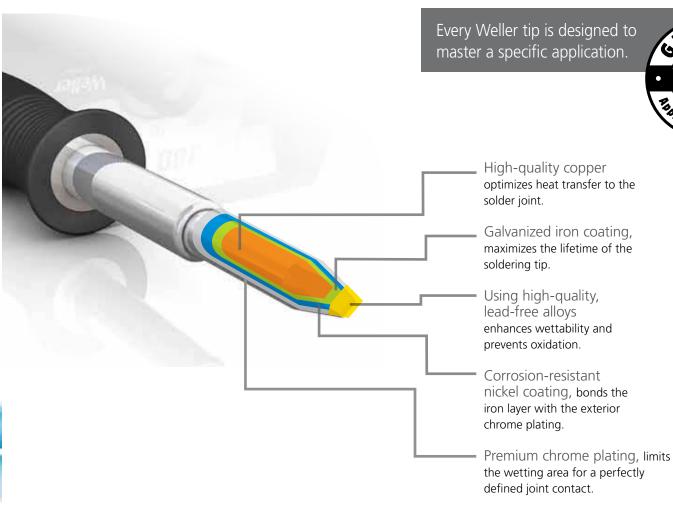
# **Tip Engraving**

All original Weller tips are now engraved with the Weller logo and tip part numbers.\* Only engraved Weller tips guarantee our highest quality standards.
\*Effective August 2013



# Precise power, control, and balance.

Weller soldering tips are designed at our world class R&D Center in Germany to meet the latest demands of the market. The Weller soldering tip and high power heating element are combined to form a homogeneous and near "perfect" heating system, providing operators with the highest quality solder joints. Combined with an ergonomically designed iron, this technology offers the "perfect" soldering tool.



# Three heater/tip technologies designed to master ALL soldering applications from the most delicate to the most difficult.



# **Active (Integral) Tip Technology**

This highly-innovative technology offers ultra precise heating and temperature control specifically designed for microsoldering applications. The fully-integrated tip cartridge delivers the fastest recovery on the market for fine tips at just a slightly higher tip price. Temperature sensitive and miniature applications are mastered with precision and safety.

Ultra precise performance

Extremely accurate tip temperature

Micro-soldering at its finest

Fastest heat up and recovery time of all three technologies



350° 250° Ready for soldering 150° in ONLY 3 seconds! 50° 0 2 4 6 810 12 14 16 18 20 SEC.

RT / RTW

Most delicate and temperature-sensitive applications; for use under microscope; ultra fine tips with fastest heat response and best temp-control; cartridge tips.



WMRP/WMRP-MS

**55W**. 12V

Micro-slim soldering iron; Ideal for microscope work.

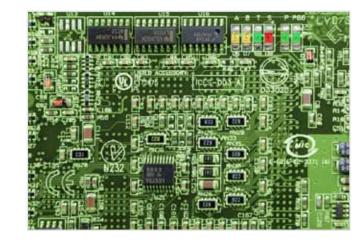


WXMT-MS WMRT/WMRT-MS

Micro-tweezers; Ideal for soldering and desoldering very small SMD components.



Fastest heat up and recovery on the market Excellent reaction time with finest tips Optimal for soldering under microscopes Rapid hot tip-change; no tool required





# **Power-Response Technology**

The newly improved technology maximizes soldering performance on the most-delicate to the most-difficult applications. A perfect balance between power, response, temperature control and lower tip costs makes this unique technology the most attractive solution for top quality professional soldering designed to meet the highest industry standards.

400°

200°

100°

— WP 80

Maximum power and response for top performance

Optimal balance between power, control and operating costs with widest range of tips

Highest quality soldering standard for wide range of applications



Maximum power and rapid response Optimized sensor position Meeting highest industry standards Wide tip range with low price point

30 % faster

65W up to 200W

40 60 80 100 120 140 160 180 SEC.

lower cost, non-cartridge style tips.





XT/XHT

Most difficult, high-mass soldering jobs; maximum power with ergonomic iron handle, lower cost, non-cartridge style tips.

