

WXHotAir
SMART TECHNOLOGY LINE

Weller
#PowerfulTogether



The Ultimate Rework Experience

WXHotAir – 900 W Controlled High Power Rework Module

weller-tools.com



WXHotAir Rework Station

Intelligent Heat. Total Control.

As electronics evolve, rework demands more than just heat. Higher copper content and sensitive components require precise, high-performance thermal control. WXHotAir delivers up to 900 W of accurately controlled hot air, ensuring stable heat transfer and reliable results for complex PCBs. Designed for professional development and production, it operates standalone or within the WXsmart platform. Integrated vacuum handling, temperature monitoring and thermal protection enable safe, repeatable and traceable rework processes.

Key benefits

- Integrated vacuum handling
- Thermocouple-based temperature monitoring
- Intelligent thermal protection
- Safe, repeatable and traceable rework processes.

Two vacuum pick-up options

Flexible component handling for different rework tasks, directly through the handpiece or with dedicated external tools



900 W CONTROLLED HIGH POWER

- Maximum thermal energy for demanding rework applications
- Stable thermal performance – ensures profile-compliant rework and consistent temperature behavior
- Reliable heat transfer for high copper and thermal mass PCBs



MAXIMUM FLEXIBILITY

- Standalone solution, software-based operation or WXsmart platform integration
- Modular, scalable plug & play solution with multiple Tools setups
- Space efficient, stackable workstation



FULL PROCESS CONTROL

- Integrated and external vacuum pick up for safe component removal
- Thermocouple based temperature monitoring
- Active protection for PCBs and temperature sensitive components
- Traceability through WXsmart integration

Stop & Go Tool Rest

Supporting safe and ergonomic tool placement, switch included

Airflow outlets

Internal vacuum channel



Ergonomic Design

Robust & more ergonomic handle, longer hose



Stable thermal performance

Ensures profile-compliant rework and consistent temperature behavior



The only HotAir station with traceability
Due to modularity and integration in WXsmart platform



Space-efficient stackable workstation design
Supports organized workbenches and scalable workstation setups



900 W Controlled high power for demanding rework

WXHotAir delivers with up to 900 W power maximum thermal energy for demanding rework applications and complex boards. Consistent thermal performance for profile specific finishing and uniform temperature distribution across a temperature range of 50–600 °C ensure profile compliant rework. The integrated vacuum pick-up allows safe and precise component removal directly after reflow.



1 High-precision component removal after reflow with two vacuum pick-up options

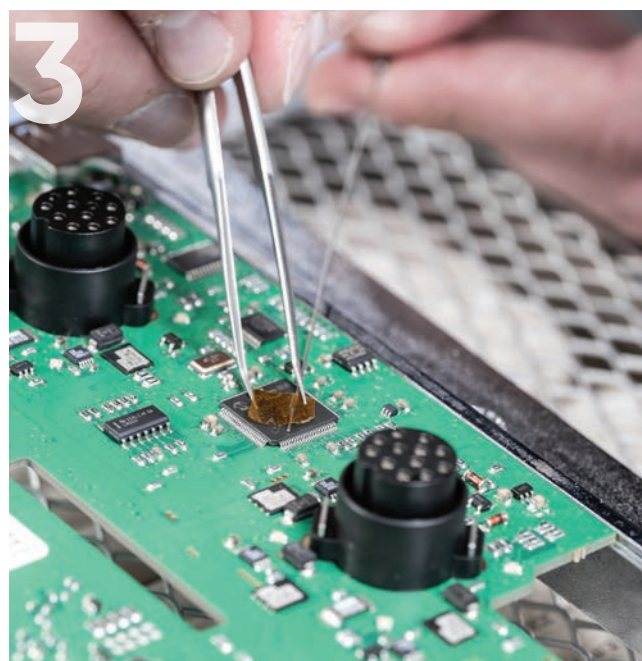
- 1. Integrated vacuum:**
The hot-air handpiece lifts the component directly from the PCB as soon as the solder has reflowed. No additional accessories are required.
- 2. External vacuum:**
The station operates either the WVP vacuum pipette or the WRK reflow set for precise component pick-up after reflow.

