

# WXsmart

CONNECTING  
THE FUTURE OF SOLDERING



# Welcome to the world of WXsmart!

The all-in-one WXsmart hand soldering platform offers maximum traceability and connectivity. As the most connected, controlled and secured hand soldering solution in the world, WXsmart is connecting the future of soldering!

Explore the main benefits of WXsmart here:



## CONNECT

Maximum connectivity, supporting IoT standards for full traceability with mobile-enabled, easy remote control access.



## SAFE

The first system with built-in cyber-security to prevent costly downtimes.





## SMART

The all-in-one station acts as the brain of the workbench by consolidating all soldering applications into one station.



## CONTROL

Total Process Control (TPC) to manage your complete soldering process from tip to station.



**TOTAL  
PROCESS  
CONTROL**

# WXsmart

## Connecting the Future of Soldering

BOOK A  
**FREE**  
DEMO!

Book a free demo:  
[wxsmart@weller-tools.com](mailto:wxsmart@weller-tools.com)



### Multiple users

- ✓ Operators
- ✓ Supervisors
- ✓ Research & Development
- ✓ Repair DepaRTMSents

## Covers all soldering applications

- ✓ High precision soldering (Pico)
- ✓ General purpose soldering (Micro)
- ✓ Heavy duty soldering (Ultra)
- ✓ Desoldering
- ✓ Rework
- ✓ Hot Air



## Multiple industries

- ✓ Electronics
- ✓ Medical Device Manufacturer
- ✓ Aerospace
- ✓ Automotive
- ✓ LED and Solar Technology

# WXsmart connect

Maximum connectivity, supporting IoT standards for full traceability with mobile-enabled, easy remote-control access.



**Integration  
in ERP System**

**Fast connection via  
WiFi or cable**



**ASK AN  
EXPERT**

[wxsmart@weller-tools.com](mailto:wxsmart@weller-tools.com)

## Hardware & Interfaces



### Total connectivity

- ✓ WiFi
- ✓ LAN
- ✓ USB
- ✓ 2 x RS 232

## Easy Data transfer



### Support of IoT standards

- ✓ Industry 4.0 ready
- ✓ Integration in existing systems for protocols

## Weller Software



### Realtime dashboard

- ✓ PC / Monitor
- ✓ Smartphone
- ✓ Tablet



# WXsmart smart soldering

The all-in-one station acts as the brain of the workbench by consolidating all soldering applications into one station. The platform fully supports Smart Soldering 4.0 with intelligent tips and tools saving cost, time and space.

## All-in-one station

Full rework station for all applications from XS to XXL component sizes

- ✓ High precision soldering (Pico)
- ✓ General purpose soldering (Micro)
- ✓ Heavy duty soldering (Ultra)
- ✓ Hot air
- ✓ Rework
- ✓ Desoldering

## Benchtop solution

The WXsmart is a centralized control unit acting as the brain of the workbench – by controlling multiple devices at the same time

- ✓ Rework Module WXair
- ✓ Fume extraction
- ✓ Preheating plate
- ✓ Soldering bath
- ✓ Calibration Unit







## Intelligent irons

For multiple functions

- ✓ Visual process control
- ✓ Intelligent tool detection
- ✓ Up to 10 parameter settings which can be customized

**Fast heat-up time:**



## Intelligent soldering tips

New smart tips offer multiple new features thanks to the integrated chip in every soldering tip:

- ✓ Extremely fast heat-up time  
3 sec with excellent heat transfer & recovery time
- ✓ Automatic tip identification
- ✓ Tip lock functionality for full process control
- ✓ Unique individual serial number for full traceability
- ✓ Tip off-set function
- ✓ Integrated data storage allowing full traceability for calibration history



# WXsmart smart soldering



## Modularity

Backwards compatibility of tips and tools for soldering, desoldering and hot-air applications, ensures the security of your all-in-one station investment.



**WXHAP**  
Hot Air Iron

**WXDP**  
Desoldering Iron

**WXDV**  
Desoldering Iron

**WXMTS**  
Tweezers

**WXUTS**  
Tweezers

**WXP65**  
Soldering Iron

**WXMPMS Pico and Micro**  
Soldering Iron

**WXUPSMS Heavy Duty**  
Soldering iron





## Security of your investment

Once invested in the WXsmart platform, the system can be expanded at will. Many tools that you already use can be easily connected. Thus we protect your investment and you are prepared for the future. With only one station.



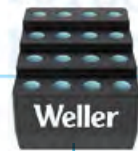
**Calibration Unit WCU**



**Filtration  
Zero Smog 4V & 6V**



**WX air Modul**



**Tip Holder WCTH**



**Preheating Plates**

# WXsmart control

Total Process Control (TPC) to manage your complete soldering process from tip to station





## Control via new User Management

3 stages of User Management:

- ✓ Admin: Full Function Control & Total Access to connectivity features
- ✓ Unlocked User Full Function Control
- ✓ Locked User: Limited Access depending on task



## Smart Control via WXsmart app

- ✓ Mobile monitoring with realtime power and temperature graph via tablet or mobile phone
- ✓ Temperature adjustments, iron on/off and color change
- ✓ Supervision via intuitive dashboard on PC monitor or control screens
- ✓ Remote Lock Function for
  - Smart Soldering Tools
  - Smart Soldering Tips



## Control via own system (MES integration)

- ✓ MQTT Broker
- ✓ All parameters as JSON structure



The WXsmart station can be remotely controlled via Weller Smart Control App. With Total Process Control (TPC), the WXsmart offers maximum connectivity and traceability – desktop or remote via tablet or smartphone app.

**BOOK A  
FREE  
DEMO!**

**Book a free demo:  
[wxsmart@weller-tools.com](mailto:wxsmart@weller-tools.com)**

# WXsmart safe

The first hand soldering system with built-in cyber-security to prevent costly downtimes



## Highest Cyber Security

- ✓ Highest security standards (TLS encryption)
- ✓ Two-Factor authentication (2FA)



## Less risks

- ✓ Running out from one device station in the system
- ✓ No data skimming in sensitive industries





## Higher productivity and efficiency

- ✓ Cyber attacks can cause heavy and expensive damage
- ✓ Prevention of downtimes
- ✓ Less system / process failures
- ✓ Less production stop

## Further safety benefits of WXsmart

Beyond cyber security, WXsmart offers additional safety factors in the soldering process as well as in handling:

- ✓ Heat-proof display – for damage protection
- ✓ Patented ESD safe
- ✓ Patented LED ringlights



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DEMO!**

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# WXsmart Auto-Calibration

Captures accurate data and documentation by automatically re-adjusting its soldering calibration for strong auditing.

## WCU – Weller Calibration Unit in Weller High Precision Temperature Measurement Device



### Makes calibration easier than ever before:

- ✓ High precision thermometer provides quick response of temperature measurement
- ✓ Integrated Calibration Counter
- ✓ Long Life Sensor (up to 50 measurements)
- ✓ Similar use of thermocross and thermocouple Typ K possible (two outputs)
- ✓ High mobility thanks to battery powered device

### Main benefits using WCU

- ✓ Documentations for Audits and Quality Management
- ✓ Traceability of calibration process
- ✓ Real time data
- ✓ Calibration via RS232
- ✓ Automatic Tip Offset

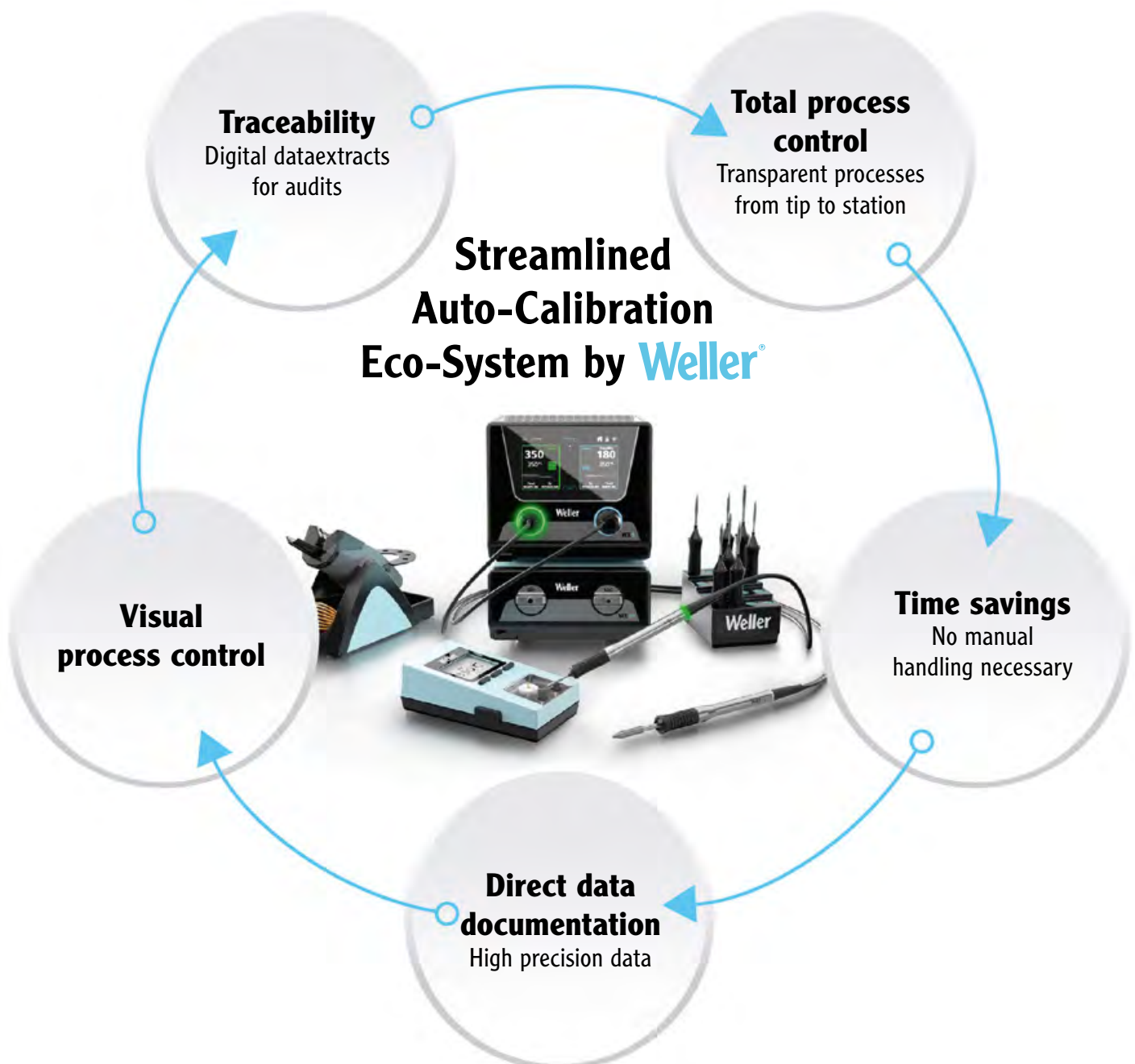




## Fast and Easy Measurement

Effortlessly auto-calibrate in less than 10 seconds, ensuring the operator can focus on the important soldering task with a precise temperature for best productivity.

