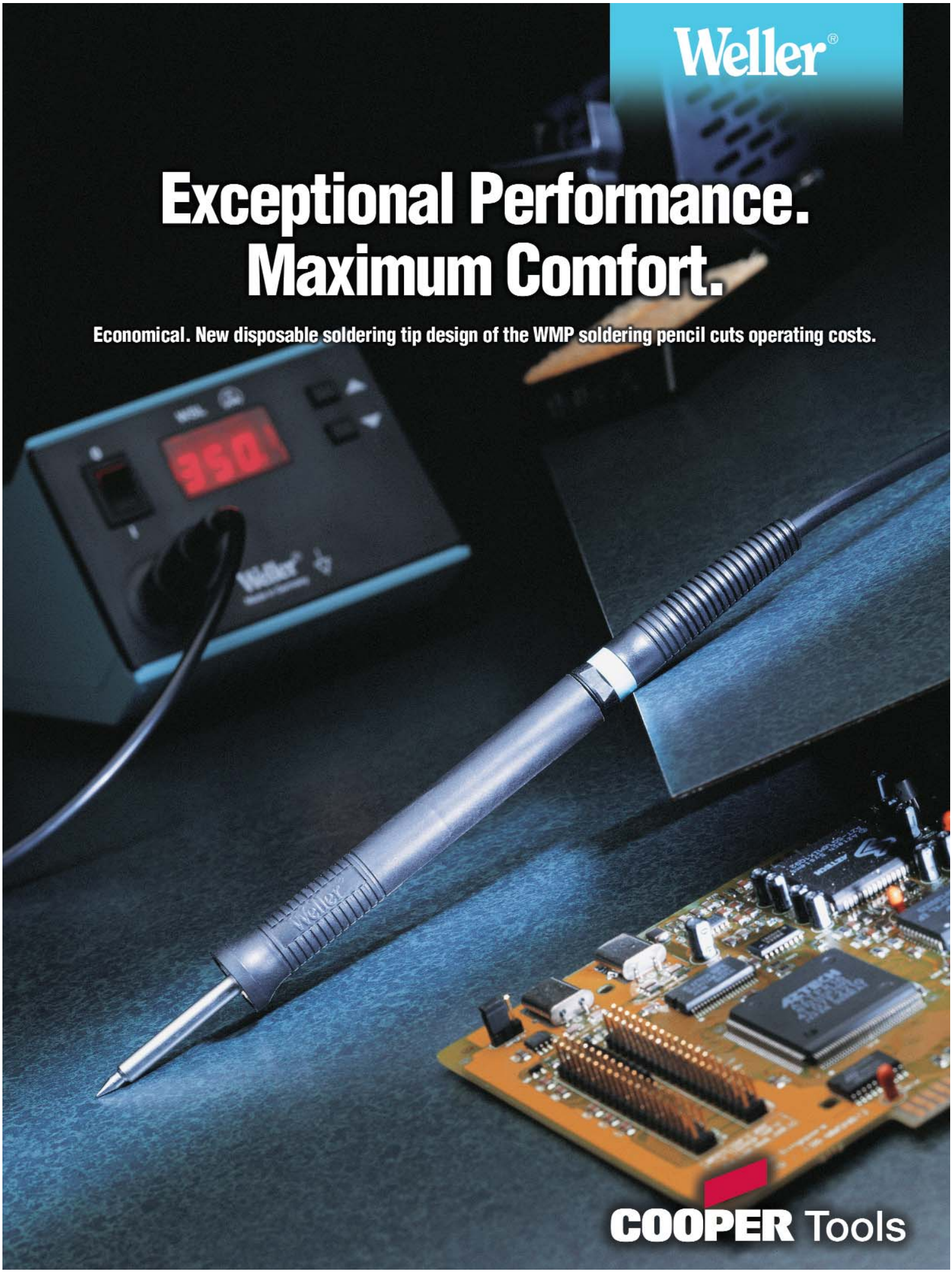

Weller®
Exceptional Performance.
Maximum Comfort.
Economical. New disposable soldering tip design of the WMP soldering pencil cuts operating costs.
COOPER Tools

A design that saves you money.