- 3 Safe handling of temperature-sensitive components**
Integrated temperature monitoring, teach-in mode, and overheating protection help prevent thermal damage during rework.



2 Rework of high-copper PCBs

The 900 W output power compensates for the rapid heat dissipation in printed circuit boards with a high copper content and high thermal mass.



Additional functions for controlled rework applications

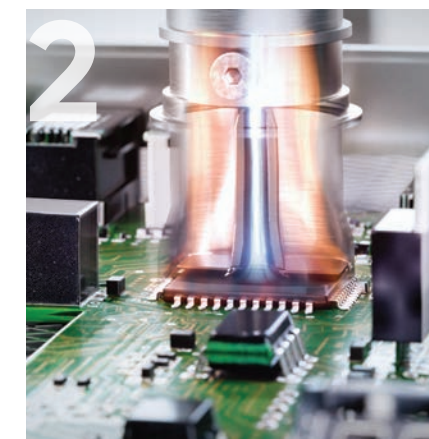
Hot air nozzles with dual function

The nozzle design combines optimized airflow with component preheating to support controlled heat transfer during rework. You can find additional nozzles and accessories on pages 12 through 15.



1 Component preheating

The integrated preheating function helps reduce the required maximum temperature and thermal stress on the component.



2 Optimized airflow

Airflow-optimized vents direct the hot air directly onto the pins.

LED-Modi Indication

The integrated LED communicates the station's current operating status through clear color signals and light patterns, enabling fast visual control at a glance.

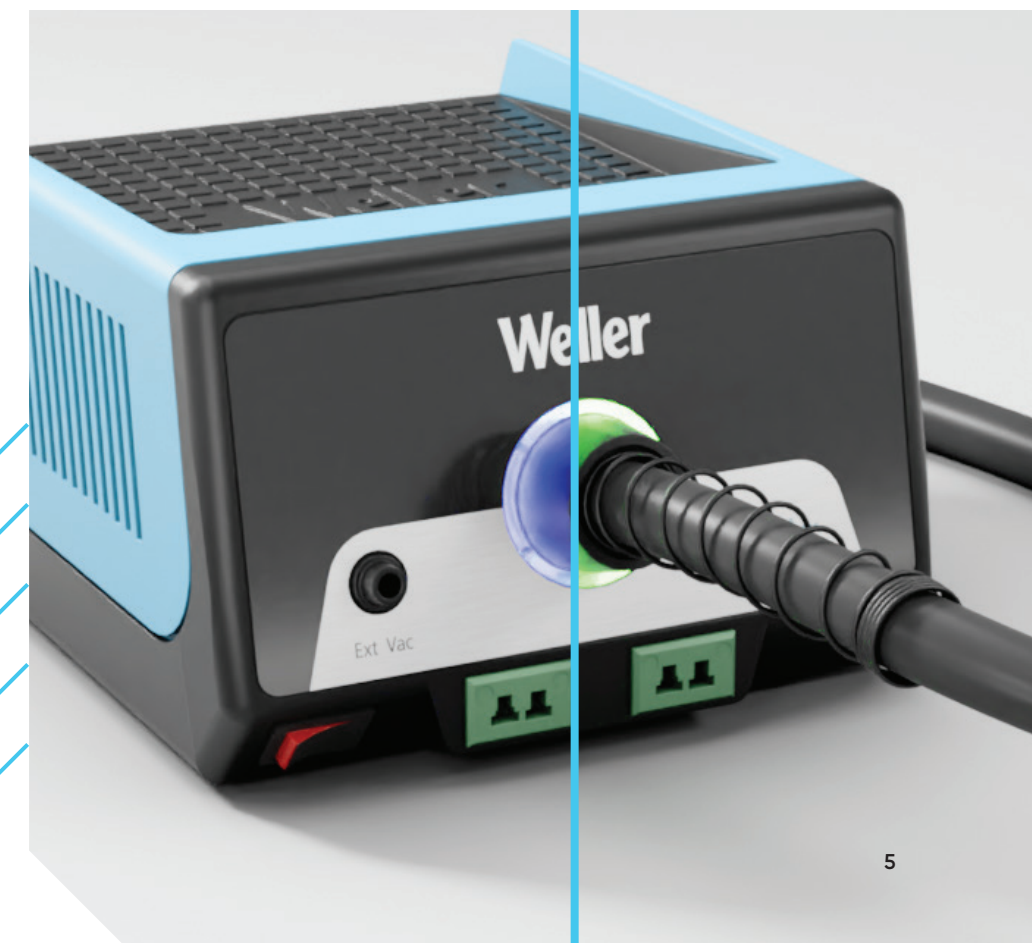
Dark blue, flashing:
Hot air and vacuum inactive