This unique Auto Calibration Eco System of WXsmart and the Temperature Measuring and Calibration Device WCU is connecting the dataflow between different devices and works automatically, so no manual intervention is needed.



# WXsmart

## Connecting the Future of Soldering



### TOTAL PROCESS CONTROL

WXair HotAir &  
Desoldering Module

Safety Rest

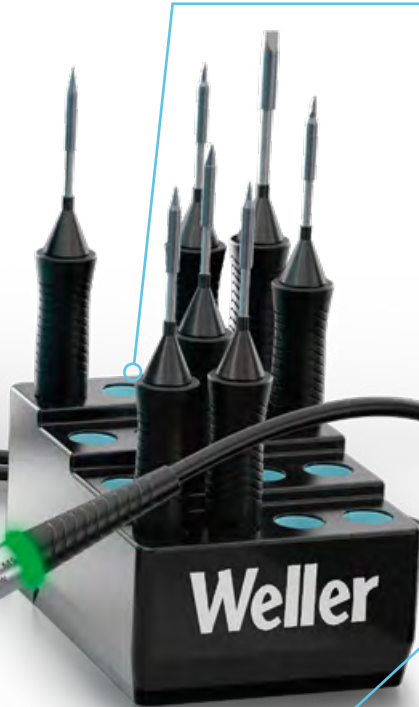
High Precision Temperature  
Measurement Device



The first all-in-one soldering station



Tip Holder



Intelligent Tips & Tools



# WXsmart

## 2 CHANNEL POWER UNIT, 300 W / 230 V

### The All-In-One Soldering Station for Every Soldering Task and Challenge



ORDER NO. 120 V: T0053451299

ORDER NO. 230 V: T0053451699

Answering all application needs from Pico, Micro, Heavy Duty Soldering and Tweezers Soldering from component size 0402 to 1612 and beyond Easily extendable to a full rework station with the WXair Rework Module. The station has 300 W, 2 soldering channels, 1 air and 1 vacuum channel. In total 16 tools are connectable to the WXsmart. No additional station is needed.

### KEY FEATURES

#### > ALL CONNECTIVITY INTERFACES EMBEDDED

The first hand soldering station that provides maximum connectivity, with all interfaces embedded (ex: factory), with no need for any additional hardware costs. The integration for every IT-environment is fast and flexible, with or without cable.

Simply select your preferred connection between:

- WLAN - LAN - USB - 2x RS 232

#### > FULL TRACEABILITY OF SOLDERING PROCESS

Tracing the hand soldering process with the WXsmart platform provides complete transparency, full process documentation and high process control. This greatly reduces failure in the soldering production, providing a higher quality of end result products and output. By leveraging existing IoT standards, Weller delivers data that is available in different formats and can be easily integrated into your ERP system. Data transfer of the manual hand soldering in real-time.

Weller offers three efficient ways to easily transfer and store data:

1. Directly from the station: Direct Connection to the MES System, collecting the data directly via broker systems.
2. Weller Windows Application App: Offers the possibility to store continuous data to a CSV file.
3. USB storage device: These files can be also imported to a SQL Database

#### > TOTAL PROCESS CONTROL WITH NEW USER MANAGEMENT INCLUDING PASSWORD PROTECTION (PIN)

WXsmart gives the administrator total process control of an individual operator's account with password protection, so operations are secured against unauthorized access.

User management controls provide restricted access and control to various parameters (temperature lock, tool lock and tip lock (smart tips only) and others), providing the operator with total control from tip to station, resulting in an increase of quality within the soldering process.

#### > PROTECTION AGAINST CYBER ATTACKS

The first hand soldering station with built-in protection against Cyber Attacks.

Weller delivers a high level of security by using TLS encryption and two-factor authentication (2FA), including Weller's built-in certificate upload mechanism that provides the soldering station with a customer verification-certificate, and protected software updates – all part of the cyber security system of the WXsmart.

#### > MOST POWERFUL IOT SOLDERING & REWORK STATION - WORLDWIDE!

2-Channel High-Power Station with a performance up to 300 W including desoldering and hot air tool support.

#### > FULL PROCESS AND TOOL CONTROL THROUGH 1 DEVICE

The WXsmart is a centralized benchtop control unit that acts as the brain of the workbench, controlling multiple devices at the same time. WXair Rework Module, Fume Extraction Units and Automatic Valve, Auto-Calibration Unit and Pre-Heating Plates all can be easily controlled from the WXsmart, with every tool aligned with each other. Controlling the workbench from one station saves time, space and money, with the ability for more than 20 devices and tools to be connected to just 1 station.

#### > PRECISE WORKING PROCESSES WITH POWER AND TEMPERATURE GRAPHS IN REAL-TIME

The new integrated station screen enables the operator to view in real-time, both the power & temperature graphs of their soldering process in full color.

#### > SUPERIOR VISIBILITY WITH A LARGE, COLORED HEAT-RESISTANT ESD-SAFE GLASS TOUCHSCREEN



Only Weller offers a fully ESD-safe hand soldering platform. The large patented, color glass 4.3-inch TFT touchscreen is the only screen in the hand soldering market that is truly ESD-safe and heat resistant. The screen is optimized for the navigation with ESD safe gloves, and hot soldering irons will not damage the touchscreen. Colors and clear parameter setting designs are visible from every angle.

#### > HIGHLY INTUITIVE USER INTERFACE (UI)

Weller's WXSmart introduces a completely new, highly intuitive user interface.

With 4 quick swipes the operator can easily navigate through the stations, saving time and costs

Swipe down = open menu

Swipe up = open benchtop control

Swipe right = open tool setting tool 1

Swipe left = open tool setting tool 2

#### TECHNICAL DATA SOLDERING STATION WXsmart

##### Dimensions L x W x H

173 mm x 153 mm x 142 mm / 6,81 inch x 6,02 inch x 5,59 inch

##### Weight 4,5 kg

##### Mains supply voltage

100V AC / 50/60 Hz 120V AC / 60 Hz 230V AC / 50/60 Hz

##### Power consumption 300W

##### Safety class

I, Supply unit / III, Soldering tool

##### Fuse

100V / T6,3A 120V / T5A 230V / T3,15A

##### Temperature range

100 - 450°C (550°F)

##### Tool dependent

200 - 850°F (950°F)

##### Temperature accuracy

± 9 °C / ± 17 °F

##### Temperature stability

± 2 °C / ± 4 °F

Subject to technical alterations and amendments.

# WXair

## REWORK MODULE WITH 1 AIR AND 1 VACUUM CHANNEL 100-230V

WXair upgrades a WXsmart Soldering station  
to a full All-in-One Rework Station



ORDER NO. 120 V: T0053452299  
ORDER NO. 230 V: T0053452699

The WXair rework module with 1 air and 1 vacuum channel turns your 2-channel WXsmart Soldering station into a full All-in-One Rework Station. No other soldering station is ever needed, all soldering, desoldering and hot air applications, from smallest to largest components, are covered with the WXsmart platform.

### KEY FEATURES

> **WORLD'S FIRST SELF-CONTAINED, 2-IN-1 REWORK MODULE WITH INTEGRATED HIGH PERFORMANCE ROTARY VANE PUMP**

Hot air and vacuum channels operate independently from an external air pressure supply. Combining hot air & desoldering in just one module saves space on the workbench and avoids high investment costs.

> **MORE SPACE ON YOUR WORKBENCH**

Designed to be stackable, a WXsmart Soldering Station can easily be stacked on top of a WXair Rework Module, keeping your workbench clean and organized.

> **EXCHANGEABLE FILTERS EXTEND THE LIFE TIME OF THE PUMP**

The filters can be changed fast and easily within seconds.

> **BACKWARDS COMPATIBILITY FOR MAXIMUM FLEXIBILITY**

Keep your investments low and upgrade your existing Weller WX 1, WX 2 Soldering Station into a hot air and desoldering station by using the WXair rework module.

> **FAST AND EASY STATION SET-UP**

Connect the WXair Rework Module to the WXsmart Soldering Station quickly and easily with a RS232 cable.

> **OPTIONAL FOOT SWITCH ACTIVATION FOR A SMOOTH WORKFLOW**

Both Air and Vacuum channels can be activated by a foot switch with different operating modes, ensuring a smooth workflow tailored to the user's needs.

Hot air WXHAP 200:

Operating mode level 1 – air flow continues for as long as the button on the hot-air iron or foot switch is pressed.

Operating mode level 2 – hot-air flow continues for between 0 and 300 seconds, stopping at the end of the set time, when the button is pressed once

Operating mode level 3 – WXHAP 200 switches on with one press of the button and off with the second press.