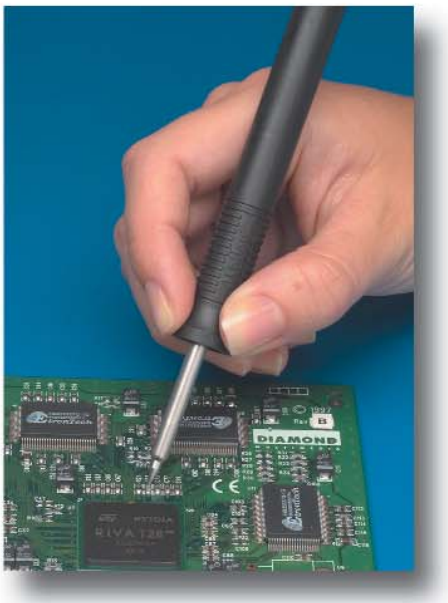
The old way

Many soldering pencils use an integrated heating element/tip design. When the tip wears out, the entire cartridge must be replaced, even though the heater has months – maybe even years – of useful life remaining. Very expensive! The WMP pencil changes all that.

The Weller® WMP way

The heart of the WMP soldering pencil is a genuinely different design that integrates the heating element into the handle rather than the tip while still providing a very short tip-to-grip distance. A special silver heating element, positioned directly behind the tip, provides optimum heat transfer to the soldering joint. The advantage of this design is that when a WMP pencil tip wears out, only the tip needs to be replaced, generating real cost savings.

A soldering pencil operators will want.



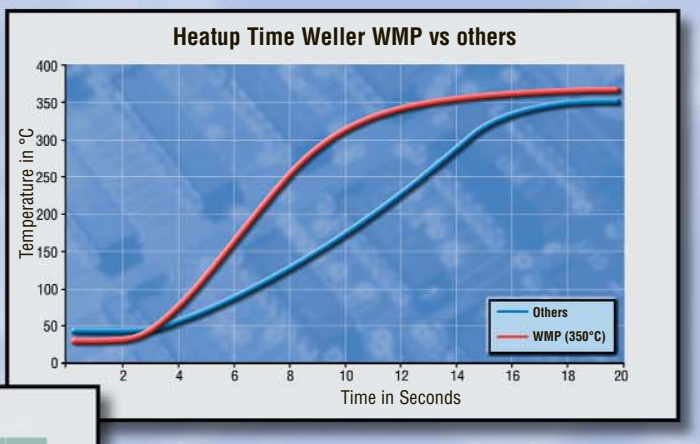
Once they try the new Weller WMP micro pencil, operators won't want to use anything else. It weighs just 39 grams and has a shorter tip-to-grip distance than any other pencil for precise, comfortable control. We wanted the WMP to be the most comfortable high performance pencil ever, so we also made it smaller. Compared to similar pencils, grip diameter is less and grip length is a full 30 mm shorter. In addition, the WMP can be connected to all popular Weller digital desoldering and rework stations particularly the WMD 3. Ergonomics at work for increased productivity.

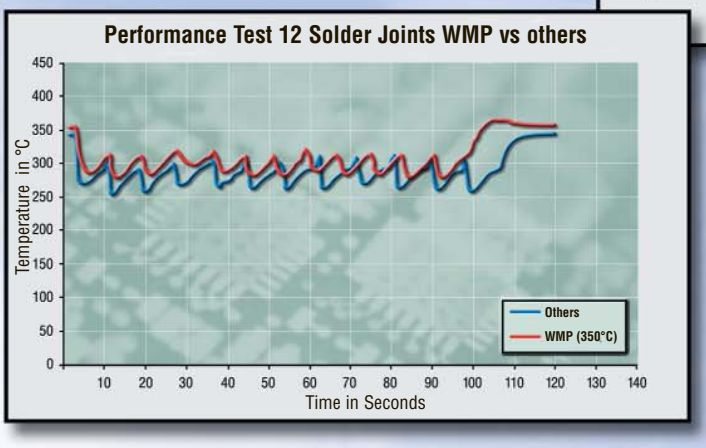
Performance That Delivers.

In todays high pressure production environment, rework performance is critical. The Weller WMP micro pencil is up to the task with superior performance for both heat-up and thermal efficiency just like the other electronic irons. The result is time saving and increased productivity for your operation. As with all of our electronically controlled irons the WMP handles lead-free solders with ease.

WMP reaches set working temperature faster, saving you valuable time.

