

Weller®

The Original.



Weller®

Weller®

Soldering

TRENDSETTING SOLDERING SOLUTIONS





PROFESSIONAL

Your workbench deserves the best soldering technology

Professionalism makes no compromises: Soldering technology that is packed with precision, innovation and quality. For a decisive advantage when it comes to your productivity.

FILTRATION

Clean work is no coincidence

Volume extraction? Tip extraction? Extraction systems from Weller provide a systematic solution to any application. Nothing left by chance.

EREM

For jobs who need the utmost precision

Erem by Weller high-precision tools play a significant role wherever you need to pay attention to the smallest of details.

XCELITE

Precision tools that set standards

High-quality precision screwdrivers. Wrenches and pliers. Interchangeable knife sets, special tools and kits: Xcelite by Weller has everything that every servicing team requires.

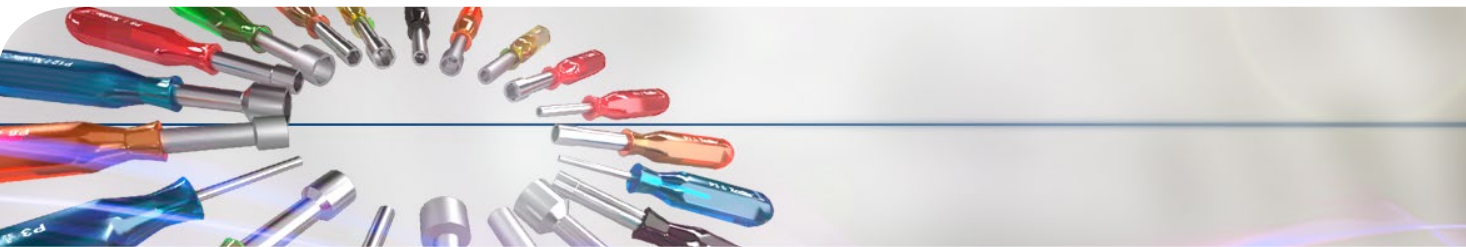
CONSUMER

Professional tools for hobbyists

When you are pursuing a hobby, you are reluctant to make compromises. With the comprehensive range of products, Weller is offering genuine Weller quality - at a genuinely fair price.

Discover the world of Weller

EVERYTHING FROM A SINGLE SOURCE FROM THE SPECIALISTS FOR YOUR WORKBENCH



Weller®

1-STOP-SOLUTION PROVIDER

By expanding its product portfolio, Weller Tools is setting new benchmarks while laying the foundation for complete expert workbench solutions from a single source. Components in areas including classic soldering applications, extraction and filter systems, tweezers and pliers, screw and robot solutions as well as BGA/QFP and repair applications ensure a coordinated and highly productive electric desktop and installation solution.

Extraction

The Zero-Smog® extraction unit ensures fresh air and preserves the health of users.

Solder wire

The WSW soldering tin with excellent, even revolutionary, melting properties at low temperatures.



OWNING THE BENCH

EVERYTHING FROM A SINGLE SOURCE FROM WELLER

FIRST CHOICE FOR CUSTOMERS

Weller continues to transform the results of successful collaboration with our customers and partners in Europe into innovation, expertise and passion for new soldering solutions.

Making the job easier

With Weller WX Line, only a single control unit is still required, which works as a benchtop controller. Traceability keeps your quality at the highest level.

Weller®
Erem™



Like Swiss clockwork

Erem tools feature craftsmanship of the best quality. Produced in Switzerland, Erem tools are the result of more than 50 years of consistent product development and expertise.

Potential equalization

The soldering stations from Weller all have a unique option for potential equalization.



TRUSTED technology

WX

State-of-the-art equipment to meet every soldering challenge

WT

High flexibility for versatile applications

WE

Robust unit for custom applications



+ GUARANTEED QUALITY

+ HIGH PRODUCTIVITY

+ MAXIMUM FLEXIBILITY

Weller supports you with:

- › Fast response and processing time
- › Automated tool detection, assignment of control parameters
- › Microprocessor-controlled PID regulation, accuracy and stability (IPC)
- › Extensive range of premium-quality products and accessories

Weller offers customized soldering solutions.




To help you better understand our wide product portfolio, we have segmented our products into 3 categories:

- › The WX Line, featuring our premiere professional soldering equipment
- › The WT Line, setting a new standard for soldering
- › The WE Line - and the always reliable and cost-saving



ESD-safe

Weller devices are ESD-safe and can be used in electrostatic protected areas.

	WX	WT	WE
			
Standby Time	✓	✓	✓
Auto-Off Time	Motion sensor	Keystroke	
Standby Temperature	✓	✓	
Temperature Window	✓	✓	
Preset Temperature	✓	✓	
Temperature °C / °F	✓	✓	✓
Lock Function	✓	✓	✓
Offset	✓	✓	✓
Factory Setting	✓	✓	✓
Motion Sensor in Iron	✓	WTP90 only	
Micro Tool Support	✓	WT2M only	
High Power Tool Support	✓	WT1H & WT2M only	
Intelligent Tools	✓		
Intelligent Power Management	✓		
Firmware Update	✓	Weller Service Centers only	
USB functionality	✓		
Output for Zero Smog / Heating Plate / Robot	✓	WHP80	
Fume Extraction Units	Zero Smog 4V, 6V WX Hub	Zero Smog TL WT Hub	Zero Smog EL (not connectable)
PC connectivity via RS232 & Software	✓		
Performance Mode	✓		
Language Setting	✓		
LCD Background Brightness	✓	✓	
Number of Connectable Tools	12	15	1
Traceability ready	✓		



WX Line

THE BEST FOR EACH APPLICATION



Our WX TEAM

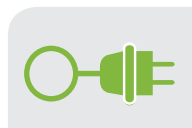
The five specialists from the Weller WX team will solve all your problems related to soldering, desoldering and the use of hot air in your manufacturing process.

The entire WX team offers full WX tool compatibility, tried-and-tested benchtop functions and all essential traceability features.



ESD-safe

All WX devices are ESD-safe and can be used in electrostatic protected areas



Huge energy savings Usage sensor

Thanks to an integrated sensor, WX tools are motion activated. This means that they consume power only when they are actually in use. Connected accessories also go into standby mode.



Soldering Stations

Soldering iron and safety rest

Soldering tips and nozzles

Preheating plates

Soldering baths

Circuit board holder

Solder feeder

Hot air heating gun

Temperature measuring

Accessories



Safe manual soldering

Weller WX stations make the manual soldering process safer, a crucial factor in the automotive, aerospace and medical technology industries. This is guaranteed by temperature and tool locking, and tool-specific temperature settings.