Desoldering WXDV120 / WXDP 120:

Activate VAC (Vacuum on-delay + Vacuum off-delay) on the WXsmart Station“

> **TOOL COMPATIBILITY**

Weller WXDP 120 Desoldering Iron with 120 W for horizontal use

Weller WXDV 120 Desoldering Iron with 120 W for vertical use

WXHAP 200 Hot Air Iron with 200 W

> **ESD SAFE**

The WXair Rework Module and all the connected tools are fully ESD safe



#### TECHNICAL DATA WXair

**Dimensions L x W x H**

197 mm x 153 mm x 86 mm  
7,75 inch x 6,02 inch x 3,38 inch

**Weight**

1,4 kg

**Mains supply voltage**

100-240V AC 50/60 Hz;

**Power consumption**

70 W

**Safety class**

I, antistatic housing

**Fuse**

T4A

**Max. Vacuum**

70 kPa

**Maximum quantity supplied**

18 l/min

**Ambient temperature**

10 - 40°C

**Subject to technical alterations and amendments.**

# WXMPS MS

## SMART MICRO SOLDERING IRON

MS 40 W, 12 V

(HAND PIECE WITHOUT TIPS)

WITH ACTIVE-TIP HEATING TECHNOLOGY

FOR RTMS MS / RTPS MS TIPS



ORDER NO: T0052923699

### + KEY FEATURES

#### > PERFECT FOR PICO, MICRO AND STANDARD SOLDERING APPLICATIONS FROM SMALLEST TO STANDARD COMPONENT SIZES

Weller's WXMPS Smart Micro Soldering Iron is a unique 2-in-1 soldering tool with 40 W that is compatible for almost all Pico & Micro soldering applications from smallest to standard component sizes. It can be used with Weller's Tip Family RTPS MS for very small Pico applications, and RTMS MStip Family for micro applications.

#### > EXTREMELY FAST 3-SECOND HEAT-UP TIME

The smart Micro Soldering Iron WXMPS MS uses Weller's Active Tip Technology (cartridge) for an optimized heat transfer with 40W maximum power, 12V performance. The extremely fast 3-second heat-up time delivers excellent heat transfer and recovery time during the soldering process for a high-performance continuous workflow. Short tip-to-grip distance provides maximum precision during the soldering process.

#### > PRECISE AND FAST HEAT TRANSFER WITH FAST RECOVERY TIME

Optimal sensor position close to the solder tip provides an excellent heat transfer, maximum power and recovery time

#### > WIDE TIP RANGE FOR EVERY APPLICATION

More than 40 smart universal soldering tip shapes and sizes that are connectable to just one soldering iron, with no need for additional tools.

#### > EASY TOOL IDENTIFICATION WITH VISUAL PROCESS CONTROL

Identification of the connected tool is fast and simple due to integrated RGB-lights. Easily customize the light colors to your own preference.

#### > INTELLIGENT TOOL DETECTION PROTECTS FROM DEFAULTS

All connected tools and accessories are detected automatically by the stations. In-use tools are shown by both photo and text on the large station display.

#### > SAVE INDIVIDUAL SOLDERING PROCESSES WITH INTEGRATED PARAMETER MEMORY

Up to 10 parameter settings can be customized and stored in the soldering iron, including standby temperatures and automatic switch-off times. The parameter setting remains on the iron, regardless of the station being used.

#### > FAST, SAFE AND EASY TIP EXCHANGE

The patented Weller RT cartridge Tips can be changed quickly without the need for additional tools, stand or pad, despite hot temperature conditions.

#### > REDUCED ENERGY CONSUMPTION THANKS TO A MOTION SENSOR

The soldering iron goes into "standby mode" when not in use. Simply move the iron to regain the it's working temperature within seconds.

#### > MAXIMUM PROTECTION

The WXMPS MS (military standard) smart soldering irons & soldering tips are fully compliant with IPC industry standards (IPC - TM-650 2.5.33 Measurement of Electrical Overstress from Soldering HandTools) and are also MIL-SPEC compliant. This provides maximum protection to both the printed circuit board and components, achieving excellent results, while keeping operating costs low.

#### > TOOL COMPATIBILITY

Iron for use with RTMS MS and RTPS MS smart Soldering Tip Family and WXsmart Soldering Station

#### TECHNICAL DATA SOLDERING IRON WXMPS MS (PICO/MICRO)

Temperature range °C: 100 - 450
Temperature range °F: 200 - 850
Power consumption: 40 W
Mains supply voltage: 12V / AC
Heat-up time: 3 s (50°C to 350°C / 120°F to 660°F)
Tip type series: RTMS MS / RTPS MS
Safety rest: WSR 208
Supply unit: WX Smart Station
<b>Subject to technical alterations and amendments.</b>

# WXUPS MS

## SMART ULTRA SOLDERING IRON

150 W, 24 V

(HAND PIECE WITHOUT TIPS)

FOR ACTIVE-TIP HEATING TECHNOLOGY

FOR TIPS RTUS MS MS



ORDER NO: T0052923599

### + KEY FEATURES

#### > PERFECT FOR HEAVY-DUTY SOLDERING APPLICATIONS

The Weller WXUPS smart soldering iron has 150 W, 24 V and covers almost all heavy-duty applications with large component sizes from 1612 and bigger (XL to XXL)

#### > EXTREMELY FAST 7-SECOND HEAT-UP TIME

The heavy-duty Soldering Iron WXUPS uses Weller's Active Tip Technology (cartridge) for an optimized heat transfer with 150W maximum power, 24V performance. The extremely fast 7-second heat-up time delivers excellent heat transfer and recovery time during the soldering process for a high-performance continuous workflow. Short tip-to-grip distance provides maximum precision during the soldering process.

#### > PRECISE AND FAST HEAT TRANSFER AND FAST RECOVERY TIME

Optimal sensor position close to the solder tip provides an excellent heat transfer, maximum power and recovery time due

#### > HIGH POWER AT THE POINT

Thermal Core Technology provides 150 W power, delivering heat through the joint, even providing precisely soldered multilayer boards

#### > EASY TOOL IDENTIFICATION WITH VISUAL PROCESS CONTROL

Identification of the connected tool is fast and simple due to integrated RGB-lights. Easily customize the light colors to your own preference.

#### > INTELLIGENT TOOL DETECTION PROTECTS FROM DEFAULTS

All connected tools and accessories are detected automatically by the stations. In-use tools are shown by both photo and text on the large station display.

#### > SAVE INDIVIDUAL SOLDERING PROCESSES WITH INTEGRATED PARAMETER MEMORY

Up to 10 parameter settings can be customized and stored in the soldering iron, including standby temperatures and automatic switch-off times. The parameter setting remains on the iron, regardless of the station being used.

#### > FAST, SAFE AND EASY TIP EXCHANGE

The patented Weller RT cartridge Tips can be changed quickly without the need for additional tools, stand or pad, despite hot temperature conditions.

#### > REDUCED ENERGY CONSUMPTION THANKS TO A MOTION SENSOR

The soldering iron goes into "standby mode" when not in use. Simply move the iron to regain the it's working temperature within seconds.

#### > MAXIMUM PROTECTION

The WXUPS (military standard) smart soldering irons & soldering tips are fully compliant with IPC industry standards (IPC - TM-650 2.5.33 Measurement of Electrical Overstress from Soldering Hand Tools) and are also MIL-SPEC compliant. This provides maximum protection to both the printed circuit board and components, achieving excellent results, while keeping operating costs low

#### > TOOL COMPATIBILITY

Iron for use with RTUSS smart Soldering Tip Family and WXsmart Soldering Station

#### TECHNICAL SOLDERING IRON WXUPS MS (ULTRA)

Temperature range °C: 100 - 450

Temperature range °F: 200 - 850

Power consumption: 150 W

Mains supply voltage: 24 V / AC

Heat-up time: 7 s

(50°C to 350°C) (120°F to 660°F)

Tip type series: RTUSS MS

Safety rest: WSR 200

Supply unit: WX Smart Station

Subject to technical alterations and amendments.

# WXMTS SMART

## MICRO SOLDERING TWEEZERS

2 X 40 W, 12 V

FOR TIPS RTWPS AND  
RTWMS



ORDER NO: T0051320999

Smart De-Soldering Tweezer is the perfect solution for fast and precise SMD rework of chip components and small / medium SOP from PCB assemblies (supports usage under the microscope). It has improved ergonomic with the new soft grip design. The short-distance tip-to-grip as well as the parallel sliding block ensures greater accuracy and comfort when working. The pre-adjusted pairwise tip design increases productivity as they are immediately ready to use.

### KEY FEATURES

#### > HIGH-PRODUCTIVITY

- Extremely short heat-up time: 5 sec.
- Excellent reaction times

#### > HIGHEST PRECISION

- Maximum precision during the soldering process with short tip-to-grip distance and optimized tip design
- Precise positioning with unique parallel sliding block guide
- No alignment necessary after tip change with pairwise design (pre-adjusted tips > time saving > increases productivity)
- Adjustability functions with Allen key: 1.5mm possible if needed ( $\pm 80^\circ$  rotation angle adjustment + vertical length adjustment of  $\pm 1.2$ mm)
- Intelligent Desoldering Tweezers Tips (allows Automatic Tip-Offset)

#### > UNIQUE INTELLIGENT 2-IN-1 DESOLDERING TWEEZERS, 2 X 40 W, 12 V

Supports Smart Pico (soldering or reworking SMDs such as 0402, 0201, 01005) & Micro Tweezer Tips for usage under the microscope. (Save one Tweezers Tool)

#### > FASTEST TIP CHANGE

Active Tip Cartridge System allows for easy exchange of soldering tip even with a hot desoldering tweezers, all without needing an extra tool or further adjustment

#### > VISUAL PROCESS CONTROL THROUGH RGB SIGNAL FUNCTION

Easy Tool Identification.  
Color customization enabled. (Choose between 12 colors)

#### > INTEGRATED PARAMETER MEMORY

- Standby temperature and automatic switch-off time can easily be stored in soldering iron
- Parameters only need to be stored once; the desoldering tweezers can use them with any WXsmart station

#### > ERGONOMICS

Improved comfort and safe handling with new ergonomic soft grips

#### > MILITARY STANDARD

According to Military Standard, Mil-Spec compliant and fully compliant to IPC industry standards (IPC - TM-650 2.5.33 Measurement of Electrical Overstress from Soldering Hand Tools)

#### > COMPATIBLE WITH

- WXsmart Control unit
- RTWMS / RTWPS Tip Range
- WSR 210 Safety Rest



TECHNICAL DATA DESOLDERING TWEEZERS WXMTS MICRO/PICO
Desoldering Tweezers: WXMTS
Temperature range °C: 100 - 450 Temperature range °F: 200 - 850
Power consumption: 80 W
Mains supply voltage: 12V / AC
Heat-up time: 5 s 50°C to 350°C (120°F to 660°F)
Tip type series: RTWMS / RTWPS
Safety rest: WSR 210
Supply unit: WX Smart Station
Subject to technical alterations and amendments.