SMDs and THTs with very small solder pads and increased heat demand,

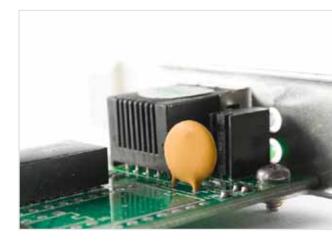


Highest standard performance iron with optimim heating power. Soldering applications from small to large components with higher heat demand required.



Highest power soldering iron; ideal for applications with highest mass applications e.g. LED back-panels or RF shields.





POWER-RESPONSE TECHNOLOGY ACTIVE-TIP TECHNOLOGY 4 | Genuine Weller Soldering Tips – A comprehensive tip guide. weller-tools.com | 5



# **Silver-Line Technology**

The low-mass copper tips offer the absolute best heat transfer at the lowest price in our entire range of tips. The 80W ergonomically designed heating element and pencil type grip make this technology the top performer for universal soldering applications where tip price is a deciding factor.

Ultra precise performance

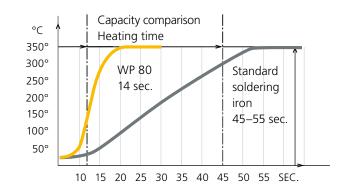
Extremely accurate tip temperature

Micro- to macro-soldering at its finest

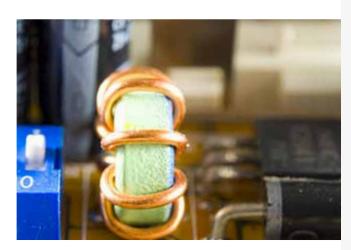


Universal SMD and THT applications both small and large; low mass silver tips offer absolute best heat transfer at lowest price in entire tip range; non-cartridge





Effective heat transfer via silver core Fast ramp up and recovery Designed for universal applications

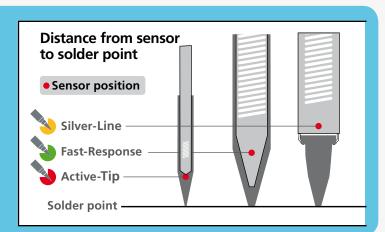


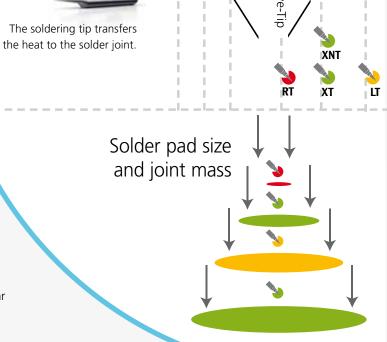
Weller heating technologies deliver, precise power.

**Three Tip Technologies** 



Only Weller supplies three different heating and tip technologies to ensure customers always have the absolute best tool for their specific application. Weller's proven technology enables users to finally tackle those difficult or near impossible hand soldering applications. We help you get your soldering job done better, faster and cheaper!



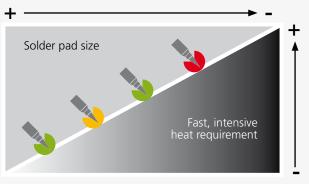


Required

demand

heat

# **Maximum flexibility**





# WMRP/WXMP/WMRP-MS/WXMP-MS

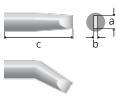
Ideal for microscope work; highest performance via active soldering tip; cartrdge type tip.

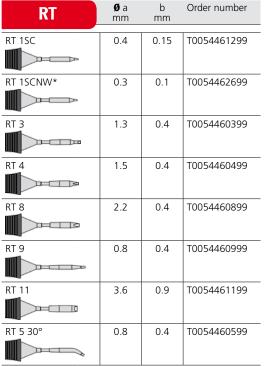


Fastest heat up and recovery on the market Excellent reaction time with finest tips Optimal for soldering under microscope Rapid hot tip-change; no tool required