Use as benchtop controller

Integrated USB ports provide WX stations with a connection to and control over soldering fume extractors, pre-heat plates and programmable logic controllers (PLC). The connected tools feed back their parameters and status.



Intelligent tool detection

All connected tools and accessories are detected automatically by the stations and shown on the display.



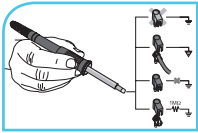
Multifunctional USB port

Firmware updates and registration are quick and easy using USB sticks.



Integrated parameter memory

Parameters such as standby temperatures and automatic switch-off time can easily be stored in the soldering iron. Parameters only need to be stored once; the soldering iron can then use them with any WX station.



Maximum safety, maximum flexibility

A unique potential equalization connection is provided free of charge. The jack sleeve has 4 possible settings: hard ground, potential equalization, floating and soft ground.

WXA2



Traceability

All WX stations are traceable and can be integrated into an existing traceability process.



Extremely short learning curve

Multi-language menu guide: German, English, French, Italian, Spanish, Portuguese and Mandarin. Other languages can be implemented on request.

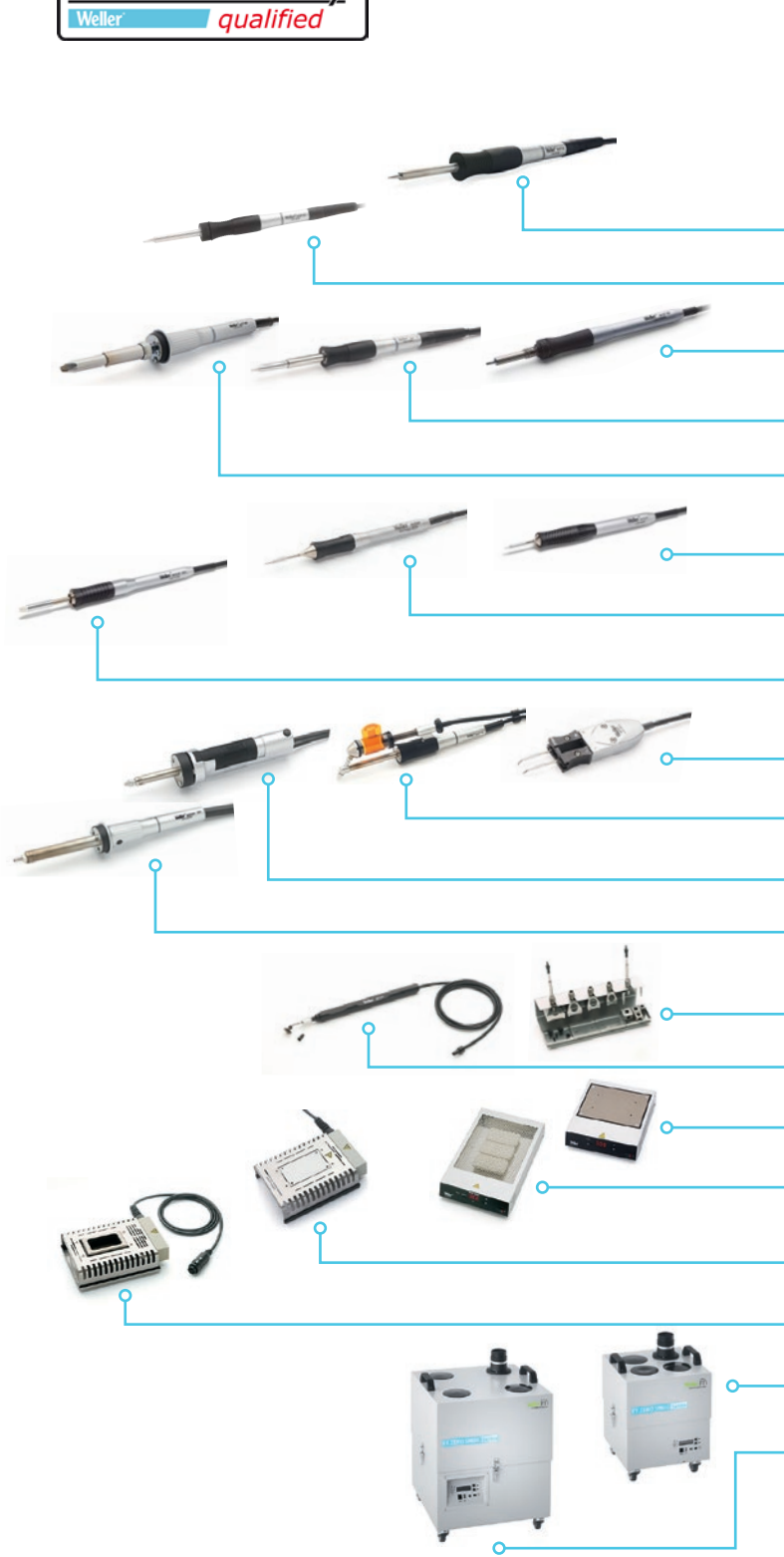


Robot output

A digital, optically decoupled robot connection comes as standard.



WX tool selection



Active Tip



Power Response



Silver Line



WXP65 | Soldering iron 65 W, 24 V with Power-Response Heating Technology



WXP80 | Soldering iron 80 W, 24 V with Silver-Line Heating Technology



WXP90 | Soldering iron 90 W, 24 V with Power Response Heating Technology



WXP120 | Soldering iron 120 W, 24 V with Power-Response Heating Technology



WXP200 | Soldering iron 200 W, 24 V with Power-Response Heating Technology



WXPPMS | Pico soldering iron 40 W, 12 V for Active-Tip Heating Technology



WXMPMS | Micro soldering iron 40 W, 12 V (hand piece without tips)



WXUPMS | Ultra soldering iron 150 W, 24 V for Active-Tip Heating Technology



WXMTMS | Micro desoldering hand piece, 2 x 40 W Micro desoldering tweezers



WXDP120 | Desoldering iron 120 W, 24 V

WXDV120 | Desoldering iron 120 W, 24 V

WXHAP200 | Hot air iron 200 W, 24 V with hot air nozzle R 06 round Ø 3,0 mm

WRK | Reflowset

WVP | Vacuum pick-Up

WHP1000 | Preheating plate 1000 W

WHP3000 | Infrared preheating plate 600 W with Easy Fix board holder

WXHP120 | Preheating plate 120 W

WXS200 | Soldering bath 200 W, 24 V

Zero Smog 4V
Fume extraction unit Zero Smog 4V

Zero Smog 6V
Fume extraction unit Zero Smog 6V

Overview WX Sets

WXR Rework stations



WXR3001 Set

WXR3 power unit with WXHAP200 hot air pencil (200w / 24v), WXDP120 desoldering iron (120w / 24v), WXP65 soldering iron (65w / 24v), WVP vacuum pick-up, PDN pliers, WDH30, WDH70, WDH10 safety rests