# WXUTS SMART

## ULTRA SOLDERING TWEEZERS

2 X 75 W, 24 V

FOR TIPS RTWUS



ORDER NO: T0051321099

Smart De-Soldering Tweezer for Heavy Duty Applications are designed to solder and desolder SMDs such as QFP, PLCC, SOIC. It has improved ergonomic with the new soft grip design. The short-distance tip-to-grip as well as the parallel sliding block ensures greater accuracy and comfort when working. The pre-adjusted pairwise tip design increases productivity as they are immediately ready to use.

### KEY FEATURES

#### > HIGH-PRODUCTIVITY

- Extremely short heat-up time: 10 sec.
- Excellent reaction times

#### > HIGHEST PRECISION

- Maximum precision during the soldering process with short tip-to-grip distance and optimized tip design
- Precise positioning with unique parallel sliding block guide
- No alignment necessary after tip change with pairwise design (pre-adjusted tips > time saving > increases productivity)
- Adjustability functions with Allen key: 1.5mm possible if needed ( $\pm 80^\circ$  rotation angle adjustment + vertical length adjustment of  $\pm 1.2$ mm)
- Intelligent Desoldering Tweezer Tips (allows Automatic Tip-Offset)

#### > FOR HIGHEST ENERGY REQUIREMENTS

For highest energy requirements Supports heavy-duty desoldering applications

#### > FASTEST TIP CHANGE

Active Tip Cartridge System allows for easy exchange of soldering tip even with a hot desoldering tweezers, all without needing an extra tool or further adjustment

#### > VISUAL PROCESS CONTROL THROUGH RGB SIGNAL FUNCTION

Easy Tool Identification.  
Color customization enabled. (Choose between 12 colors)

#### > INTEGRATED PARAMETER MEMORY

- Standby temperature and automatic switch-off time easily be stored in soldering iron
- Parameters only need to be stored once; the desoldering tweezer can use them with any WXsmart station

#### > ERGONOMICS

Improved comfort and safe handling with new ergonomic soft grips

#### > MILITARY STANDARD

According to Military Standard, Mil-Spec compliant and fully compliant to IPC industry standards (IPC - TM-650 2.5.33 Measurement of Electrical Overstress from Soldering Hand Tools)

#### > COMPATIBLE WITH

- WXsmart Control unit
- RTWUS Tip Range
- WSR 210 Safety Rest



TECHNICAL DATA DESOLDERING TWEEZERS WXUTS ULTRA
Desoldering Tweezers: WXUTS
Temperature range °C: 100 - 450 Temperature range °F: 200 - 850
Power consumption: 150 W
Mains supply voltage: 24 V / AC
Heat-up time: 10 s 50°C to 350°C (120°F to 660°F)
Tip type series: RTWUS
Safety rest: WSR 210
Supply unit: WX Smart Station
<b>Subject to technical alterations and amendments.</b>

# WCU

## HIGH-PRECISION TEMPERATURE MEASUREMENT DEVICE



ORDER NO: T0053450199

Weller's WCU is a compact stand-alone high-precision temperature measurement device for quick and accurate temperature measurement. The WCU unit is strategically designed for users that need to measure fast and easy, while maintaining the highest level of accuracy. It comes with a large, non-backlit display.

### + KEY FEATURES

#### > HIGH-PRECISION TEMPERATURE MEASUREMENT DEVICE

Quick and accurate temperature measurements

#### > INTUITIVE NAVIGATION

Digital display for fast temperature unit change between °C and °F, and other functionalities. Values are easily readable from the large non-backlit display.

#### > FAST AND EASY MEASUREMENT

Effortlessly auto-calibrate in less than 10 seconds, ensuring the operator can focus on the important soldering task with a precise temperature for best productivity.

The Auto-Calibration function can be used with:  
WX 1, WX 2, WXD 2, WXA 2, WXR 3, WXsmart

**NOTE:** For the Auto-Calibration function a RS 232 cable (order number: T0058764710) needs to be purchased separately

#### > HIGH-MOBILITY

The compact designed, battery-powered Weller High Precision Temperature Measurement Device can easily be shared between different workstations

#### > SIMULTANEOUS USE OF THERMOCROSS AND THERMOCOUPLE

Keep track of soldering tip and soldering bath temperatures simultaneously

(Weller Thermocouple Type K Ø 0,1 mm T0058755782)

(Weller Thermocouple Type K Ø 0,5 mm T0053119099)

#### > TEMPERATURE MEASUREMENT COUNT FUNCTION

Number of tip temperature measurement will be automatically counted. This function can be useful for control of changing sensor.

#### > MAX HOLD FUNCTION

The WCU display will show/hold the maximum temperature measured.

#### > LOW ENERGY CONSUMPTION

Auto Turn-off Timer saves battery life shutting down the unit's power after 10 mins without use.

Different grounding possibilities, ex works = hard grounding

#### > WCU REPLACEMENT SENSOR

10 pcs. T0058771712

#### > ESD Safe

The Weller WCU Temperature Measurement Device is fully ESD safe



#### TECHNICAL DATA WCU

##### Temperature measuring range Thermocross

0 °C – 400 °C 32 °F – 752 °F

##### Temperature measuring range Type-K/Thermocouple

150 °C – +1200 °C 302 °F – +2192 °F

##### Applicable sensor

K (CA) type thermocouple

##### Measuring tolerance

±3 °C (between 300 and 600 °C) ±6 °F (between 572 and 1112 °F)

##### Energy supply

9V Dry battery Alkaline cell recommended.  
Recommended battery Ansmann XPower alkaline battery 9V E-block

##### Dimensions

L x W x H 138 x 73 x 43 mm

##### Weight

120 g (Without battery)

##### Ambient temperature

0 °C – 40 °C

##### Air humidity range

max. 80% Relative air humidity, without condensation

##### Ambient conditions

Applicable pollution degree 2 (According to IEC/ UL61010-1)

# WCTH


## TIP HOLDER KEEPS YOUR WORKBENCH CLEAN



ORDER NO: T0053450299

The Weller WCTH Storage Unit keeps Weller Cartridge Tips easily accessible, tips stored safely, and the workbench organized. The tip holder is compatible for all Weller Active RTips (Cartridge Tips).

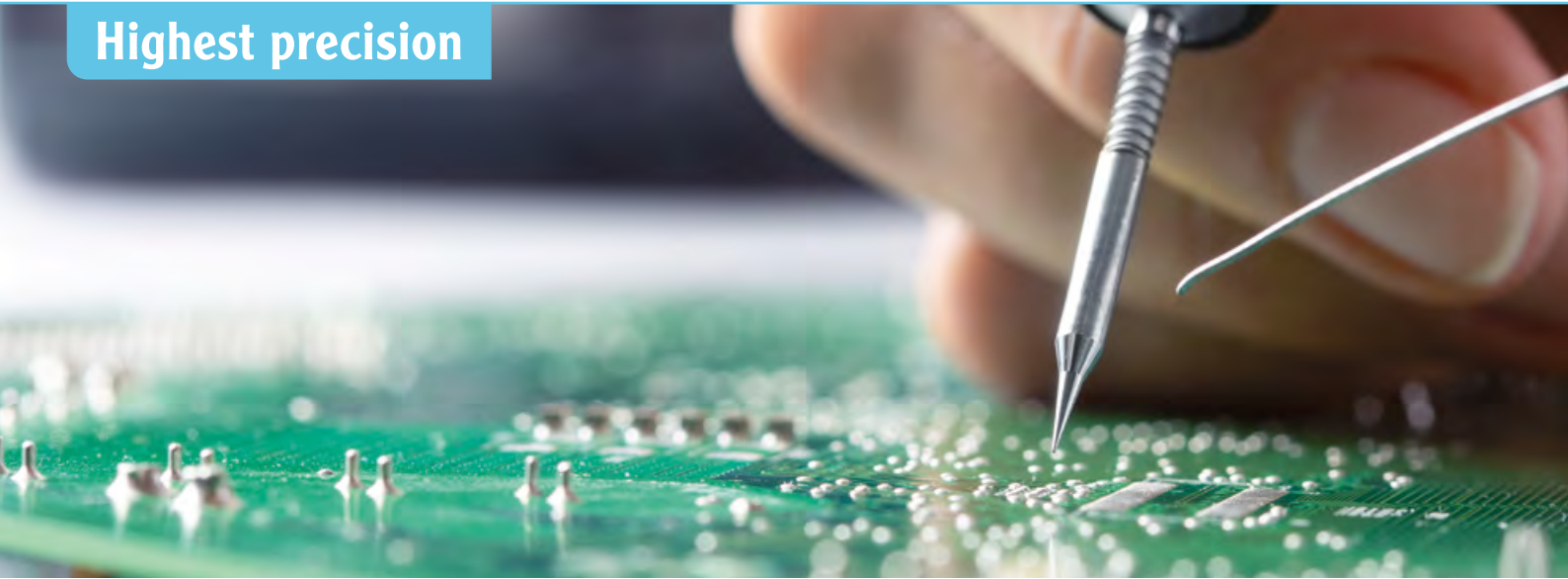
### KEY FEATURES

- > **FULL VISIBLE**  
All soldering tips are placed upright and therefore fully visible with tip styles and sizes.
- > **CLEARED UP**  
Your workbench is clean and organized with the WCTH storage device. Up to 16 active Weller RT soldering tips can be handled.
- > **SAFELY STORED**  
Place your preferred tips and your hot soldering tips always in the same order to handle your jobs safely and correctly.
- > **COMPATIBLE**  
All Weller active RT Tip Series can be stored.
- > **ESD SAFE**  
The WCTH tip holder is fully ESD safe 
- > **DIMENSION**  
L x W x H 9,0 x 6,5 x 4,8 cm