WMRP T0052917199 WMRP-MS T0052919299 WXMP T0052920399 WXMP-MS T0052921399







RT-MS	Ø a mm	b mm	Order number
RT 1SCMS	0.4	0.15	T0054461599
RT 1SCNWMS*	0.3	0.1	T00544626 71
RT 3MS	1.3	0.4	T0054461699
RT 4MS	1.5	0.4	T0054461899
RT 8MS	2.2	0.4	T0054462299
RT 9MS	0.8	0.4	T0054462399
RT 11MS	3.6	0.9	T0054463199
RT 5MS 30°	0.8	0.4	T0054461999
RT 3XMS 30°	1.3	0.5	T00544603 73

# Sloped



Туре	a mm	Order number
RT 6 45°	1.2	T0054460699

Туре	a mm	Order number
RT 6MS 45°	1.2	T0054462099

MS tips: separate ground

# \* non wettable

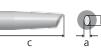


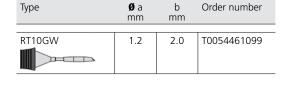


RT	<b>Ø</b> a mm	Order number
27.4		
RT 1	0.2	T0054460199
RT 1NW*	0.1	T0054462599
RT 2	0.8	T0054460299
RT 15	.75	T0054460271

RT-MS	<b>Ø</b> a mm	Order number
RT 1MS	0.2	T0054461499
RT 1NWMS*	0.1	T0054462571
RT 2MS	0.8	T0054461799
RT 12MS 25°	0.5	T0054463299
RT 13MS 30°	0.4	T0054463399
RT 14MS	0.4	T0054460173
RT 15MS	.75	T0054460273

### Gull wing





Ø a mm	b mm	Order number
1.2	2.0	T0054462499
	mm	mm mm

# Knife



Туре	<b>Ø</b> a mm	Order number
RT 7 45°	2.2	T0054460799

Туре	Ø a mm	Order number
RT 7MS 45°	2.2	T0054462199

# Measuring tip

Туре	Order n
Measuring tip	K1101











weller-tools.com | 9

<sup>\*</sup> non-wettable



# WXMT/WMRT/WXMT-MS/WMRT-MS

Ultra slim tweezers; ideal for soldering and desoldering very small SMD components; cartrdge type tips.





Fastest heat up and recovery on the market Excellent reaction time with finest tips Optimal for soldering under microscope Rapid hot tip-change; no tool required

WMRT T0051317299 WMRT-MS T0051317599 **WXMT** T0051317799 WXMT-MS T0051317999



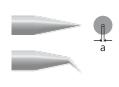
Chisel



RTW	<b>Ø</b> a mm	b mm	Order number
RTW 2 45°	0.7	0.4	T0054465299
RTW 3 45°	3.0	1.0	T0054465399
RTW 4 45°	6.0	1.0	T0054465499
RTW 9	3.0	1.0	T0054466699
RTW 11	6.0	1.0	T0054466799
RTW10	10.0	1.0	T0054466899
RTW 8	1.3	0.4	T0054466499

RTW-MS	<b>Ø</b> a mm	b mm	Order number
RTW 2MS45°	0.7	0.4	T0054465799
RTW 3MS 45°	3.0	1.0	T0054465899
RTW 4MS 45°	6.0	1.0	T0054465999
RTW 9MS	3.0	1.0	T0054466999
			NEW
RTW 11MS	6.0	1.0	T0054467099
			NEW
RTW10MS	10.0	1.0	T0054467199
			NEW CONTRACTOR
RTW 8MS	1.3	0.4	T0054466599
			NEW
RTW 7NWMS*	0.8	0.4	T0054466371
8			NEW

### Conical



Туре	<b>Ø</b> a mm	Order number
RTW 1 45°	0.4	T0054465199
RTW 6NW* 45°	0.2	T0054465699

Туре	<b>Ø</b> a mm	Order number
RTW 1MS 45°	0.4	T0054465599
RTW 6NWMS* 45°	0.2	T0054465671

MS tips: separate ground

\* non wettable



# **WXP65/WP65**

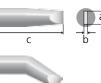
Perfect choice where Active-Tip above lacks sufficient power; lower cost, non-cartridge style tips.