Dark blue, steady:
Hot air or vacuum active

Green, steady:
Hot air and vacuum active

Red, flashing:
Safety rest not connected

White, steady:
Standby mode active



WXHotAir – three setups for different rework requirements

WXHotAir supports three operating configurations: independent stand-alone operation for straightforward hot-air applications, integration into the WXsmart platform for a compact, traceable soldering and rework workstation, and connection to the included WXHotAir Desktop Software for profile development and process documentation.



Stand-alone operation

For straightforward applications with fixed settings

Stand-alone operation supports fixed temperature and airflow applications, such as heat-shrink processing or manual soldering and desoldering. Three presets can be configured in the Windows software and stored in the unit.

- Operation without a connected computer
- Fixed temperature and airflow settings
- Three stored presets with colour identification

Integrated into the WXsmart Soldering Platform

For a compact, integrated rework workstation

Adding WXHotAir to the WXsmart creates a three channel Rework system with High Power Hot Air, the perfect setup for all who look for a All-In-One solution. The stackable design saves space, while Profile Mode, Teach-In, and full traceability support controlled processes.

- Upgrade from two to three channels
- High-power hot air plus two soldering tools
- Space-saving, stackable design
- Profile Mode, Teach-In, and full traceability

Each WXHotAir configuration provides a different level of process control, documentation, and workstation integration.



Combined with the included WXHotAir Desktop Software

For profile development, monitoring, and documentation

The included Windows software supports complex profile creation, Sensor Tracking, Teach-In, dwell and reflow monitoring, and graphical temperature evaluation. Profiles can be archived as CSV files and stored with images, PDFs, and comments. Administrator and Operator modes separate editing from execution.

- Easy and comfortable profile creation and execution
- Unlimited profile archiving and reuse
- Sensor Tracking and Teach-In Mode
- Project-based process documentation
- Role-based user access



Adapter Cable
Order No. T0058774721

To connect the station to a PC and to use the software, the **USB A/M-RS232 to RJ12** adapter cable is required.

[Learn more about the available Sets on page 11](#)