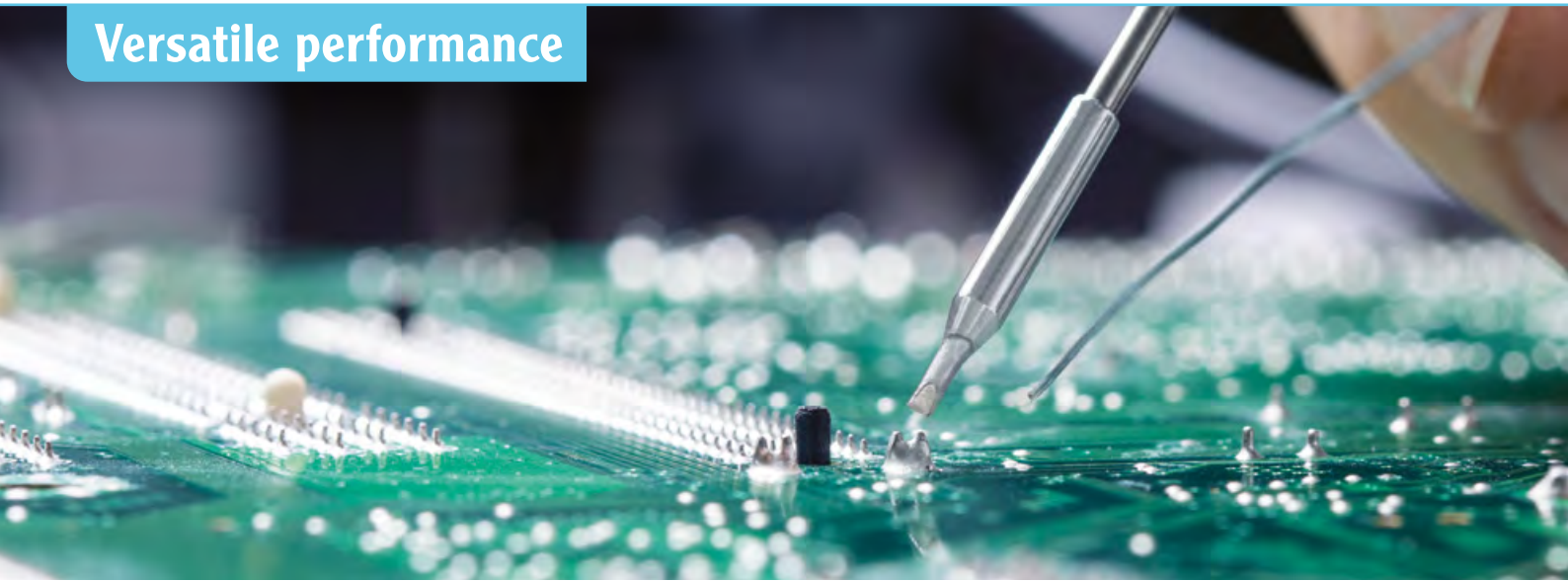


# Experience the widest tip range – for all soldering applications.

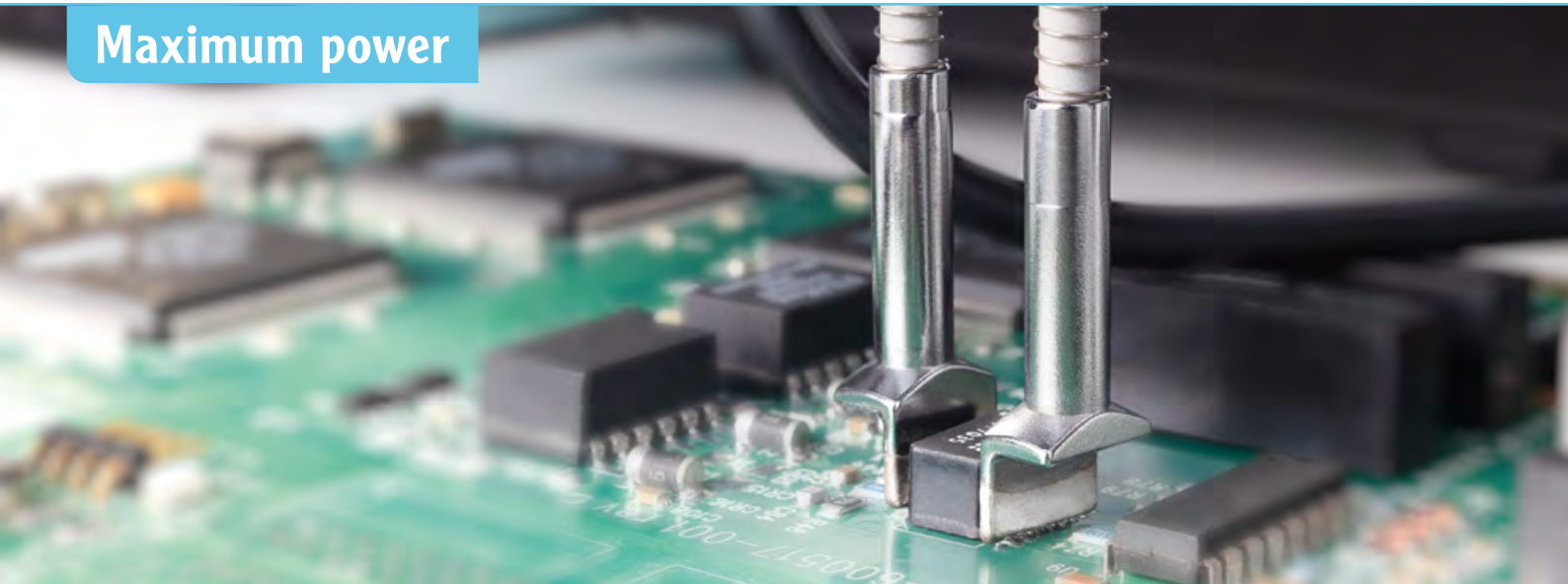
Highest precision



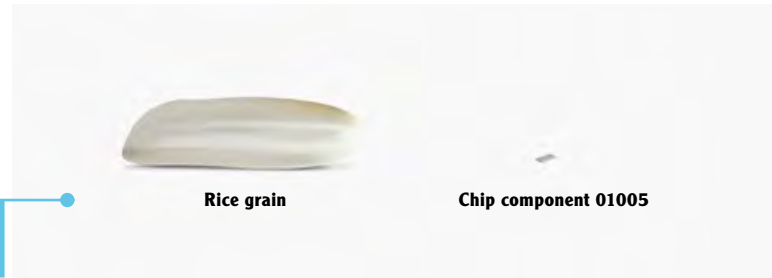
Versatile performance



Maximum power



Size comparison



## Smart RTPS / RTWPS Pico tips

Component size



Heat up time



### MADE FOR SMALLEST SOLDERING AND DESOLDERING APPLICATIONS

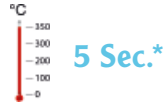
- + Aerospace (only MS versions)
- + Electronics
- + Sensors
- + Medical devices
- + Military (only MS versions)
- + Automotive

## Smart RTMS / RTWMS Micro tips

Component size



Heat up time



### VERSATILE PERFORMANCE FOR MICRO AND STANDARD COMPONENTS COVERING THE WIDEST RANGE OF APPLICATIONS

- + Aerospace (only MS versions)
- + Electronics
- + Sensors
- + Medical devices
- + Military (only MS versions)
- + Automotive

## Smart RTUS / RTWUS Ultra tips

Component size



Heat up time



### MADE FOR HIGH PERFORMANCE AND HEAVY DUTY APPLICATIONS

- + LED soldering
- + Solar technology
- + Electronic components
- + Multi-layer boards
- + Large heat sinks
- + Hyper frequency PCB with a big dissipater

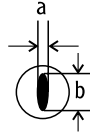
\*50°C – 350°C / 120°F – 620°F

# RTPS Smart Pico Tips

- + High performance tips for the smallest components: 0402 down to 01005
- + Short tip-to-grip distance
- + MIL-SPEC / IPC standard (potential free, MS versions)



## CHISEL

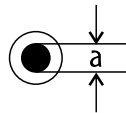


For use with



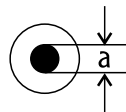
Model		Watt	Soldering Iron	Safety Rests	Length (mm) (inch.)	a / b (mm) (inch.)	Order No.
RTPS 002 S MS	MIL-SPEC VERSION AVAILABLE	40	WXMPS MS	WSR 208	16.3 0.642	0.2 / 0.1 0.008 / 0.004	T0050111199
RTPS 002 S NW MS	MIL-SPEC VERSION AVAILABLE	40	WXMPS MS	WSR 208	16.3 0.642	0.2 / 0.1 0.008 / 0.004	T0050111299
RTPS 004 S MS	MIL-SPEC VERSION AVAILABLE	40	WXMPS MS	WSR 208	16.3 0.642	0.4 / 0.2 0.016 / 0.008	T0050111399
RTPS 008 S MS	MIL-SPEC VERSION AVAILABLE	40	WXMPS MS	WSR 208	16.3 0.642	0.8 / 0.3 0.031 / 0.012	T0050111499
RTPS 010 S MS	MIL-SPEC VERSION AVAILABLE	40	WXMPS MS	WSR 208	16.3 0.642	1.0 / 0.3 0.039 / 0.012	T0050111599
RTPS 013 S MS	MIL-SPEC VERSION AVAILABLE	40	WXMPS MS	WSR 208	16.3 0.642	1.3 / 0.3 0.051 / 0.012	T0050111699