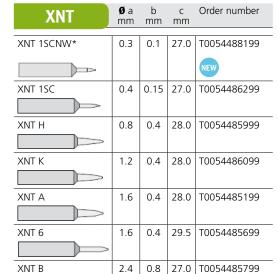


Maximum power and rapid response Optimized sensor position Meeting highest industry standards

WXP65 T0052921199 WP65 T0052921599

# Chisel





Туре	Ø a mm	b mm	c mm	Order number
XNT C	3.2	0.8	27.0	T0054485899
XNT D	4.0	0.8	28.0	T0054485399
XNT HX 45°	8.0	0.4	36.5	T0054487399
XNT 4X 45°	1.2	0.4	34.6	T0054487499
XNT AX 45°	1.6	0.8	28.0	T0054486499
XNT BX 45°	2.4	0.8	36.5	T0054488299
XNT MX 45°	3.2	0.8	37.5	T0054488399

# Sloped



Туре	a mm	Order number
XNT 4 45°	1.2	T0054485599
XNT AA 45°	1.6	T0054488499
		NEW
XNT BB 45°	2.4	T0054488599
		NEW

Type	a mm	Order number
XNT CC 45°	3.2	T0054488699
		NEW
XNT F 45°	1.2	T0054488799
		NEW

Active-Tip Power-Response Silver-Line weller-tools.com | 11

<sup>\*</sup> non-wettable

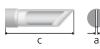
# Conical



XNT	<b>Ø</b> a mm	c mm	Order number
XNT 1	0.5	27.0	T0054485099
XNT 1L	.02	42.8	T0054487199

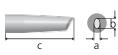
Туре	<b>Ø</b> a mm	c mm	Order number
XNT S	0.4	37.5	T0054486899

# Knife



Туре	Ø a mm	c mm	Order number
XNT KN	2.0	33.0	T0054486399

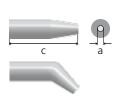
# Gull wing



Туре	b mm	c mm	Order number
XNT GW 45°	2.0	33.0	T0054485499

Туре	b mm	c mm	Order number
XNT GW 1 45°	1.5	27.5	T0054488099
			NEW

### Round



Туре	<b>Ø</b> a c mm mm		c oracritation	
XNT 1S	0.2	28.5	T0054485299	
XNT AS	1.6	29.5	T0054486999	
XNT L	2.0	37.5	T0054486699	
XNT CS	3.2	29.5	T0054487099	

Гуре	<b>Ø</b> a mm	c mm	Order number
XNT M	3.2	37.5	T0054486799
XNT 1LX 45°	0.2	36.5	T0054487299
XNT 1X 45°	0.4	28.0	T0054486599
XNT 1SLX 45°	0.4	39.5	T0054487599
			•

# SMT

Туре	Ø a mm	b mm	c mm	Order number
XNT SMT 01	10.4	0.6	7.1	T0054487699
XNT SMT 02	16.8	0.6	7.1	T0054487799

Туре	Ø a mm	b mm	c mm	Order number
XNT SMT 03	20.8	0.6	7.1	T0054487899
				<u> </u>

# Accessories

Туре	<b>Ø</b> a mm	c mm	Order number
	_		
Measuring tip			K1131
3 1			
XNT Screw M4		26.0	T0054487999

Туре	Order number
Barrel	T0058765758
Barrel for bent tips	T0058765767



Universal SMD and THT applications both small and large; lowest cost, non-cartridge style tips in entire range.

LT D



Effective heat transfer via best material silver core Fast ramp up and recovery Designed for universal applications

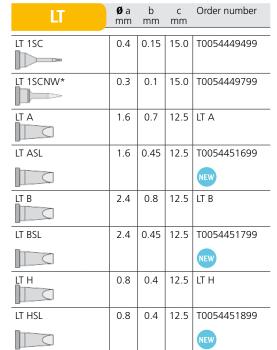
WSP80 WSP80 WP80 T0052918099

Type

Type

# Chisel





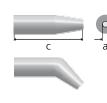
3.2 0.8 12.5 LT C

4.6 0.8 12.5 LT D

-76-	mm	mm	mm	
LT DLL	4.6	1.2	12.5	T0054444899
LT K	1.2	0.4	20.0	LT K
LTL	2.0	1.0	20.0	LTL
LT M	3.2	1.2	20.0	LT M
LT HX 30°	0.8	0.4	17.5	LT HX
LT ALX 30°	1.6	0.7	17.5	LT ALX
LT BX 30°	2.4	0.8	17.5	T0054444299
LT AX 30°	1.6	0.8	14.1	LT AX
LT 4X 30°	1.2	0.4	17.2	LT 4X
LT MX 30°	3.2	1.2	20.0	T0054446999