The low-mass construction of the WMP pencil allows for extra fast heat-up. All system components – from the silver heating element to the tip – are designed for optimum heat transfer, resulting in extremely fast heat-up time. As you can see from the graph, others take considerably longer to reach working temperature from a cold start.





WMP's superior thermal recovery lets you work faster.

Fast recovery time, when soldering is critical to optimum operator efficiency. In the test to the left, the WMP completes twelve soldering joints in the same time it take others to complete eleven. That's a big difference when you consider the number of rework operators in your facility multiplied by the number of joints they work on each day.

Weller®

"ESD" Safe

Silicone-based, burn-proof
power cord for safety

ndle has
13 mm, ribs
ing

WSL Technical Data

Station	WSL	WSL2
Input Votlage	230 V	230 V
Output Voltage	24 V	24V
Power Consumption	95 W	160 W
Temperature Range	50°C - 450°C	50°C - 450°C
Footprint	166 x 115 x 101 mm	166 x 115 x 101 mm
Weight (power unit)	2,6 kg	2,6 kg
Temperature Accuracy	+/- 9°C	+/- 9°C
Temperature Stability	+/- 6°C	+/- 6°C
ESD safe	yes	yes
Iron	**WMP**	
Heating Element Type	Nichrome Wound	
Length /w/o cord or tip)	160 mm	
Iron Cord Length	1,20 m	
ESD safe	yes	
Standard Tip	NT1	
Iron Stand	WMPH	

Choose the station that matches your needs.

WSL

Consists of:
- Power unit PUD 81
  5 32 626 99 (UK: 5 32 623 99)
- Soldering pencil WMP
  WMP
- Pencil holder WPHM
  WPHM

- Ergonomical "Tip to Grip" design
- Economical, due to separate heating element from the soldering tip
- Highly precision digital temperature control
- Intelligent power unit
- 3-position digital display
- Temperature control from 50°C – 450°C
- Longlife soldering tips
- Versatile usage
- ESD safe

Order No.: **5 32 826 99**
(UK: 5 32 823 99)

WSL 2

Consists of:
- Power unit PUD 161
  5 32 726 99 (UK: 5 32 723 99)
- Soldering pencil WMP
  WMP
- Soldering Pencil WSP 80
  5 29 161 99
- Holder WPHM
  WPHM
- Holder WPH 80
  5 15 140 99

- Dual output soldering station
- Additional powerful 80 Watt soldering pencil WSP 80
- Versatile usage for rework operations - both tools can be used simultaneously – each with different tip or operating temperature
- Ergonomical "Tip to Grip" design (WMP)
- Economical, due to separate heating element from the soldering tip (WMP)
- Highly precision digital temperature control
- Intelligent power unit
- 3-position digital display
- Temperature control from 50°C – 450°C
- Longlife soldering tips
- ESD safe

Order No.: **5 32 846 99**
(UK: 5 32 843 99)

WSL T

Consists of:
- Power unit PUD 81
  5 32 626 99 (UK: 5 32 623 99)
- Soldering pencil WMP
  WMP
- Stop+Go support WPHT
  WPHT

- WPHT support for Stop+Go and temperature setback
- Ergonomical "Tip to Grip" design
- Economical, due to separate heating element from the soldering tip
- Highly precision digital temperature control
- Intelligent power unit
- 3-position digital display
- Temperature control from 50°C – 450°C
- Longlife soldering tips
- Versatile usage
- ESD safe

Order No.: **5 32 866 99**
(UK: 5 32 863 99)

WPHT

WPHT Stop+Go Support for WMP soldering pencil
The soldering iron support WPHT comes with two different functions:
- Stop + Go function
- Temperature set-back to 150°C to extend tip life

The WPHT support has an integrated micro switch to be activated by simply placing the soldering iron in the support. The operator can decide between an immediate or a delayed (20 min) temperature set-back and programm the power unit accordingly.