Order no.
WXR3001



WXR3002 Set

WXR3 power unit with WXHAP200 hot air pencil (200w / 24 v), WXDP120 desoldering iron (120w / 24 v), WXP120 soldering iron (120w / 24v), WVP vacuum pick-up, PDN pliers, WDH30, WDH70, WDH10 safety rests



Order no.
WXR3002



WXR3003 Set

WXR3 power unit with WXHAP200 hot air pencil (200w / 24v), WXDV120 desoldering iron (120w / 24v), WXP65 soldering iron (65w / 24v), WVP vacuum pick-up, PDN pliers, WDH30, WDH40, WDH10 safety rests



Order no.
WXR3003

WXD Desoldering stations



WXD2010

WXD2 power unit, WXDP120 high-power desoldering iron (120w / 24 v), WDH70 safety rest and PDN pliers desoldering triplet

Order no.
WXD2010



WXD2020

WXD2 power unit, WXDP 120 high-power desoldering iron (120w / 24v) and WDH70 safety rest, WXP120 soldering iron with WDH10 safety rest and PDN pliers desoldering triplet



Order no.
WXD2020

 **WXA Hot air station**



WXA2010 Set

WXA2 hot air unit, WXHAP200 (200w / 24v) hot air pencil and WDH30 safety rest


Order no.
WXA2010

 **WX Soldering stations**



WX1010

WX1 power unit with WXP120 soldering iron (120w / 24v) and WDH10 safety rest

 Power Response
Order no.
WX1010



WX1011

WX1 power unit with WXMP-MS soldering iron (55w / 12v) and WDH51 safety rest

 Active Tip
Order no.
WX1011



WX1012


WX1 power unit with WXP65 soldering iron (65w / 24v) and WDH10 safety rest

 Power Response
Order no.
WX1012



WX2020

WX2 power unit with 2 x WXP120 soldering irons (120w / 24v) and 2 WDH10 safety rests

 Power Response
Order no.
WX2020



WX2021

WX2 power unit with WXMP-MS micro soldering iron (55w / 12v) and WDH51 safety rests, WXMT-MS micro desoldering tweezers (2 x 40w / 12v) and WDH60 safety rest

 Active Tip
Order no.
WX2021



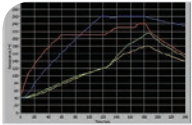
WT and WR series our Technology Line

THE CAN-DO SOLDERING STATIONS

Whenever it takes user-friendliness and ease of use, the soldering products of the Weller Technology line set new standards. Due to their great price/performance ratio, they are perfect tools for cost-efficient soldering applications.



 COMPLETE COMPATIBILITY



Cost-efficient

The short warm-up time for the soldering tools and a faster and simpler method for changing tools also enable lightning-fast work and ensure high time savings as a result.



Easy-to-use

The user-friendly and easy handling allows a quick, uncomplicated handling of the equipment.



Backwards Compatibility

All soldering irons of the WSD and WD soldering stations can be connected. (except micro soldering irons)

+ EASY TO USE

+ COST EFFICIENT

+ 1000S OF IRON AND TIP COMBINATIONS



Soldering Stations

Soldering iron
Safety rest

Soldering Tips
Nozzles

Preheating plate

Soldering bath

PCB board holder

Solder Feeder


Heat gun


Temperature Measuring


Accessorie





WT tool selection


Active Tip 


Power Response 


Silver Line 


WTP90 | 90 W SOLDERING IRON
The high-tech iron for universal use with power response tips. 


WP65 | 65 W SOLDERING IRON
For delicate and small applications. 


WP80 | 80 W SOLDERING IRON
Short tip-to-grip distance for all standard soldering applications. 


WSP80 | 80 W SOLDERING IRON
For all standard soldering applications. 


WP120 | 120 W SOLDERING IRON
For bigger solder joints. 


WSP150 | 150 W SOLDERING IRON
For soldering applications with high heat demand 


WMRP | 40 W MICRO-SOLDERING IRON
For very small components with high energy demand 


WMRT | 2x40 W MICRO-DESOLDERING TWEEZERS
Slim tweezers for excellent De-/soldering 


WTA50 | 2 x 25 W DESOLDERING TWEEZERS
For safe desoldering jobs. 


HAP1 | 100 W
SOLDERING & DESOLDERING IRON 


DSX80 | 80 W DESOLDERING IRON
For horizontal application. 

DXV80 | 80 W INLINE DESOLDERING IRON
For vertical application. 

WHP80 | 80 W HEATING PLATE
Preheating plate. 

WSB80 | 80 W SOLDER BATH
Connectable to all Weller 80 W digital station. 

WSB150 | 150 W SOLDER BATH
Connectable to all Weller 150 W stations. 

Zero Smog TL
Fume extraction unit Zero Smog TL 

* Device connectable to the soldering stations via WT Hub



WTHA1
900 W | 1 channel.
Hot air iron integrated



WT1
90 W
1 channel
soldering station



WT1H
150 W
1 channel
soldering station



WT2M
150 W
2 channel
soldering station



WR3M
360 W
3 channel
soldering station

	WT1	WT1H	WT2M	WR3M
✓	✓	✓	✓	✓
✓	✓	✓	✓	✓
✓	✓	✓	✓	✓
✓	✓	✓	✓	✓
		✓	✓	✓
		✓	✓	✓
			✓	✓
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				✓
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	✓	✓	✓	✓
	✓	✓	✓	✓
		✓	✓	✓
	✓	✓	✓	✓

Soldering Stations

Soldering iron and safety rest

Soldering tips and nozzles

Preheating plates

Soldering bathes

Circuit board holder

Solder feeder

Hot air heating gun

Temperature measuring

Accessories



WT 1 Soldering Station

1-Channel Power Unit, 90 W



WT 1H Soldering Station

1-Channel Power Unit, 150 W



WT 2M Soldering Station

2-Channel Power Unit, 150 W



WTHA 1 Hot Air Station

Hot Air Station, 900 W with integrated hot air iron



WT 1010 Set

1-Channel Power Unit, 90 W with WTP 90 hybrid soldering iron (90 W / 24 V), soldering tip XNT A and WSR 200 safety rest



WT 1012 Set

1-Channel Power Unit, 90 W with WSP 80 soldering iron, soldering tip LT B and WSR 201 safety rest