**Ø** a b c Order number

# Round



Туре	Ø a mm	c mm	Order number
LT 1S	0.2	15.0	LT 1S
LT 1SNW*	0.1	15.0	T0054449699
LT 1SA	0.5	15.0	T0054448899
LT 1	0.25	13.0	LT 1
LT 1LNW*	0.1	25.4	T0054449899

	mm	mm	
IT 1 A	0.5	13.0	T0054448999
LT 1A	0.5	13.0	10054448999
LT AS	1.6	12.5	LT AS
LT CS	3.2	12.5	LT CS
LT 1SLX 30°	0.4	22.0	LT 1SLX
LT 1X 30°	0.4	13.0	LT 1X

**Ø** a c Order number

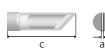




<sup>\*</sup> non wettable

<sup>\*</sup> non-wettable





LT	Ø a mm	c mm	Order number
LT KN	2.0	16.5	LTKN
LT KNSL 45°	2.0	16.5	T0054451999

# Sloped

Knife



Туре	a mm	c mm	Order number
LT 4 45°	1.2	15.0	T0054443999
LT F 45°	1.2	12.5	LTF
LT AA 60°	1.6	12.5	LTAA60SK1407
LT BB 60°	2.4	17.0	T0054444499
LT BB 45°	2.4	17.0	T0054448499
LT CC 60°	3.2	17.0	T0054444599
LT CC 45°	3.2	17.0	T0054448599

LT DD 45°

LT DD 45° A

LT 11CP 45°

LT 22CP 45°

LT 33CP 45°

LT 44CP 45°

Туре

LT T

LT O

<u>L</u>T 1LX 35°

4.0

1.2

2.0

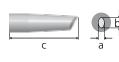
0.6

0.2

_			
Туре	<b>Ø</b> a mm	c mm	Order number
LT 1L	0.2	25.4	LT1L
LT 1LNW*	0.1	25.4	T0054449899
			NEW
LT S	0.4	21.0	LTS

# Gull wing

Conical



Туре	Ø a mm	b mm	c mm	Order number
LT GW1 45°	2.3	3.2	17.8	LTGW
LT GW2 45°	3.5	4.8	17.8	T0054451199

# Accessories

Туре	a mm	c mm	Order number
Measuring tip WSP80			K181
Screw M4 external thread	8.0		T0054444999
ET-LT Adapter			T0058720781

# WXP120/WP120

120 watt highest standard performance iron; perfect choice,

lower cost, non-cartridge style tips.



Maximum power and rapid response Optimized sensor position Meeting highest industry standards

WXP120 T0052920199 WP120 T0052919399

# Chisel

Order number

20.0 T0054447899

17.0 T0054448699

15.0 T0054442171

20.0 T0054440873

20.0 T0054440877

20.0 T0054440881

c Order number

13.0 T0054448299

17.0 T0054448199

25.4 LT1LX

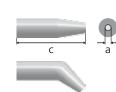




XT	<b>Ø</b> a mm	b mm	c mm	Order number
XT H	8.0	0.4	36.5	T0054471399
XT M	3.2	1.2	36.0	T0054470299
XT A	1.6	0.7	36.5	T0054470399
XT AL	1.6	1.0	39.5	T0054470199
XT ASL	1.6	0.45	36.5	T0054474099
				NEW
XT M	3.2	1.2	39.5	T0054470299
XT B	2.4	0.8	36.0	T0054470499
XT BSL	2.4	0.45	36.0	T0054474199
XT B SL	2.5	0.8	36.3	T0054473899
				NEW
XT C	3.2	0.8	36.0	T0054470599