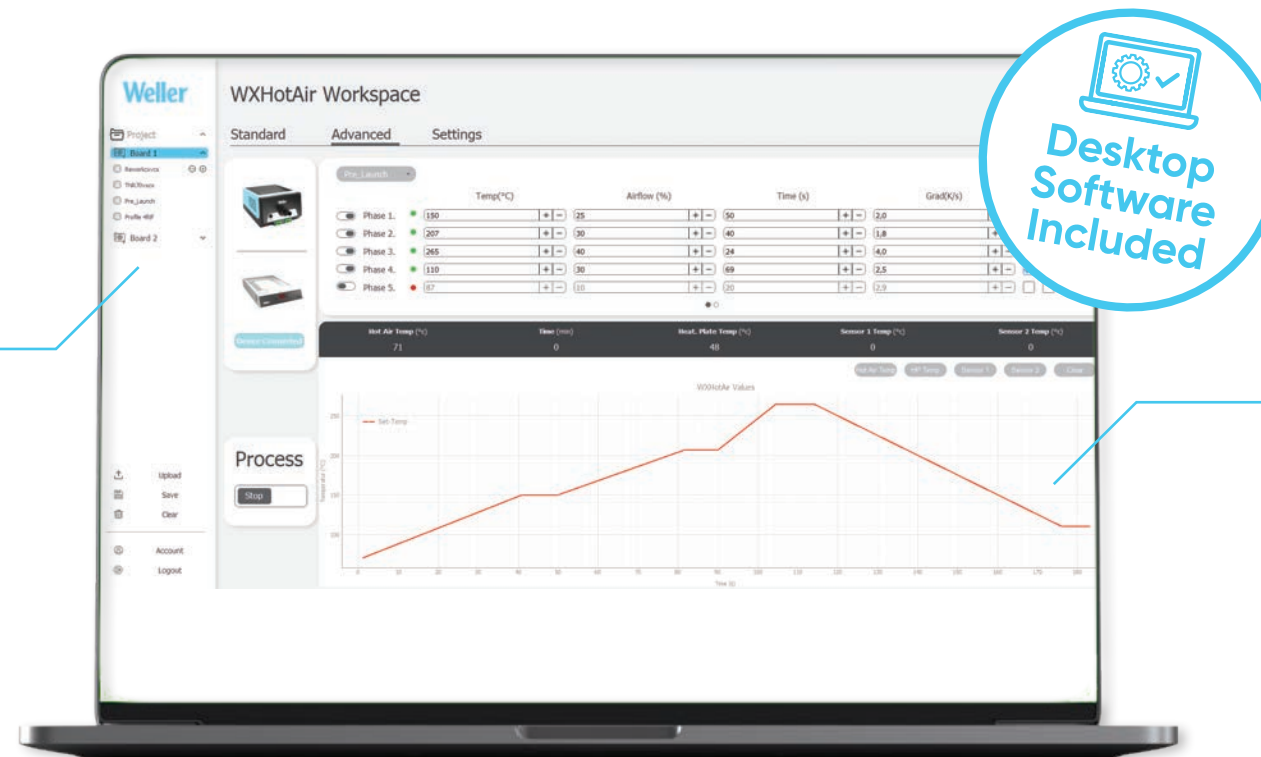
WXHotAir Desktop Software

Make rework easier.

Get full process control.

For controlled, profile-based rework

- Easy & fast Profile Setup
- Smart Profile Management
- Sensor Tracking and Teach-In Mode
- Live Temperature Monitoring
- Integrated Safety Functions
- Digital Process Documentation
- Role-based User Management
- Pre-heat control



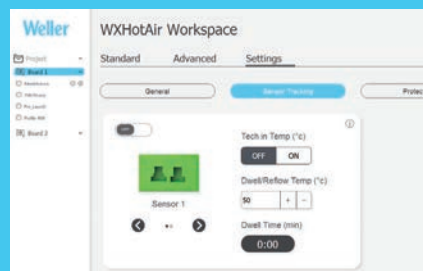
Smart profile management

An unlimited number of rework profiles can be created, archived, uploaded, and reused. Each board can contain up to five profiles for different components or applications, enabling structured, project-based profile management.

Complete process visibility

The graphical workspace displays the programmed temperature curve together with measured sensor values across the complete process. Profile phases, process development, and actual component temperatures remain visible in one view.

The core functions behind controlled, repeatable rework



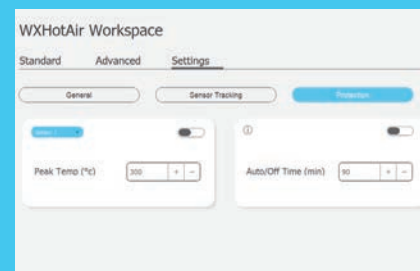
Sensor tracking & teach-in mode

Two connectable sensors monitor temperatures in real time. Real-time dwell/reflow temperature monitoring for optimized process control. Teach-In Mode records the time required to reach the defined sensor temperature for each process step enabling fast profile setup for consistent, repeatable high-quality results.



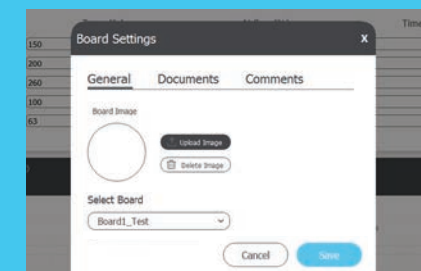
Professional process monitoring

Programmed setpoints and measured tool and sensor temperatures are displayed together throughout the process. The graph visualizes the complete thermal profile and can be saved for later evaluation.