WT 1013 Set

WT 1 power unit with WP 80 soldering iron (80W / 24V), soldering tip LT B and WSR 201 safety rest



WT 1014 Set

1-Channel Power Unit, 90 W with WSP 80ROB soldering iron (80W / 24V), soldering tip LT B and WSR 201 safety rest



WT 1010H Set

1-Channel Power Unit, 150 W with WP 120 soldering iron (120 W / 24 V), soldering tip XT B and WSR 201 safety rest



WT 1011H Set

1-Channel Power Unit, 150 W with WP 200 soldering iron (200 W / 24 V), soldering tip XT B and WSR 202 safety rest



WT 2010M

2-Channel Power Unit, 150 W with WTP 90 hybrid iron and safety rest



WT 2020M

2-Channel Power Unit, 150 W with WMRP micro soldering iron and WMRT micro desoldering tweezers and safety rests



WE Weller Efficiency Line

Lötstation mit ergonomischem Kolben, Lötspitze und Sicherheitsablage

Soldering station with ergonomic iron, ET tips, and safety rest

Digitales LCD Display

- › Einfache Überwachung der Voreinstellungen

Menüführungstaste

- › Intuitive Navigation für:
- › Temperatur
- › Passwortschutz
- › Stand-by und automatischen Setback

Temperaturstabilität und -verriegelung

- › Hohe Qualität und wiederholbare Lötsergebnisse

Standby

- › Schützt Werkzeug und spart Energie

ZUVERLÄSSIG

RELIABLE

Sicherheitsablage

- › Hohe Stabilität und Sicherheit



Hitzebeständiges Silikon Kabel

- › EGB sicher für professionelle Anwendungen

BENUTZERFREUNDLICH

EASY TO USE

Frontseitiger Netzschalter

- › Bequeme on/off Regelung

LEISTUNGSSTARK

POWERFUL

70 W Versorgungseinheit

- › Hohe Leistung in funktionalem Design
- › Schnelle Aufheiz- und Erholzeit

70 W LötKolben

- › Hohe Leistung, einfache Regelung
- › Werkzeugloser Lötspitzenwechsel
- › Geringe Handermüdung, erhöhte Präzision

ET Spitzenfamilie

- › Große Auswahl an langlebige ET Lötspitzen

Ergonomischer Griff

- › Geringe Handermüdung, erhöhte Präzision

UND DABEI KOSTENEFFIZIENT

AND STILL COST EFFICIENT



Schützen Sie Ihre Gesundheit mit der Zero Smog EL Löt Rauchabsaugung

- › Absaugeinheit für bis zu 2 Arbeitsplätze.
- › Die Einheit wird neben dem Arbeitsplatz platziert
- › Ist nicht direkt mit der Lötstation verbunden.

Protect your health with the Zero Smog® EL fume extraction system

- › Fume extraction unit for one to two workplaces
- › Can be placed next to workplace (No direct connection between soldering station and fume extraction unit.)

NO COMPROMISE.

PRECISION. PERFORMANCE. POWER.

One WX Station. Every Active Tip.

Production within the electronics, medical technology and aerospace industries is moving faster as components become smaller, more complex and more powerful. The soldering industry is no different. In order to meet these increasing demands, we're expanding our existing RT series.

Weller Tools is committed to offering the widest range of high-performance active soldering tips. For all of your soldering applications, linked to one of our state-of-the-art WX soldering stations.

+ Active tip technology

Our soldering tips join features as in-built sensor and perfect heat transfer, for the fastest heat-up and recovery time. Reduce your downtime for a faster workflow and better results.

+ Patented tip and grip design

Fast and hassle-free tip changing without needing any tool.

+ One intelligent WX platform

Run any RT tip from one WX station, meeting all operational hand soldering needs such as motion sensing or traceability with digital data storage in the soldering tool and station.

+ Precise control, ergonomic grip

The boomerang handle design allows for precise handling while providing an ergonomic and secure grip.

+ MIL-SPEC / IPC standard

New active RT soldering tips are fully compliant with IPC industry standards. The MS versions are also MIL-SPEC compliant.

+ Low cost-in-use

The RT lines of tips provide maximum protection to the printed circuit board and the component you're soldering, to achieve the best results and to keep operating costs as low as possible.

+ Digital tool

Motion activated, for simplified data storage.



3 RT tip series for maximum precision, performance and power. All line specific benefits at a glance.

Find your perfect tip here:
www.weller-tools.com/nocompromise

RT Ultra

- + For heavy duty applications & largest components
- + Thermal Core Technology for optimized heat transfer through the joint – and maximum power

RT Micro

- + For versatile performance when soldering micro and standard components
- + Widest range of geometries & sizes

RT Pico

- + For smallest components 0402 down to 01005
- + Short tip-to-grip distance for maximum precision



The right tool for my APPLICATION

A little handy chart to help you figure that out. The applications are sorted by extra small to extra large solder pads, and by medium and high energy requirements.

Solder pad size

- XS Very small solder pads 0.2-1.25mm
- S Small solder pads 0.8-1.6mm
- M Medium solder pads, universal soldering, 1.0-3.0mm
- L Larger solder pads, high mass soldering
- XL Very large solder pads, high mass soldering (shielding)

Energy requirement

- ME Medium Energy requirement
- HE High Energy requirement



Recommended for this application



Okay, but not optimal for this application

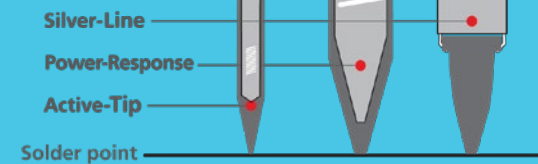


Not recommended for this application

3 heating technologies from Weller

Distance from sensor to solder point

● Sensor position



Active Tip



Power Response



Silver Line





WXPP/ MS

WXMP/ MS

WXUPMS

WMRP/ MS

WXMT/ MS

WMRT/ MS

WXP 90

WTP 90

WXP 65

WP 65

WXP 120

WP 120

WXP 200

WXP 80

WP 80

WSP 80

WSP 150

WP 200

	Tip family	Size of solder pad					Energy requirement	
		TIP	XS	S	M	L	XL	ME
ACTIVE TIP	RTP/MS	👍	👍	👍	👎	👎	👍	👍
	RTM/MS	👍	👍	👍	👎	👎	👍	👍
	RTUMS	👎	👍	👍	👍	👍	👍	👍
	RTM/MS	👍	👍	🟡	👎	👎	👍	👍
	RTW/MS	👍	👍	👍	🟡	👎	👍	👍
	RTW/MS	👍	👍	👍	🟡	👎	👍	👍
	RTW/MS	👍	👍	👍	🟡	👎	👍	👍
POWER RESPONSE	XNT	👍	👍	👍	🟡	👎	👍	🟡
	XNT	👍	👍	👍	🟡	👎	👍	🟡
	XNT	🟡	👍	👍	🟡	👎	👍	👎
	XNT	🟡	👍	👍	🟡	👎	👍	👎
	XT	👎	👍	👍	👍	🟡	👍	👍
	XT	👎	👍	👍	👍	🟡	👍	👍
	XHT	👎	👎	👎	👍	👍	👍	👍
SILVER LINE	LT	👍	👍	👍	🟡	👎	👍	🟡
	LT	👍	👍	👍	🟡	👎	👍	🟡
	LT	👍	👍	👍	🟡	👎	👍	🟡
	LHT	👎	👎	👎	👍	👍	👍	🟡
	XHT	👎	👎	👎	👍	👍	👍	👍