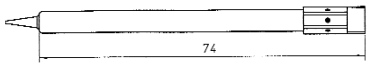
Order No.: **WPHT**

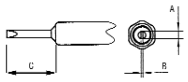
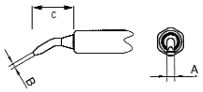
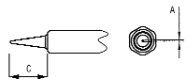
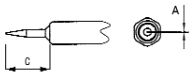
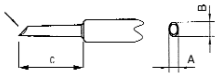
WCB 1 + 2

WCB 1 + WCB 2 program module
All popular digital Weller soldering stations can be programmed by the WCB 1 and WCB 2 program modules to provide:
- single temperature lockout
- temperature range lockout
- timed temperature set-back to extend tip life
- display in Farenheit or Celsius
- automatic shutoff and tip mass offsets
- Calibration: WCB 1: Reset to factory setting
  WCB 2: New calibration of soldering station and reset to factory setting

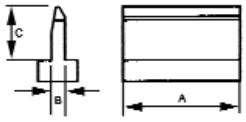
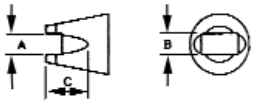
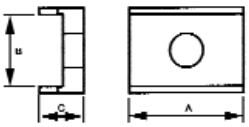
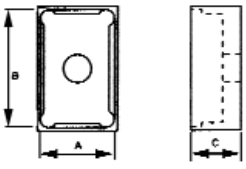
Order No. WCB 1: **5 31 181 99**
Order No. WCB 2: **5 31 182 99**

NT Tips



Description		Width A	Thickness B	Length C	Type / Order No.
Chisel tip		0,8 mm	0,4 mm	8,4 mm	NTH
		1,2 mm	0,4 mm	8,4 mm	NTK
		1,6 mm	0,4 mm	8,4 mm	NTA
		1,6 mm	0,4 mm	9,5 mm	NT6
		2,4 mm	0,8 mm	7,4 mm	NTB
		3,2 mm	0,8 mm	7,8 mm	NTC
		4,0 mm	0,8 mm	7,8 mm	NTD
Chisel tip, bent		0,4 mm	1,6 mm	8,2 mm	NTAX
Round tip, bent		1,6 mm	0,8 mm	8,6 mm	NT1X
Round tip		0,25 mm	-	7,4 mm	NT1
Round tip small		0,25 mm	-	8,5 mm	NT1S
Round tip, sloped 45°		1,2 mm	-	9,9 mm	NT4
Gull Wing		2,0 mm	3,0 mm	13,4 mm	NTGW
NT Measuring tip		-	-	-	NTMS

SMT Tips

Description		Width A	Thickness B	Length C	Component Type	Type / Order No.
Blade		10,4 mm	0,6 mm	7,1 mm	Any (for pad clean-up)	NTSMT01
		16,8 mm	0,6 mm	7,1 mm	Any (for pad clean-up)	NTSMT02
		20,8 mm	0,6 mm	7,1 mm	Any (for pad clean-up)	NTSMT03
Slot		1,8 mm	9,4 mm	1,8 mm	Chip	NTSMT04
		1,5 mm	2,3 mm	1,8 mm	Chip	NTSMT05
		2,5 mm	1,7 mm	1,4 mm	Chip	NTSMT06
		2,3 mm	4,5 mm	1,8 mm	Chip	NTSMT07
Tunnel		4,6 mm	5,1 mm	2,3 mm	DIP	NTSMT08
		10,4 mm	5,1 mm	2,3 mm	DIP	NTSMT09
		11,5 mm	6,9 mm	2,3 mm	DIP	NTSMT10
		13,2 mm	9,5 mm	3,2 mm	DIP	NTSMT11
		15,8 mm	9,5 mm	3,2 mm	DIP	NTSMT12
		18,3 mm	9,5 mm	3,2 mm	DIP	NTSMT13
		18,8 mm	9,0 mm	3,2 mm	DIP	NTSMT14
Quad		2,7 mm	7,7 mm	3,8 mm	PLCC & QFP	NTSMT15
		10,4 mm	10,4 mm	3,8 mm	PLCC & QFP	NTSMT16
		12,7 mm	12,7 mm	3,8 mm	PLCC & QFP	NTSMT17
		13,7 mm	8,6 mm	3,8 mm	PLCC & QFP	NTSMT18
		19,1 mm	19,1 mm	5,6 mm	PLCC & QFP	NTSMT19
		23,2 mm	17,3 mm	3,8 mm	PLCC & QFP	NTSMT20
		24,5 mm	24,5 mm	5,6 mm	PLCC & QFP	NTSMT21
		29,6 mm	29,6 mm	5,6 mm	PLCC & QFP	NTSMT22

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