## BEVEL CUT



Model		Watt	Soldering Iron	Safety Rests	Length (mm) (inch.)	a / b (mm) (inch.)	Order No.
RTPS 004 B MS	MIL-SPEC VERSION AVAILABLE	40	WXMPS MS	WSR 208	16.3 0.642	0.34 0.013	T0050110999
RTPS 012 B MS	MIL-SPEC VERSION AVAILABLE	40	WXMPS MS	WSR 208	16.3 0.642	1.05 0.041	T0050111099

## CONICAL



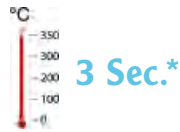
Model		Watt	Soldering Iron	Safety Rests	Length (mm) (inch.)	a / b (mm) (inch.)	Order No.
RTPS 001 C MS	MIL-SPEC VERSION AVAILABLE	40	WXMPS MS	WSR 208	17.9 0.705	0.1 0.004	T0050110399

## SOLDERING IRONS

**WXMPS MS**  
40W



### Heat up time



\*from 50°C to 350°C / 120°F to 620°F

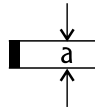


### Component size



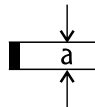
Model		Watt	Soldering Iron	Safety Rests	Length (mm) (inch.)	a / b (mm) (inch.)	Order No.
<b>RTPS 001 C NW MS</b>	MIL-SPEC VERSION AVAILABLE	40	WXMPS MS	WSR 208	17.9 0.705	0.1 0.004	T0050110499
<b>RTPS 002 C MS</b>	MIL-SPEC VERSION AVAILABLE	40	WXMPS MS	WSR 208	16.3 0.642	0.2 0.008	T0050110599
<b>RTPS 004 C MS</b>	MIL-SPEC VERSION AVAILABLE	40	WXMPS MS	WSR 208	16.3 0.642	0.4 0.016	T0050110699
<b>RTPS 001 C X MS</b>	MIL-SPEC VERSION AVAILABLE	40	WXMPS MS	WSR 208	20.6 0.811	0.1 0.004	T0050110799
<b>RTPS 002 C X MS</b>	MIL-SPEC VERSION AVAILABLE	40	WXMPS MS	WSR 208	20.6 0.811	0.2 0.008	T0050110899

### GULLWING



Model		Watt	Soldering Iron	Safety Rests	Length (mm) (inch.)	a / b (mm) (inch.)	Order No.
<b>RTPS 020 G MS</b>	MIL-SPEC VERSION AVAILABLE	40	WXMPS MS	WSR 208	15.9 0.626	1.3 / 2.1 0.051 / 0.083	T0050112099

### KNIFE



Model		Watt	Soldering Iron	Safety Rests	Length (mm) (inch.)	a / b (mm) (inch.)	Order No.
<b>RTPS 010 K MS</b>	MIL-SPEC VERSION AVAILABLE	40	WXMPS MS	WSR 208	15.9 0.626	1.0 / 0.2 0.039 / 0.008	T0050111799
<b>RTPS 010 K NW MS</b>	MIL-SPEC VERSION AVAILABLE	40	WXMPS MS	WSR 208	15.9 0.626	1.0 / 0.2 0.039 / 0.008	T0050111899
<b>RTPS 025 K MS</b>	MIL-SPEC VERSION AVAILABLE	40	WXMPS MS	WSR 208	17.3 0.681	2.5 / 0.3 0.098 / 0.012	T0050111999

Connecting the Future of Soldering

Find more information on

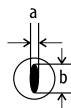
[www.weller-tools.com/wxsmart](http://www.weller-tools.com/wxsmart)

# RTMS Smart Micro Tips

- + High performance active tips for micro and standard components
- + Covers the widest range of geometries and sizes
- + MIL-SPEC / IPC standard (potential free, MS versions)



## CHISEL



For use with



Article name			Watt	Soldering Iron	Safety Rests	Length (mm) (inch.)	a / b (mm) (inch.)	Order No.
RTMS 003 S NW MS	MIL-SPEC VERSION AVAILABLE		40	WXMPMS MS	WSR 200	19.6 0.772	0.3 / 0.1 0.012 / 0.004	T0050115299
RTMS 004 S MS	MIL-SPEC VERSION AVAILABLE		40	WXMPMS MS	WSR 200	19.0 0.748	0.4 / 0.2 0.016 / 0.008	T0050109099
RTMS 006 S MS	MIL-SPEC VERSION AVAILABLE		40	WXMPMS MS	WSR 200	23.0 0.906	0.6 / 0.4 0.024 / 0.016	T0050108399
RTMS 008 S MS	MIL-SPEC VERSION AVAILABLE		40	WXMPMS MS	WSR 200	23.0 0.906	0.8 / 0.4 0.031 / 0.016	T0050109799
RTMS 008 S X MS	MIL-SPEC VERSION AVAILABLE		40	WXMPMS MS	WSR 200	23.0 0.906	0.8 / 0.4 0.031 / 0.016	T0050109499
RTMS 010 S MS	MIL-SPEC VERSION AVAILABLE		40	WXMPMS MS	WSR 200	18.0 0.709	1.0 / 0.3 0.039 / 0.012	T0050108499
RTMS 013 S MS	MIL-SPEC VERSION AVAILABLE		40	WXMPMS MS	WSR 200	19.0 0.748	1.3 / 0.4 0.051 / 0.016	T0050109199
RTMS 013 S X MS	MIL-SPEC VERSION AVAILABLE		30	WXMPMS MS	WSR 200	28.0 1.102	1.3 / 0.5 0.051 / 0.020	T0050108899
RTMS 015 S MS	MIL-SPEC VERSION AVAILABLE		40	WXMP MS	WSR 200	28.0 1.102	1.5 / 0.5 0.059 / 0.020	T0050109399



## SOLDERING IRONS

**WXPS MS**  
40 W (55W)  
T0052919299N



### Heat up time





\*from 50°C to 350°C / 120°F to 620°F



### Component size

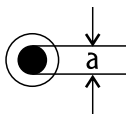


Article name			Watt	Soldering Iron	Safety Rests	Length (mm) (inch.)	a / b (mm) (inch.)	Order No.
<b>RTMS 018 S MS</b>	<b>MIL-SPEC</b> VERSION AVAILABLE		40	WXMPS MS	WSR 200	18.0 0.709	1.8 / 0.4 0.071 / 0.016	T0050108599
<b>RTMS 022 S MS</b>	<b>MIL-SPEC</b> VERSION AVAILABLE		40	WXMPS MS	WSR 200	18.0 0.709	2.2 / 0.4 0.087 / 0.016	T0050109699

# RTMS Smart Micro Tips



## BEVEL CUT





For use with

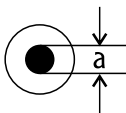









Soldering Iron: WXMP5 MS

Station: WXsmart

Article name			Watt	Soldering Iron	Safety Rests	Length (mm) (inch.)	a / b (mm) (inch.)	Order No.
<b>RTMS 004 B MS</b>	MIL-SPEC VERSION AVAILABLE		40	WXMP5 MS	WSR 200	18.5 0.728	0.4 0.016	T0050108299
<b>RTMS 012 B MS</b>	MIL-SPEC VERSION AVAILABLE		40	WXMP5 MS	WSR 200	18.0 0.709	1.2 0.047	T0050109599

## CONICAL



Article name			Watt	Soldering Iron	Safety Rests	Length (mm) (inch.)	a / b (mm) (inch.)	Order No.
<b>RTMS 001 C NW MS</b>	MIL-SPEC VERSION AVAILABLE		40	WXMP5 MS	WSR 200	19.0 0.748	0.1 0.004	T0050109999
<b>RTMS 002 C MS</b>	MIL-SPEC VERSION AVAILABLE		40	WXMP5 MS	WSR 200	19.0 0.748	0.2 0.008	T0050108999
<b>RTMS 002 C L MS</b>	MIL-SPEC VERSION AVAILABLE		40	WXMP5 MS	WSR 200	18.7 0.736	0.2 0.008	T0050108199
<b>RTMS 004 C MS</b>	MIL-SPEC VERSION AVAILABLE		40	WXMP5 MS	WSR 200	21.4 0.843	0.4 0.016	T0050115399
<b>RTMS 004 C X MS</b>	MIL-SPEC VERSION AVAILABLE		40	WXMP5 MS	WSR 200	25.0 1.004	0.4 0.016	T0050110299
<b>RTMS 005 C X MS</b>	MIL-SPEC VERSION AVAILABLE		40	WXMP5 MS	WSR 200	26.0 1.024	0.5 0.020	T0050110199
<b>RTMS 008 C MS</b>	MIL-SPEC VERSION AVAILABLE		40	WXMP5 MSS	WSR 200	18.0 0.709	0.8 0.031	T0050109299

## SOLDERING IRONS

WXMPS MS  
40 W (55W)  
T0052919299N



### Heat up time



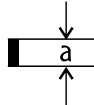
\*from 50°C to 350°C / 120°F to 620°F



### Component size

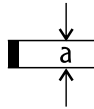


### GULLWING



Article name	Watt	Soldering Iron	Safety Rests	Length (mm) (inch.)	a / b (mm) (inch.)	Order No.
RTMS 020 G MS	40	WXMPS MS	WSR 200	20.0 0.787	2.0 / 1.2 0.079 / 0.047	T0050109899

### KNIFE



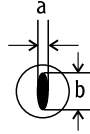
Article name	Watt	Soldering Iron	Safety Rests	Length (mm) (inch.)	a / b (mm) (inch.)	Order No.
RTMS 025 K MS	40	WXMPS MS	WSR 200	19.0 0.748	1.8 / 0.3 0.071 / 0.012	TT0050108799
RTMS 030 K MS	40	WXMPS MS	WSR 200	19.0 0.748	2.2 0.087	T0050115199