Advanced Automation by the soldering experts

HIGHEST PRECISION. SUPERIOR RELIABILITY.
INCREASED PRODUCTIVITY. ALL FROM ONE SOURCE.

More than half a century of experience in soldering and superiority in innovation, allows us to take our customers to the next step in achieving production excellence. The new WTBR1000 Benchtop Robot represents a one-of-a-kind synergy of precision, reliability, and productivity of soldering tasks.

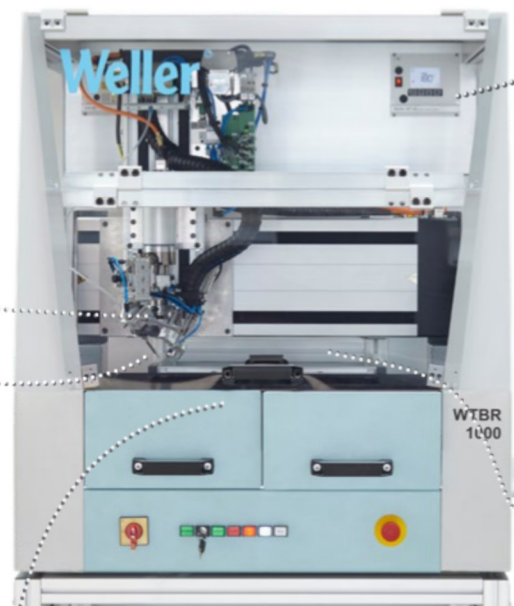
PRECISION



LED illuminated camera enables high-precision soldering with superior quality control



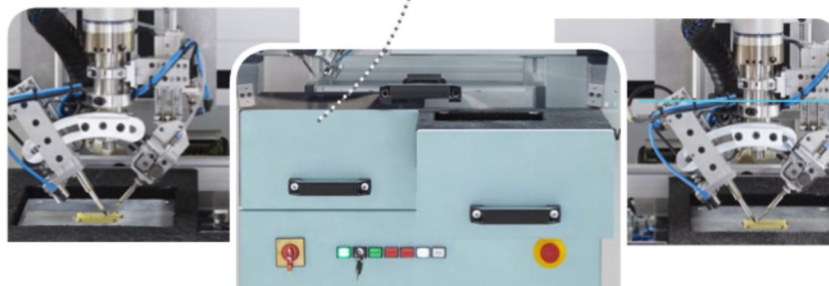
"On point" solder feeder next to the iron smoothly pulls the solder wire through the tube



Robust, sturdy construction protects the unit from disruptive movement or vibration



PRODUCTIVITY



Double drawer system for continuous production



WT1H soldering station: the brain behind the robot: 150 W, precise temperature control and stability.

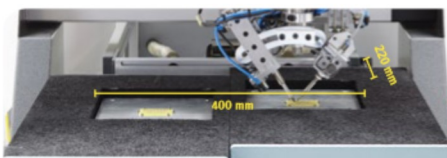
RELIABILITY



Easy to learn and use software



Safety cover fully encloses the integrated fume extraction system, protecting the user, workpiece, and equipment



Working area allows maximum flexibility (Drawer height 100 mm)



Fully-enclosed system offers triple protection

Being a fully-enclosed system, with integrated fume extraction, the WTBR1000 Benchtop Robot allows our customers to achieve the highest level of safety: protecting the operator, the workpiece (PCB) and the machine.



Double drawer system

A double drawer system allows continuous production thereby providing much higher process throughput, improving productivity and offering flexibility.



Easy to learn and use software

Enabling operators to start using the unit comfortably and quickly.



“On point” solder feeder

The solder feeder is designed to be in close proximity to the workpiece (PCB), pulling the wire rather than pushing it through the feeder tube.



WT1H soldering station

The WTBR1000 is equipped with Weller's high performance WT Line soldering tools, ensuring consistent quality of solder joints.



Integrated cleaning tool process

Metal brushes clean soldering tips



LED illuminated camera

Enables high-precision soldering with superior quality control.



Integrated fume extraction system

Safety cover fully encloses the integrated fume extraction system, protecting the user, workpiece, and equipment.

Filtration

FUME EXTRACTION SOLUTIONS

+ LOW NOISE

+ LOW ENERGY CONSUMPTION

+ LARGE FILTER SURFACE FOR LONGER FILTER LIFETIME



Volume extraction

More suitable for applications involving, for example hand soldering, solder baths, hot-air soldering, microsoldering as well as gluing and cleaning work. Weller offers various mobile systems that purify the air for up to 8 workstations.

- Large areas can be covered
- Low maintenance
- For 1 to up to 8 work places
- Extraction cabinets
- Remote control



Tip extraction

Weller FE (fume extraction) soldering irons have a smoke tube integrated into the handle. When soldering, the tube is positioned directly above the tip and collects any fumes produced. Fume extraction attachments can be retrofitted to non-fume extraction Weller soldering irons.

- Low investment per workstation
- Contaminants extraction right at the source
- Up to 20 soldering points with one system (max. 200 m apart)
- Ergonomic with easy access to workpiece
- Minimal air movement

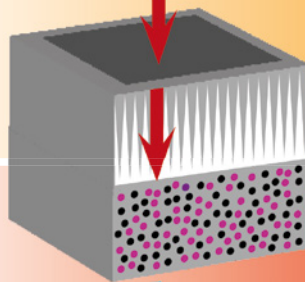
+ SEPARATE FILTERS
LESS WEAR

Up to four filters of different permeability separate out particles and gases that are hazardous to health.