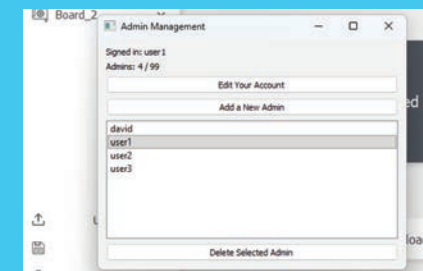
Integrated safety & protection

Sensor-based monitoring checks defined temperature limits and thermal exposure during execution. Peak-temperature shutoff, configurable auto-off provide additional process protection.



Digital process documentation

Profiles, comments, PDF work instructions, and images are stored within the corresponding project. CSV profiles can be archived, uploaded, and reused together with all relevant process information.



User management

Administrator and Operator modes separate profile management from process execution. Operators can load and run validated profiles, while parameter changes remain restricted to administrators.

Download the
WXHotAir Software



WXHotAir Rework Station

Technical data



Power consumption	800 W (900 W*)
Mains supply voltage	230 V (50/60 Hz)
Air Volume	
50 °C	1–50 l/min
300 °C	2–90 l/min
Temperature range	50–600 °C
Heat up time	
50 °C–350 °C	15 sec.
Fuse (V/A)	230 V/T4A
Noise level dB(A)	56 dB
Weight	2660 g
incl. packaging, brutto	3400 g
ESD safe	Yes
Safety class	Class 1
Tip family (Nozzle)	DR, ND, NRV, NQ, NQT, TNR
Operating modes	Standalone, Software based, with WXsmart
Scope of supply	WSR212 Safety Rest for WXHotAir NQ30 Nozzle WXHotAir Nozzle Adapter Nozzle Change Tool WX Connecting Cable WXHotAir Software

* Peak power.

WXHotAir Sets – including WXsmart

Ready for soldering and rework

Basic Set

WXS2030 WXHotAir
Hot air, soldering & desoldering tweezer

Order No. T0053176699

Uniform heating without mechanical stress for safe and reliable everyday rework.

Scope of Supply:

- + WXHotAir Set 230V
- + WXsmart Power Unit 230V
- + WXMTS Micro Desoldering Tweezers (Hand piece)
- + WSR 210 Safety Rest
- + RTWMS 030 K Desoldering Tweezers Tip
- + RTWPS 002 S X Desoldering Tweezers Tip
- + WXMPMS MS Soldering Iron (Hand piece)
- + WSR 208 Safety Rest
- + RTMS 013 S MS Tip Chisel 1.3x0.4
- + RTPS 004 S MS Tip Chisel 0.4x0.2
- + **Free WXHotAir Software**

Learn more about WXS2030 WXHotAir

Advanced Set

WXS2031 WXHotAir
Hot air, soldering & desoldering iron

Order No. T0053177699

Precision desoldering and flexible SMT/BGA handling for versatile rework tasks.

Scope of Supply:

- + WXHotAir Set 230V
- + WXsmart Power Unit 230V
- + WXMPMS MS Soldering Iron (Hand piece)
- + WSR 208 Safety Rest
- + RTMS 013 S MS Tip Chisel 1.3x0.4
- + RTPS 004 S MS Tip Chisel 0.4x0.2
- + WXair Modul 100–230V
- + WXD 120 Desoldering Iron
- + WSR 207 Safety Rest
- + Cleaning Tool WXD/DSX 120
- + **Free WXHotAir Software**

Learn more about WXS2031 WXHotAir

Expert Set

WXS2032 WXHotAir
Hot air, soldering & desoldering iron, pre-heating plate, PCB holder

Order No. T0053178699

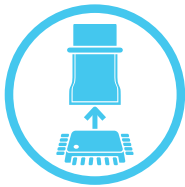
Comprehensive SMD and multi-layer PCB support for repeatable industrial rework processes.