# RTUS Smart Ultra Tips

- + Designed for heavy duty applications and large components
- + Thermal Core Technology for optimized heat transfer
- + MIL-SPEC / IPC standard



## CHISEL



For use with



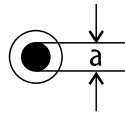
Soldering Iron: WXUPS MS



Station: WXsmart

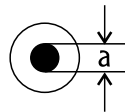
Model		Watt	Soldering Iron	Safety Rests	Length (mm) (inch.)	a / b (mm) (inch.)	Order No.
RTUS 015 S MS	MIL-SPEC VERSION AVAILABLE	150	WXUPS MS	WSR 200	28.0 1.102	1.5 / 0.4 0.059 / 0.016	T0050113099
RTUS 022 S MS	MIL-SPEC VERSION AVAILABLE	150	WXUPS MS	WSR 200	28.0 1.102	2.2 / 0.6 0.087 / 0.024	T0050113199
RTUS 032 S MS	MIL-SPEC VERSION AVAILABLE	150	WXUPS MS	WSR 200	27.5 1.083	3.2 / 0.8 0.126 / 0.031	T0050113299
RTUS 032 S L MS	MIL-SPEC VERSION AVAILABLE	150	WXUPS MS S	WSR 200	34.0 1.339	3.2 / 0.8 0.126 / 0.031	T0050113399
RTUS 050 S MS	MIL-SPEC VERSION AVAILABLE	150	WXUPS MS S	WSR 200	27.5 1.083	5.0 / 1.2 0.197 / 0.047	T0050113499
RTUS 076 S MS	MIL-SPEC VERSION AVAILABLE	150	WXUPS MS S	WSR 200	28.0 1.102	7.6 / 1.5 0.299 / 0.059	T0050113599
RTUS 093 S MS	MIL-SPEC VERSION AVAILABLE	150	WXUPS MS S	WSR 200	28.0 1.102	9.3 / 2.0 0.366 / 0.079	T0050113699
RTUS 006 S L MS	MIL-SPEC VERSION AVAILABLE	150	WXUPS MS S	WSR 200	33.5 1.319	0,6 X 0,3 0.024 x 0,012	T0050114499
RTUS 012 S L MS	MIL-SPEC VERSION AVAILABLE	150	WXUPS MS S	WSR 200	32.5 1.280	1,2 X 0,3 0.047 x 0,012	T0050114599
RTUS 018 S L MS	MIL-SPEC VERSION AVAILABLE	150	WXUPS MS S	WSR 200	35.0 1.378	1,8 X 0,8 0.071 x 0.031	T0050115099
RTUS 022 S L MS	MIL-SPEC VERSION AVAILABLE	150	WXUPS MS	WSR 200	32.0 1.260	2,2 X 1,0 0.087 x 0,039	T0050114899

## BEVEL CUT



Model		Watt	Soldering Iron	Safety Rests	Length (mm) (inch.)	a / b (mm) (inch.)	Order No.
RTUS 020 B MS	MIL-SPEC VERSION AVAILABLE	150	WXUPS MS	WSR 200	29.0 1.142	2.0 0.079	T0050112799
RTUS 035 B MS	MIL-SPEC VERSION AVAILABLE	150	WXUPS MS	WSR 200	29.0 1.142	3.5 0.138	T0050112899
RTUS 050 B MS	MIL-SPEC VERSION AVAILABLE	150	WXUPS MS	WSR 200	32.0 1.260	5.0 0.197	T0050112999
RTUS 015 B L MS	MIL-SPEC VERSION AVAILABLE	150	WXUPS MS	WSR 200	34.0 1.339	1,5 0.059	T0050114799

## CONICAL



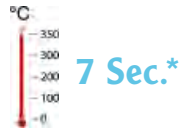
Model		Watt	Soldering Iron	Safety Rests	Length (mm) (inch.)	a / b (mm) (inch.)	Order No.
RTUS 004 C MS	MIL-SPEC VERSION AVAILABLE	150	WXUPS MS	WSR 200	27.5 1.083	0.4 0.016	T0050112199
RTUS 008 C MS	MIL-SPEC VERSION AVAILABLE	150	WXUPS MS	WSR 200	29.0 1.142	0.8 0.031	T0050112299
RTUS 016 C MS	MIL-SPEC VERSION AVAILABLE	150	WXUPS MS	WSR 200	27.5 1.083	1.6 0.063	T0050112399

## SOLDERING IRON

**WXUPS MS**  
150 W  
T0052923099



### Heating up time



\*from 50°C to 350°C / 120°F to 620°F

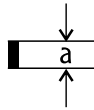


### Component size



Model			Watt	Soldering Iron	Safety Rests	Length (mm) (inch.)	a / b (mm) (inch.)	Order No.
<b>RTUS 004 C X MS</b>	MIL-SPEC VERSION AVAILABLE		150	WXUPS MS	WSR 200	39.2 1.543	0.4 0.016	T0050112499
<b>RTUS 008 C X MS</b>	MIL-SPEC VERSION AVAILABLE		150	WXUPS MS	WSR 200	39.2 1.543	0.8 0.031	T0050112599
<b>RTUS 016 C X MS</b>	MIL-SPEC VERSION AVAILABLE		150	WXUPS MS	WSR 200	39.2 1.543	1.6 0.063	T0050112699
<b>RTUS 006 C L MS</b>	MIL-SPEC VERSION AVAILABLE		150	WXUPS MS	WSR 200	33.5 1.319	0.6 0.024	T0050114299
<b>RTUS 003 C L MS</b>	MIL-SPEC VERSION AVAILABLE		150	WXUPS MS	WSR 200	34.0 1.339	0.3 0.012	T0050114399
<b>RTUS 010 C L MS</b>	MIL-SPEC VERSION AVAILABLE		150	WXUPS MS	WSR 200	34.0 1.339	1.0 0.039	T0050114699

## GULLWING



Model			Watt	Soldering Iron	Safety Rests	Length (mm) (inch.)	a / b (mm) (inch.)	Order No.
<b>RTUS 020 G MS</b>	MIL-SPEC VERSION AVAILABLE		150	WXUPS MS	WSR 200	28.0 1.102	2.0 / 1.3 0.079 / 0.051	T0050113799

## BLADE



Model			Watt	Soldering Iron	Safety Rests	Length (mm) (inch.)	a / b (mm) (inch.)	Order No.
<b>RTUS 100 K MS</b>	MIL-SPEC VERSION AVAILABLE		150	WXUPS MS	WSR 200	27.0 1.063	10.0 / 1.5 0.394 / 0.059	T0050113899
<b>RTUS 160 K MS</b>	MIL-SPEC VERSION AVAILABLE		150	WXUPS MS	WSR 200	27.0 1.063	16.0 / 1.5 0.630 / 0.059	T0050113999
<b>RTUS 200 K MS</b>	MIL-SPEC VERSION AVAILABLE		150	WXUPS MS	WSR 200	27.0 1.063	20.0 / 1.5 0.787 / 0.059	T0050114099
<b>RTUS 330 K MS</b>	MIL-SPEC VERSION AVAILABLE		150	WXUPS MS	WSR 200	27.0 1.063	33.0 / 1.5 1.299 / 0.059	T0050114199
<b>RTUS 060 K L MS</b>	MIL-SPEC VERSION AVAILABLE		150	WXUPS MS	WSR 200	38.0 1.496	4.25 / 0.4 0.167 / 0.016	T0050114999

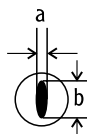
**Connecting the Future of Soldering**  
Find more information on  
[www.weller-tools.com/wxsmart](http://www.weller-tools.com/wxsmart)

# RTWPS Smart Pico Tweezers Tips

- + High performance tips for the smallest components:
- + 0402 down to 01005
- + Short tip-to-grip distance
- + MIL-SPEC / IPC standard (potential free, MS versions)



## CONICAL



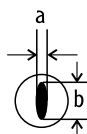
For use with



Micro Soldering Tweezers: WXMTS Station: WXsmart

Model		Watt	Soldering Iron	Safety Rests	a / b (mm) (inch.)	Order No.
RTWPS 001 C MS	MIL-SPEC VERSION AVAILABLE	2 x 40	WXMTS	WSR 210	∅ 0,1 ∅ 0.004	T0050115499
RTWPS 001 C X HM	MIL-SPEC VERSION AVAILABLE	2 x 40	WXMTS	WSR 210	∅ 0,1 ∅ 0.004	T0050115599

## CHISEL BENT



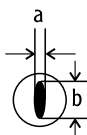
Model		Watt	Soldering Iron	Safety Rests	a / b (mm) (inch.)	Order No.
RTWPS 002 S X	MIL-SPEC VERSION AVAILABLE	2 x 40	WXMTS	WSR 210	0,2 x 0,1 0.008 x 0.004	T0050115699
RTWPS 002 S X HM	MIL-SPEC VERSION AVAILABLE	2 x 40	WXMTS	WSR 210	0,2 x 0,1 0.008 x 0.004	T0050115799

# RTWMS Smart Micro Tweezers Tips

- + High performance active tips for micro and standard
- + MIL-SPEC / IPC standard



## CONICAL BENT



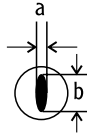
For use with



Micro Soldering Tweezers: WXMTS Station: WXsmart

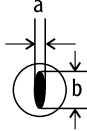
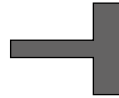
Model		Watt	Soldering Iron	Safety Rests	a / b (mm) (inch.)	Order No.
RTWMS 001 C NW X	MIL-SPEC VERSION AVAILABLE	2 x 40	WXMTS	WSR 210	∅ 0,1 ∅ 0.004	T0050116699
RTWMS 004 C X	MIL-SPEC VERSION AVAILABLE	2 x 40	WXMTS	WSR 210	∅ 0,4 ∅ 0.016	T0050115899