Filter classification:	Recommended application
In accordance with EN 1822:2009	M5 For standard applications
	F7 For applications with high flux or dust content
In accordance with EN 1822:2009	E12 / H13 For applications with high flux or dust content
	Gas For applications with fumes from adhesives and solvents



Fine dust filter
M5 / F7



Particle filter
E12 / H13

Wide band
gas filter



Fibers, pollen 10 µm
Bacteria, pigments 5 µm

Smog
Asbestos dust > 1 µm
Viruses > 0.5 µm

Gas

FINE DUST ACCUMULATION IN THE HUMAN BODY

The smaller particles are, the deeper they penetrate into the respiratory system

- The deeper particles penetrate, the higher the health risks
- The smallest particles can travel via alveoli into the bloodstream

End product – clean air – is re-circulated into the workplace.

+ SAVES ENERGY AND
REDUCES ENERGY COSTS



BEFORE
New filter

AFTER
90 minutes
soldering with
leadfree solder wire

How do I get the best protection?



- Weller filter systems offer the best possible protection to the operator by extracting dangerous fumes and capturing airborne particles at highest levels.
- The filter systems are mobile, and can be moved around the workplace.
- The systems are easy to install and have low service requirements.
- The noise levels of the filter systems are very low, additionally protecting the operator from excessive noise pollution in manufacturing areas.
- The product range consists of various products that can be used for different applications.
- The filters have a long life time.

Multiple Workplaces

up to 8 workplaces (Zero Smog 6V) can be connected to the filtration system

Constant Filtration (ZS 4V & 6V)

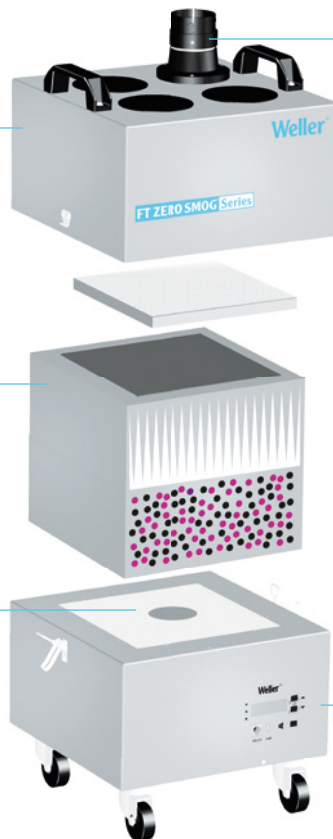
Automatic constant flow control (CFO)

Connected Filtration (ZS 4V, ZS 6V, ZS TL)

Filtration unit connected to soldering station for control

Easy Filtration

Easy Click accessories for fast set-up and perfect integration into the workspace



Efficient Filtration (ZS 4V & 6V)

Acoustic and visual filter change alarm to guarantee that filters are efficient, Ampel System

Zero Smog Series

Zero Smog EL



Zero Smog TL



Zero Smog 4V



Zero Smog 6V





Volume fume extraction

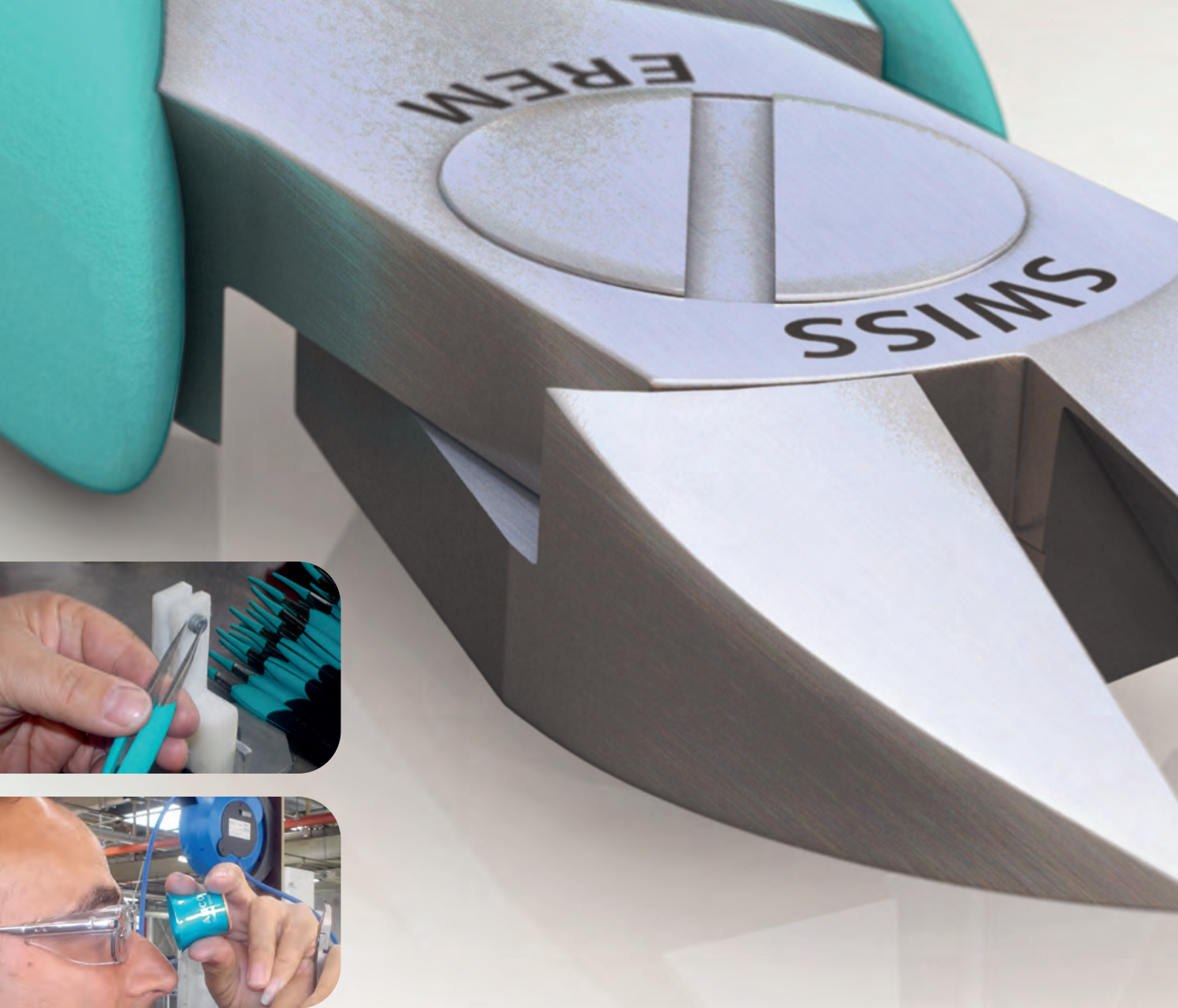
Weller systems are specifically designed for continuous operation in industrial environments. Care and attention at the design stage plus careful component choice and a high quality manufacturing process have given Weller extraction systems a world wide reputation for reliability and longevity.