Scope of Supply:

- + WXHotAir Set 230V
- + WXsmart Power Unit 230V
- + WXMPMS MS Soldering Iron (Hand piece)
- + WSR 208 Safety Rest
- + RTMS 013 S MS Tip Chisel 1.3x0.4
- + RTPS 004 S MS Tip Chisel 0.4x0.2
- + WXD 120 Desoldering Iron
- + WSR 207 Safety Rest
- + Cleaning Tool WXD/DSX 120
- + WXair Modul 100–230V
- + WBHS PCB Holder w. Tripod
- + WHP 3000 Infrared Preheating Plate 230V 1200W
- + WX Adapter for WFE/WHP
- + WX Connection Cable
- + Temperature Sensor for WCB2
- + Depositing Rack
- + **Free WXHotAir Software**

Learn more about WXS2032 WXHotAir

Pick-Up Nozzles Overview



NQ Nozzles

- For WXHotAir, WHA3000P/V
- 4 sides heated
- Integrated pre-heating plate for pre-heating components
- Air outlet slots around the plate with a width of approx. 1 mm

Article Model Order No.		Length in mm	Width in mm
NQ05 T0058736839N	 	10.7	10.7
NQ15 T0058736838N	 	14.5	10.0
NQ10 T0058736818N	 	14.8	14.8
NQ20 T0058736837N	 	15.5	13.0
NQ25 T0058736814N	 	18	18
NQ30 T0058750721N	 	17.5	23.5
NQ35 T0058736807N	 	20.5	20.5
NQ T0058736880N	 	24	12
NQ40 T0058736804N	 	26	26
NQ45 T0058736833N	 	31.3	31.3
NQ50 T0058736891N	 	36	36
NQ55 T0058736890N	 	43	43

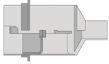
NQT Nozzles

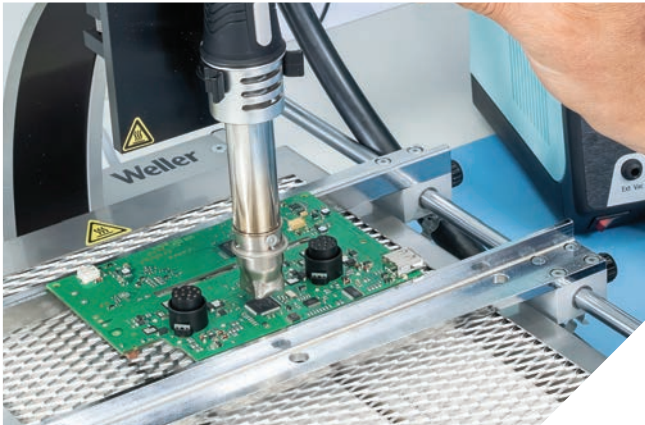
- For WXHotAir, WHA3000P/V
- 4 sides heated without protruding edge for thin components
- Air outlet slots around the plate with a width of approx. 1 mm

Article Model Order No.		Length in mm	Width in mm
NQT10 T0058750741N	 	14.8	14.8
NQT25 T0058750742N	 	18	18
NQT T0058750739N	 	22	22

Measuring Nozzle

- For WXHotAir, WHA3000P/V

NA 20 T0058736875N	 
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ND Nozzles

- For WXHotAir, WHA3000P/V
- 2 sides heated
- Integrated pre-heating for pre-heating components
- Air outlet slots around the plate with a width of approx. 1 mm

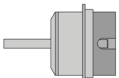
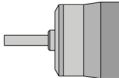
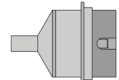
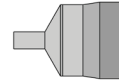
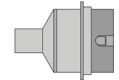
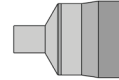
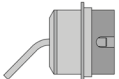
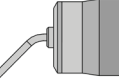
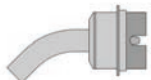
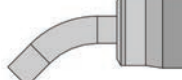
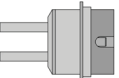
Article Model Order No.		Length in mm	Width in mm
ND05 T0058736843N	 	10.7	10.7
ND10 T0058736842N	 	14	10
ND15 T0058736841N	 	19	14
ND20 T0058736840N	 	21.5	14.8

NRV Nozzles

- For WXHotAir, WHA3000P/V
- Integrated pre-heating plate for pre-heating components
- Air outlet slots around the plate with a width of approx. 1 mm

Article Model Order No.		Diameter in mm	Angle in mm
NRV07 T0058750770N	 	7	
NRV10 T0058750772N	 	10	
NRV12 T0058750774N	 	12	