## CHISEL BENT



Modell			Watt	Soldering Iron	Safety Rests	a / b (mm) (pouce)	Order No.
RTWMS 007 S X	MIL-SPEC VERSION AVAILABLE		2 x 40	WXMTS	WSR 210	0,7 x 0,4 0,027 x 0,016	T0050115999
RTWMS 013 S	MIL-SPEC VERSION AVAILABLE		2 x 40	WXMTS	WSR 210	1,3 x 0,4 0,051 x 0,016	T0050116299
RTWMS 008 S	MIL-SPEC VERSION AVAILABLE		2 x 40	WXMTS	WSR 210	0,8 x 0,4 0,031 x 0,016	T0050116799

## BLADE



Model			Watt	Soldering Iron	Safety Rests	a / b (mm) (inch.)	Order No.
RTWMS 030 K	MIL-SPEC VERSION AVAILABLE		2 x 40	WXMTS	WSR 210	3,0 x 1,0 0,118 x 0,039	T0050116099
RTWMS 060 K	MIL-SPEC VERSION AVAILABLE		2 x 40	WXMTS	WSR 210	6,0 x 1,0 0,236 x 0,039	T0050116199
RTWMS 100 K	MIL-SPEC VERSION AVAILABLE		2 x 40	WXMTS	WSR 210	10,0 x 1,0 0,394 x 0,039	T0050116499
RTWMS 030 K	MIL-SPEC VERSION AVAILABLE		2 x 40	WXMTS	WSR 210	3,0 x 1,0 0,118 x 0,039	T0050116399
RTWMS 060 K	MIL-SPEC VERSION AVAILABLE		2 x 40	WXMTS	WSR 210	6,0 x 1,0 0,236 x 0,039	T0050116599

# RTWUS Smart Ultra Tweezers Tips

- + Designed for heavy duty applications and large components
- + Thermal Core Technology for optimized heat transfer
- + MIL-SPEC / IPC standard



For use with

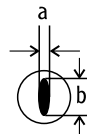


ULTRA Soldering Tweezers: WXUTS



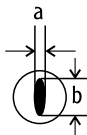
Station: WXsmart

## BEVEL CUT



Model			Watt	Soldering Iron	Safety Rests	a / b (mm) (inch.)	Order No.
RTWUS 015 B	MIL-SPEC VERSION AVAILABLE		2 x 75	WXUTS	WSR 210	1,5 0,059	T0050116899
RTWUS 026 B	MIL-SPEC VERSION AVAILABLE		2 x 75	WXUTS	WSR 210	2,6 0,102	T0050116999

## BLADE



Model			Watt	Soldering Iron	Safety Rests	a / b (mm) (inch.)	Order No.
RTWUS 060 K	MIL-SPEC VERSION AVAILABLE		2 x 75	WXUTS	WSR 210	6 0,236	T0050117099
RTWUS 100 K	MIL-SPEC VERSION AVAILABLE		2 x 75	WXUTS	WSR 210	10 0,393	T0050117199
RTWUS 200 K	MIL-SPEC VERSION AVAILABLE		2 x 75	WXUTS	WSR 210	20 0,787	T0050117299
RTWUS 150 K	MIL-SPEC VERSION AVAILABLE		2 x 75	WXUTS	WSR 210	15 0,59	T0050117399

# Weller®

## WXS Line Card

### SOLDERING IRONS

**WXP65, T0052921199N**

**65 W 24 V** - SOLDERING IRON WITH POWER-RESPONSE HEATING TECHNOLOGY

**WXP80, T0052920999N**

**80 W 24 V** - SOLDERING IRON WITH SILVER LINE HEATING TECHNOLOGY

**WXP90, T0052922599N**

**90 W 24 V** - HYBRID SOLDERING IRON WITH POWER RESPONSE HEATING TECHNOLOGY

**WXP120, T0052920299N**

**120 W 24 V** - SOLDERING IRON WITH POWER RESPONSE HEATING TECHNOLOGY

**WXP200, T0052920699N**

**200 W 24 V** - SOLDERING IRON WITH POWER RESPONSE HEATING TECHNOLOGY

**WXPP, T0052922699**

**WXPP MS (MIL SPEC) T0052923299**

**40 W, 12 V** - PICO SOLDERING IRON WITH ACTIVE HEATING TECHNOLOGY

**WXMP T0052920499N**

**WXMP MS (MIL SPEC) T0052921799N**

**T0052921799NT0052923299**

**40 W, 12 V** - MICRO SOLDERING IRON WITH ACTIVE HEATING TECHNOLOGY. 40 W, 12 V

**WXMPS MS (MIL SPEC) T0052923699**

**40 W, 12 V** - COMBINED PICO & MICRO SOLDERING IRON WITH SMART TIP (INTEGRATED CHIP) WITH ACTIVE HEATING TECHNOLOGY

**WXUP MS (MIL SPEC) T0052923399**

**150 W, 24 V** - ULTRA SOLDERING IRON WITH ACTIVE HEATING TECHNOLOGY

**WXUPS MS (ML SPEC) T0052923599**

**150 W, 24 V** - ULTRA SOLDERING IRON WITH SMART TIP (INTEGRATED CHIP) WITH ACTIVE HEATING TECHNOLOGY

**WXMT, T0051317899NWXMT MS (MIL SPEC), T0051320899**

**2 x 40 W** – MICRO DESOLDERING TWEEZERS WITH ACTIVE HEATING TECHNOLOGY.

**WXMTS, T0051320999**

**2 x 40 W** – SMART PICO & MICRO DESOLDERING TWEEZERS WITH ACTIVE HEATING TECHNOLOGY

**WXUTS, T0051321099**

**2 x 75 W** – SMART ULTRA DESOLDERING TWEEZERS WITH ACTIVE HEATING TECHNOLOGY





**NEW**

## WXsmart

300 W Soldering power unit with 2 channels

T0053451299 (120V)  
T0053451699 (230V)

**NEW**

## WXair

Rework Module with 1 Air and 1 Vacuum channel

T0053452299 (120V)  
T0053452699 (230V)

		COMPATIBLE TIPS
For small and medium components with average energy demand.		XNT
For medium components with high energy demand.		LT
For small and medium components with high energy demand.		XNT
		XH
For small and large components (High Mass) with high energy demand.		XT
For very large components (Shielding) with high/ medium energy demand.		XHT
For very small and small components and miniature works under a microscope with high energy demand. MS version according to Military Standard.		RTP
		RTPMS
For medium to large components with high energy demand. MS version according to Military Standard		RTM
		RTMMS
Perfect for Pico, Micro and Standard Soldering Applications (XS to L Component Sizes). According to military standard	<b>NEW</b> 	RTPS MS
		RTMS MS
For heavy-duty soldering applications and largest components (XL to XXL Component Sizes). According to military standard.		RTU
For heavy-duty soldering applications and largest components. Component size XL to XXL. According to military standard.	<b>NEW</b> 	RTUS MS
For soldering and desoldering. MS version according to Military Standard.		RTW
		RTW MS (MIL SPEC)
For soldering and desoldering of pico and micro components (XS to L component size)	<b>NEW</b> 	RTWMS & RTWPS (MIL SPEC)
For soldering and desoldering of large components (XL to XXL component size) with high energy requirement	<b>NEW</b> 	RTWUS (MIL SPEC)

# Weller®

## WXS Line Card

### DESOLDERING & HOT AIR TOOLS TO BE USED IN COMBINATION WITH WXair

**WXDP120, T0051320299N**

**120 W 24 V** - DESOLDERING IRON FOR HORIZONTAL USE WITH DESOLDERING NOZZLE

**WXDV120, T0051320599N**

**120 W 24 V** - DESOLDERING IRON FOR VERTICAL USE WITH DESOLDERING NOZZLE

**WXHAP200, T0052712099N**

**200 W, 24 V** - HOT AIR IRON WITH HOT AIR NOZZLE

### ACCESSORIES

**WCU, T0053450199 (EMEA), T0053452299 (US)**

TEMPERATURE MEASURING DEVICE AND AUTO CALIBRATION UNIT

**WCU SENSOR, T0058771712**

WCU SENSOR (10 PCS)

**WXHP120, T0052702999N**

**120 W** PREHEATING PLATE

**WHP1000, T0053364899N (EMEA), WHP1000N (US)**

**1000 W** PREHEATING PLATE

**WHP3000, T0053338699N (EMEA), WHP3000N (US)**

**600 W** PREHEATING PLATE

**WHP3000, T0053364699N (EMEA)**

**1200 W** PREHEATING PLATE

**WXS200, T0052704399N**

**200 W** SOLDER BATH

**WXS200, T0051391199**

FLOWIN SMART SOLDER FEEDER SYSTEM

**2M T0058764710**

CONNECTION CABLE

### FILTRATION SYSTEMS

**ZERO SMOG 4V, T0053662699N (EMEA), T0053662299N (US)**

VOLUME EXTRACTION UNIT FOR 4 WORKPLACES - ESD-SAFE

**ZERO SMOG 6V, T0053666699N (EMEA), T0053666299N (US)**

VOLUME EXTRACTION UNIT FOR 6 WORKPLACES - ESD-SAFE

**WFV 60 A AUTOMATIC STOP VALVE, T0058762746N**

WX SOLDERING STATION CONTROLLED AUTOMATIC STOP VALVE

**ZERO SMOG 20T, T0053670699N (EMEA)**

TIP EXTRACTION UNIT FOR 20 WORKPLACES - ESD-SAFE



**NEW** **WXsmart**  
300 W Soldering power unit with 2 channels

T0053451299 (120 V)  
T0053451699 (230 V)

**NEW** **WXair**  
Rework Module with 1 Air and 1 Vacuum channel

T0053452299 (120 V)  
T0053452699 (230 V)

## COMPATIBLE TIPS



XDS  
XDSL



XDS  
XDSL



F/R/D/Q



Are you ready for

# WXsmart?

**CONNECTING**  
**THE FUTURE OF SOLDERING**



**BOOK A  
FREE  
DEMO!**

**Book a free demo:  
[wsmart@weller-tools.com](mailto:wsmart@weller-tools.com)**

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