SELECTION GUIDE

based on particle- and gas filter capacity

Application	Standard systems			Systems with high gas filter volume		Central systems with automatic flow control	
	Zero Smog EL	Zero Smog TL	MG 130	MG 100S	MG 140	Zero Smog 4V	Zero Smog 6V
Hand soldering	✓✓	✓✓	✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓
Heavy duty fume applications (solder bath, selective wave)	✓	✓	✓	✓	✓✓	✓✓	✓✓✓
Soldering, gluing, cleaning, filling	✓	✓	✓✓	✓✓✓	✓✓✓	✓✓	✓✓✓
Gluing, Cleaning, Filling	✓	✓	✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓
Finedust	✓✓	✓✓	✓✓	✓	✓✓✓	✓✓	✓✓✓
MEK (Methyl Ethyl Ketone)			✓	✓✓✓	✓✓✓	✓	✓
VOC (Volatile Organic Compounds)			✓	✓✓✓	✓✓✓	✓	✓✓✓
Cleanroom					✓✓✓		



Highest of Quality

The quality and performance of Erem® precision tools are the result of over 50 years of development and know-how.

Made in Switzerland

Produced in Bevaix at Lake Neuchâtel, Erem® tools meet the demanding requirements that define Swiss quality.

Hand-crafted

Each tool is ground individually by hand and checked for quality compliance.



Just like a Swiss watch

Highest-quality tools and craftsmanship

Erem® is a leader in the development and production of high-precision, top-quality hand tools (side and tip cutters, pliers and tweezers).

Founded in Geneva, Switzerland in 1963, Erem® precision tools are the result of ongoing product development and innovation to meet customer demands and the requirements of modern manufacturing techniques.

Under the umbrella of the Apex Tool Group LLC with approximately 7,600 employees in more than 30 countries, Erem® has access to the know-how, product capacity and logistics of a globally active concern – with the advantage of just-in-time deliveries around the globe.

Erem® offers top-grade products for a wide variety of industrial sectors

- **Electronics**
- **Aeronautical engineering**
- **Biology**
- **Medicine (microsurgery, surgical accessories, dental technology, etc.)**
- **Watchmaking and jewellery**
- **Telecommunications**





Side cutters and tip cutters

FOR ALMOST EVERY APPLICATION

Built-in Erem Magic Spring

The Magic Spring system used in Erem precision tools is unique. It is integral to the cutting head and provides a constant closing and re-opening force. It is highly reliable, makes the tools easy to use and reduces operator fatigue.

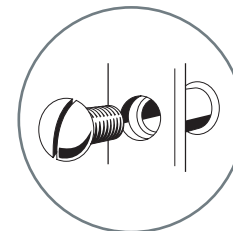
- Reduce costs thanks to long life
- Constant spring force
- Guarantees more than 1 million operations



High-precision screw joint

This self locking screw joint system gives a smooth cutting head and opening action and ensures that there is no blade overlap or play.

- Smooth jaw action with no play
- Smooth cutting operation with no jaw overlapping



Induction-hardened cutting edges

The cutting blades of Erem cutters are hardened to Rockwell 63-65 HRc by an induction-heating process.

- High durability thanks for special material selection

Special tool steel

Erem electronics tools are made from bright steel.

The special tool steel is made using a unique Swiss processing technique.

- The bright tool steel gives additional strength and toughness to the tools to promote a long service life.



ESD-safe

The interchangeable foam-cushion handles are ESD-safe and are fitted as standard on all Erem cutters and pliers.



SAFE, RELIABLE AND FAST OPERATION BY PRECISE CUTS

Ergonomically shaped handles

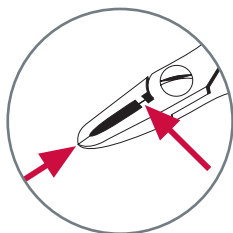
- For high comfort, better grip and added safety.

Erem - Maximum Opening Stop

- Limits the cutting-edge tips from opening more than 5 mm/197 Inch. The limited extent to which the handles can open prevents user hand fatigue.

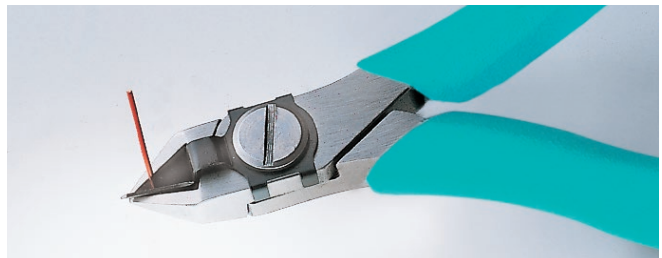


COMFORTABLE AND FATIGUE-FREE WORKING.



Erem cutting-edge protection for tip cutters

All tip cutters are fitted with a special stop system which prevents the cutting edges from overlapping.



Safety device for holding wire scraps

This safety device for side cutters holds wire scraps securely after cutting. Available on most 500, 600 and 2400 series cutters (oval head). Order suffix "W" e.g. 595EW.

Pliers

GET AN ACCURATE AND SURE GRIP ON EVERYTHING

Internal patented Erem Magic Spring

The Magic Spring system used in Erem precision tools is unique. It is integral to the cutting head and provides a constant closing and re-opening force. It is highly reliable, makes the tools easy to use and reduces operator fatigue.

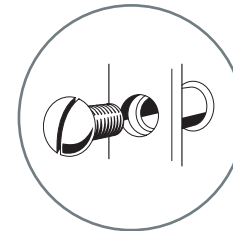
- Reduce costs thanks to long life
- Constant spring force
- Guarantees more than 1 million operations



High-precision screw joint

This self-locking screw joint system gives a smooth cutting and opening action and ensures that there is no blade overlap or play.

- Smooth jaw action with no play
- No damaging of sensitive components



Precision-ground jaws

The very precisely worked tips get a firm and sure grip on even the thinnest of parts.

The choice of high-quality materials and meticulous tempering are especially important during the manufacturing of these tweezers.

- Ground with the greatest precision

Special tool steel

Erem electronics tools are made from bright steel. They are not drop forged. The special tool steel is made using a unique Swiss processing technique.

- The bright tool steel gives additional strength and toughness to the tools to promote a long service life.