Hot Air Nozzles Overview

NR Nozzles				TNR Nozzles			
- For WXHotAir, WHA3000P/V - Round nozzles, without vacuum - Bent versions available				- For WXHotAir (Adapter) and WTHA1 - Round nozzles, without vacuum			
Article Model Order No.		Diameter in mm	Angle	Article Model Order No.		Diameter in mm	Angle
NR04 T0058736881N		2.5		TNR 25 T0058768742N		2.5	
NR05 T0058736867N		4		TNR 40 T0058768743N		4	
NR10 T0058736870N		7		TNR 70 T0058768744N		7	
NR02 T0058736882N		1.7	45°	TNRB 17 T0058768745N		1.7	45°
NR06 T0058750765N		6	45°	TNRB 60 T0058768746N		6	45°
DR Nozzles				Depositing Rack			
- For WXHotAir, WHA3000P/V - Hot air dual nozzle, round, without vacuum				- For NR, ND, NQ Nozzles - Up to 6 nozzles - Easy nozzle change, even when hot - The nozzle is fixed in the holder and can be easily separated from the iron by loosening the screw - Hot-air iron can be placed on another nozzle and secured – while minimizing the risk of burns			
DR05 T0058736883N		2 x 2.5					



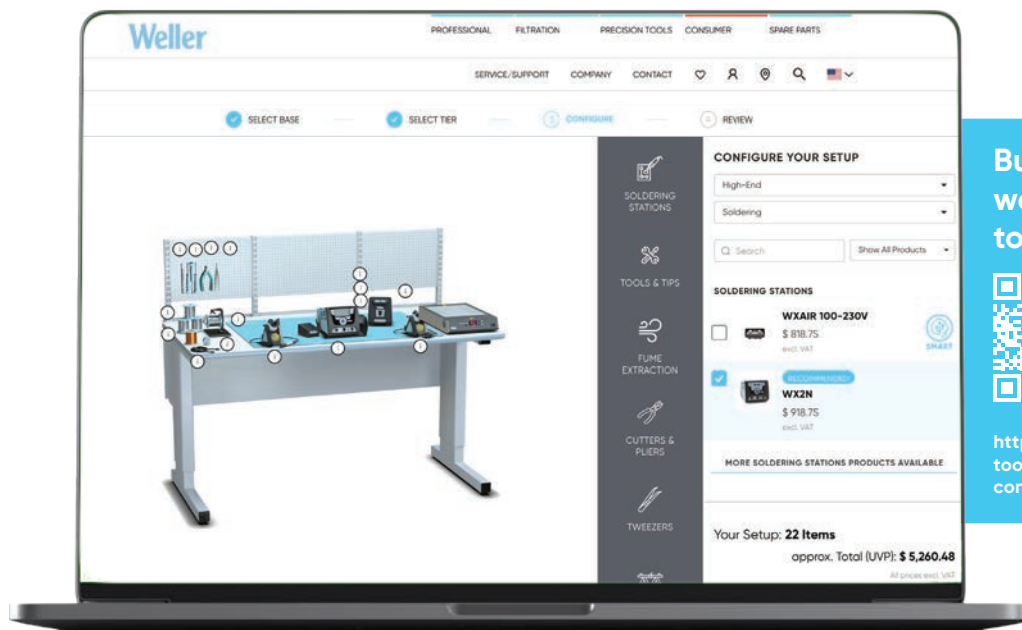
Learn more about
the new WXHotAir
Rework Station

WXHotAir Accessories Overview

Accessories				
WXHotAir Nozzle Adapter T0058774706		for TNR Nozzles	Heating Plate WHP3000, 1200 W T0053364699N	
Nozzle Change Tool T0051504999N		for NR, ND, NQ	PCB board holder WBHS T0053316599N	
			Vacuum Pick-Up WVP T0052918499N	
			WRK Reflow Set T0051515599N	
			ADAPTER CABLE USB A/M-RS232 TO RJ12 T0058774721	
			Thermocouple Type K T0058755782	 Ø 0.1 mm
			Thermocouple Type K T0053119099	 Ø 0.5 mm
			1 Step Foot Switch T0051312099N	
			WSR212 Safety Rest for WXHotAir T0051518699	

Build your ultimate workbench

Design a complete workbench tailored to your process—from soldering and inspection to filtration and ESD protection.



Build your
workbench
today



<https://www.weller-tools.com/eu/gb/configurator>