Туре	Ø a mm	b mm	c mm	Order number
XT D	4.6	0.8	34.5	T0054470699
XT CSL	3.2	0.45	36.0	T0054474299
				NEW
XT E	5.9	1.2	34.5	T0054470799
XT DL	4.6	0.8	39.5	T0054473699
XT MX	3.2	0.8	53.5	T0054474599
				NEW
XT HX	0.8	0.4	51.5	T0054473799
XT AX 30°	1.6	0.7	51.5	T0054474399
				NEW
XT BX 30°	2.4	0.8	51.5	T0054474499
				NEW

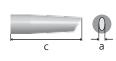
### Round



Туре	<b>Ø</b> a mm	c mm	Order number
XT BS	2.4	36.5	T0054471599
XT CS	3.2	36.5	T0054471699

Туре	<b>Ø</b> a mm	c mm	Order number
XT DS	5.0	34.5	T0054471799

# Sloped



non-wettable
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Туре	a mm	c mm	Order number
XT F 30°	1.2	36.5	T0054471899
XT AA 60°	1.6	36.5	T0054470899
XT BB 45°	2.4	36.5	T0054470999
XT CC 45°	3.2	36.5	T0054471099

Туре	a mm	c mm	Order number
XT DDH 45 45°	4.0	40.5	T0054473099
			NEW
XT D 45°	5.0	40.5	T0054472199
XT AA 60 °	1.6	36.5	T0054470899





<sup>\*</sup> non wettable





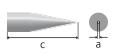
XT	<b>Ø</b> a mm		c mm	Order number
XT GW1 45°	2.3	3.2	36.5	T0054471299
XT GW2 45°	3.5	4.8	36.5	T0054473599

Туре	,	b mm	_	Order number
XT GW3 45°	0.8	0.9	41.5	T0054473999

#### Knife

Туре	<b>Ø</b> a mm	c mm	Order number
XT KN 60 °	2.0	45.0	T0054471199

# Conical



Туре	<b>Ø</b> a mm	c mm	Order number
XT O	1.0	36.5	T0054471499

#### Accessories

Туре	a mm	c mm	Order number
Measuring tip (For the WP120)			K1121
Measuring tip (For the WXP120)			K1141
XT Adapter M4		36.0	T0054471999
XT Adater M5		36.0	T0054472099

Туре		Order number
Barrel	WXP 120 WP 120	T0058765711 T0058763709
Barrel for bent tips	WXP 120 WP 120	T0058765766 T0058765802

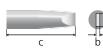
# WXP200/WP200

**Highest power 200W** soldering iron; ideal for highest mass applications e.g. LED back-panels or RF shields.

**200W**, 24V

Maximum power and rapid response
Optimized sensor position
Meeting highest industry standards

### Chisel





Туре	Ø a mm	b mm	c mm	Order number
XHT E	7.6	1.5	48.0	T0054480299
XHT F	9.3	2.0	48.0	T0054480599

Custom tips available upon request.

# Why Weller dry cleaning?

Excellent cleaning results

Soldering tip is cleaned yet remains wetted

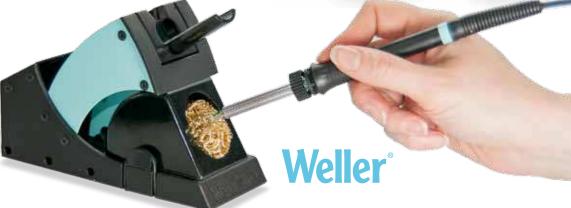
Aggressive flux residues are removed

Prevents oxidation of the soldering tip

Low temperature shock-vs-wet sponge

Helps extend soldering tip lifetime





# Weller WDC/WDC2 Dry Cleaner



Dry cleaner with brass or steel wool—recommended for dry cleaning of soldering tips using the WDC dry cleaner with brass wool. The solder tip is cleaned and flux residues are removed while tip remains wetted.

Order number: T0051512499-WDC T0051512599-WDC2



Find out how to use the WDC dry cleaner correctly on our youtube channel: visit www.youtube.com /wellersoldering



# **WPB1 Cold-Tip Polishing Bar**



Cleans and renews the soldering tip surface. Clean the tip only when it is COLD to prevent tip damage.
Order number: WPB1

# **Weller Hot-Tip Activator**



For re-activation or re- wetting of dark, oxidized soldering tip, clean the tip in the activator while the tip is still HOT. Order number: T0051303199

# **WHP20 Preheating Plate**



Supplies additional heat energy to the PCB being soldered. This protects the board from partial overheating and allows the use of much lower, safer solder tip temperatures. Extended tip lifetime is the cost benefit.