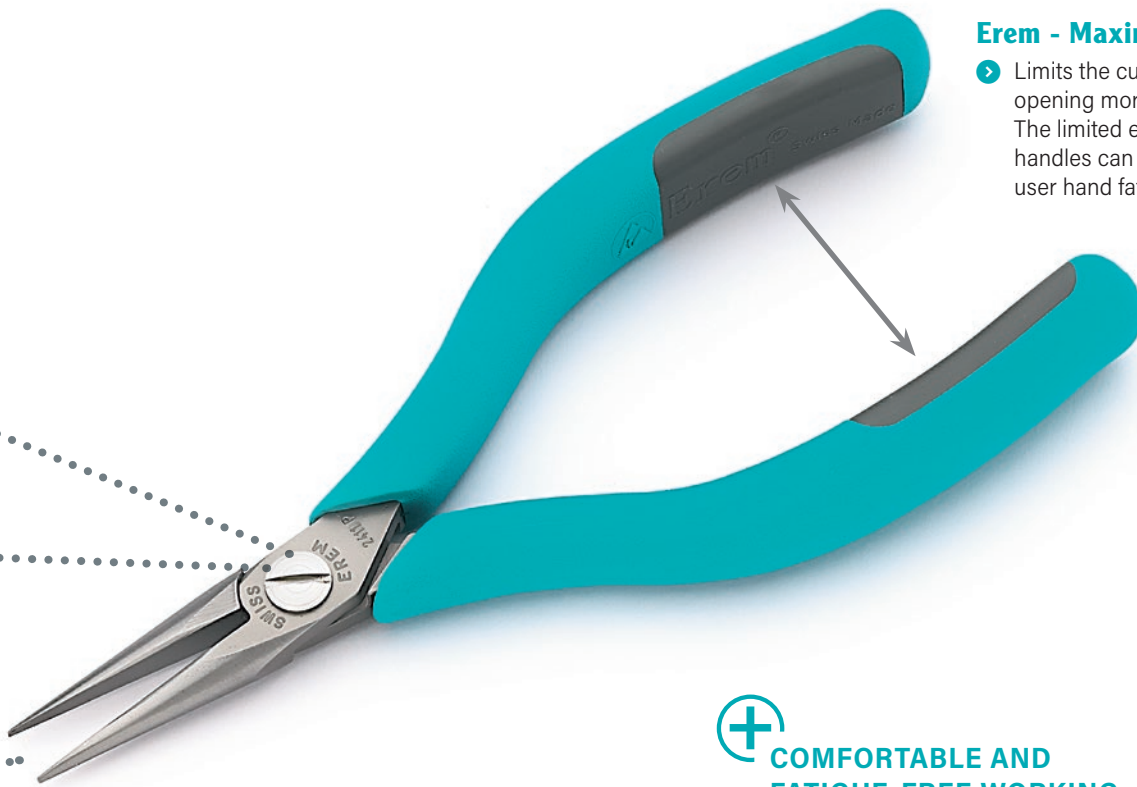
+ WIDE VARIETY OF HEAD SHAPES

Ergonomically shaped handles

- For high comfort, better grip and added safety

Erem - Maximum Opening Stop

- Limits the cutting-edge tips from opening more than 5 mm/.197 Inch. The limited extent to which the handles can open prevents user hand fatigue.



+ COMFORTABLE AND FATIGUE-FREE WORKING.



ESD-safe

The interchangeable foam-cushion handles are ESD-safe and are fitted as standard on all Erem cutters and pliers.

Tweezers

EREM MANUFACTURES A WIDE RANGE OF TWEEZERS.



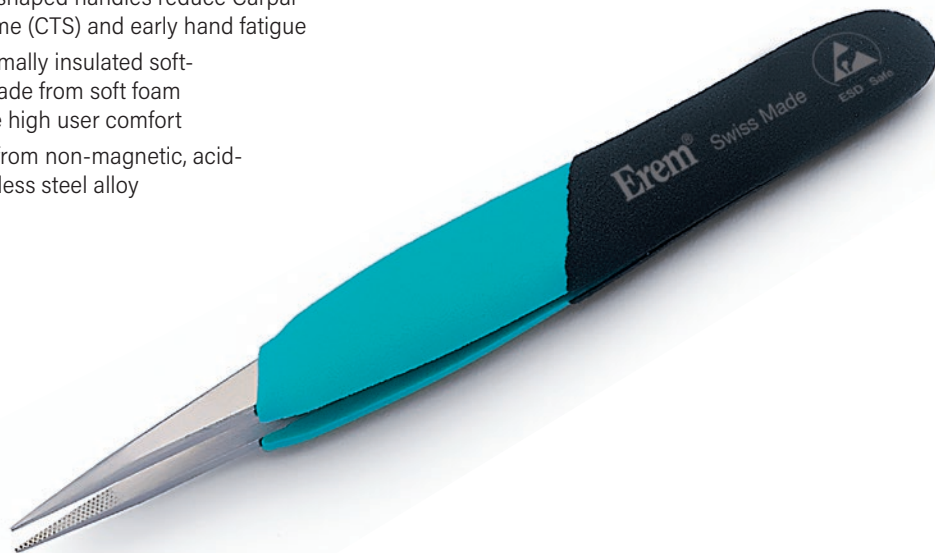
ERGONOMICALLY SHAPED HANDLES

- Ergonomically shaped handles reduce Carpal Tunnel Syndrome (CTS) and early hand fatigue
- Two-color, thermally insulated soft-grip handles made from soft foam material ensure high user comfort
- Manufactured from non-magnetic, acid-proof and stainless steel alloy



ESD-safe

All tweezers with soft-grip are ESD-safe.



Pyroplast coating

The Pyroplast coating is not available on all Erem tweezers. It is made to order and requires a minimum order quantity.



Hardened steel

Tweezers made from hardened steel are typified by their particularly hard tips, which ensure great durability. The tweezers are magnetic and the material may rust.

Stainless steel

Tweezers made from stainless steel have robust tips and do not rust. The material is less hard than hardened steel.

Titanium

Titanium tweezers are light weight and resistant to high temperatures.

Erem Special stainless steel

This alloy is non-magnetic. The tweezers do not rust and are acid-proof and heat-resistant up to 300°C (512°F).

+ POINTED TIPS
for precision work



+ LARGE SELECTION
of matching SMD tweezers
and cutting tweezers for
individual applications

GERMANY

Weller Tools GmbH
Carl-Benz-Straße 2
74354 Besigheim

Tel: +49 (0)7143 580-0
Fax: +49 (0)7143 580-108

USA

Apex Tool Group, LLC
1000 Lufkin Road
Apex, NC 27539

Tel: +1 (866) 498-0484
Fax: +1 (919) 387-2639

CHINA

Apex Tool Group
2nd Floor, Area C, 177 Bi Bo Road
Pudong New Area
Shanghai, 201203 P.R.C

Tel: +86 (21) 60880320

Weller®