Order number: WHP200

# **Tip Recycle Box**



Weller Tip Recycling Box for two rounds of used tips. Order number: T550729

Active-Tip Power-Response Silver-Line

16 | Genuine Weller Soldering Tips – A comprehensive tip guide.

weller-tools.com | 17

# How to extend the lifetime of your original Weller soldering tips.

The critical quality component in a soldering process is the soldering tip—which must transfer heat to the joint effectively and reliably. Improper care of the tips can result in qualiity loss and costly soldering issues. To prevent such problems and unneccesary waste, original Weller products and tips are recommended at all times.

Weller WD, WR, and WX series stations as well as the Stop & Go Safety Rest enable you to use devices in standby mode to protect the soldering tip and save energy.









Weller®

# Resources for the future.

# CARE ABOUT THE ENVIRONMENT?

Weller does and we want you to work with us to make it better.

Weller is a committed supporter of actions that help to protect our environment and to conserve its natural resources.

To this end, Weller is launching a recycling initiative for old, used soldering tips. By recycling the copper and iron from used tips, we can make a real contribution towards helping the environment and preserving its natural resources.

# **HOW IT WORKS:**

In the United States? We want you to collect your worn out soldering tips, all types from all manufacturers, send them to us and we will arrange for their environmentally safe recycling.

This will benefit the environment but it will also benefit you because for every 2 lbs. of worn out tips you send to us you will receive a \$75.00 voucher to be used against your next purchase of Weller Brand tips.

Get involved with Weller and the environment will profit and so will you.

Please send the full TIP RECYCLING BOX to the address on the box or to: Weller Tools 1000 Lufkin Road Apex, NC 27539 USA

















Apex Tool Group, LLC 100 Lufkin Road Apex, NC 27539 Tel: +1 (800) 688 8949 Fax: +1 (800) 234 0472

#### CANADA

Apex Tools – Canada 7361 Bath Road Mississauga, Ontario LT4 3T1 Tel: +1 (905) 673 4400 Fax: +1 (905) 673 4408

#### **GERMANY**

Weller Tools GmbH Carl-Benz-Straße 2 74354 Besigheim Tel: +49 (0)7143 580-0 Fax: +49 (0)7143 580-108

#### GREAT BRITAIN

Apex Tool Group (UK Operations) Ltd 4th Floor Pennine House Washington, Tyne & Wear NE37 1LY

Tel: +44 (0) 191 419 7700

#### FRANCE

Apex Tool Group S.N.C. 25 Avenue Maurice Chevalier B.P. 46 77832 Ozoir-la-Ferrière Cedex Tel: +33 (0) 1.64.43.22.00 Fax: +33 (0) 1.64 43 21.62

#### **ITALY**

Apex Tool S.r.l. Viale Europa 80 20090 Cusago (MI) Tel: +39 (02)9033101 Fax: +39 (02)90394231

#### SWITZERI AND

Apex Tool Switzerland Sàrl Rue de la Roselière 12 1400 Yverdon-les-Bains Tel: +41 (0) 24 426 12 06 Fax: +41 (0) 24 425 09 77

#### CHINA

Apex Tool Group
A-8 building
No. 38 Dongsheng Road
Heqing Industrial Park, Pudong
Shanghai PRC 201201
Tel: +86 (21)60880288

#### AUSTRALIA

Apex Tools P.O. Box 366 519 Nurigong Street Albury, N.S.W. 2640 Australia

Tel: +61 (2)6058-0300 Fax: +61 (2)6021-7403

#### SOUTH FAST ASIA

Apex Power Tools India Pvt Ltd Gala No. 1, Plot No. 5 S.No. 234, 235 & 245 India land Global Industrial Park. (Next to Tata Johnson Control) Taluka- Mulsi , Phase –I Hinjawadi Pune (411057) Maharashtra, India toolsindia@apextoolgroup.com

