Multifunctionality and intelligence are two of the many highlights of our top-of-the-range ERSA MICRO-CON 60 iA soldering station. This microprocessor-controlled and fully antistatic soldering station combines leading-edge technology and yet has minimal space requirements.

The ERSA-SENSOTRONIC microprocessor-control with Fuzzy-Logic “intelligence” provides amazing tip heat-up times (8-12 sec.) and repeatable solder joint quality even at production temperatures (235-250°C/455-482°F).

The ERSA MICRO-CON 60 iA has automatic identification of four connectable soldering and desoldering tools, and adjusts the power regulation accordingly:

- **Tech tool** (included) for reproducible solder joint quality at production temperatures: (235-250°C/455-482°F)
- **Micro tool**, ultra-light 24g (1oz) for miniature and fine-pitch soldering
- **Power tool**, 290 W heat up power, for extreme high-mass and multi-layer applications
- **Pincelle 40** conductive tweezer for rapid and safe removal of all SMDs
- **ERSA X-Tool** desoldering iron perfectly suited for desoldering Thru-Hole components (detailed description of XTOOLKIT1 see p. 18).

The extensive soldering iron tip range includes, among others, the super fine 0.2 mm (0.008”) pencil tip, the 17 mm (0.669”) thermal power tip, and the ERSA Micro Well, ERSA Tech Well and ERSA Power Well tips for rapid installations of ultra Fine-pitch (TAB) components at production temperatures.

Our continuously expanding range of SMD desoldering tips are long-life, low cost, have rapid heat up times and can remove everything from MINI-MELF’s to large size PLCC’s and PQFP’s.

The revolutionary ERSA Auto RTC (Automatic Room Temperature Compensation) continuously monitors and compensates for ambient temperature changes, ensuring maximum tip temperature accuracy regardless of the working environment.

Exceeds ISO 9000: exact temperature control at the solder joint
Several user-friendly menu levels such as:

- 8 presettable temperatures for rapid application changes
- "Volume Function" to adjust heat requirements according to the actual soldering job
- 4-digit password lockout
- 0 - 60 min stand-by

are only a few of this remarkable soldering station’s highlights. These features ensure flexibility and process safety.

Last but not least, the multifunctional holder for both left and right handed users, not only acts as a hot tip holder, but is also fully equipped to accept tools with flame extraction systems.

Optional ERSA MICRO-CON Process Control Software

The ERSA MICRO-CON 60 IA is the only intelligent and communicating soldering station on the market with microprocessor control and "Fuzzy-Logic intelligence". Due to real-time process command-and-control for up to 32 stations, the soldering results can be recorded in their entirety. The MICRO-CON 60 IA also incorporates a PC-interface.

With the user-friendly software, the soldering station cannot only be programmed and controlled, but also process visualization and real-time documentation is made possible to ensure optimal soldering quality.

Technical data:
MIC 60 IA electronic station
Supply voltage: 230 V~, 50-60 Hz
Secondary Voltage: 24 V~
Rating: 80 W
Control technique: SENSOTRONIC with Fuzzy-Logic
Temperature range: -50°C (120°F) - 450°C (840°F)
Function display: 7-digit LCD display with menu control
Interface: RS 232 serial with current loop
Tool holder: heat resistant, antistatic

Tech tool soldering iron
Voltage: 24 V~
Rating: 70 W / 280°C (540°F) - 60 W / 350°C (660°F)
Heat up rating: 130 W
Heating time: approx. 12 s (to 280°C/540°F)
Weight (without cable): approx. 50 g (2 oz)
Cable: 1.5 m (4.9 ft) highly flexible; heat resistant, antistatic
Model: antistatic according to MIL-SPEC/ESA standards

Order nos.:
MIC 60 IA
MICRO-CON 60 IA electronic station complete with interface

Optional soldering and desoldering tools
SMD-soldering iron with 612 AD soldering tip holder

Order nos.:
SMD-iron with the Micro tool
SMD-desoldering tweezers
SMD-desoldering tips
SMD-soldering iron
SMD-soldering tweezers
Power tool soldering iron

Optional soldering and desoldering tools
Power tool soldering iron with 612 AD soldering tip holder

Order nos.:
Power tool soldering iron

Connection cable 3m / 9.8ft, to connect further Micro-Con station

Process visualization with the PC software

Hardware and software requirements
IBM-compatible computer; processor 80486 or better, with 8 MB RAM; >500 MB hard disk recommended. VGA graphics format 640 x 480. Running Windows 3.11 or better.
2 serial RS 232 interfaces are required.
1 x for connecting the mouse.
1 x for connecting the ERSA CIA 32 communication interface.
VGA monitor, MS-compatible mouse.

TERMINAL with the ERSA CIA 32

Process visualization with the PC software

Hardware and software requirements
IBM-compatible computer; processor 80486 or better, with 8 MB RAM; >500 MB hard disk recommended. VGA graphics format 640 x 480. Running Windows 3.11 or better.
2 serial RS 232 interfaces are required.
1 x for connecting the mouse.
1 x for connecting the ERSA CIA 32 communication interface.
VGA monitor, MS-compatible mouse.

Technical data:
MIC 608 A electronic station
Supply voltage: 230 V~, 50-60 Hz
Secondary Voltage: 24 V~
Rating: 80 W
Control technique: SENSOTRONIC with Fuzzy-Logic
Temperature range: -50°C (120°F) - 450°C (840°F)
Function display: 7-digit LCD display with menu control
Interface: RS 232 serial with current loop
Tool holder: heat resistant, antistatic

Tech tool soldering iron
Voltage: 24 V~
Rating: 70 W / 280°C (540°F) - 60 W / 350°C (660°F)
Heat up rating: 130 W
Heating time: approx. 12 s (to 280°C/540°F)
Weight (without cable): approx. 50 g (2 oz)
Cable: 1.5 m (4.9 ft) highly flexible; heat resistant, antistatic
Model: antistatic according to MIL-SPEC/ESA standards

Order nos.:
MIC 608 A
ERSA Tool Selector

3 different soldering and desoldering tools can alternatively be selected and operated with a simple click:

• ERSA Tech tool soldering iron for maximum precision (see page 15 )
• Power soldering iron ERSA Power tool (see page 18)
• SMD-soldering iron ERSA Micro tool (see page 15)
• SMD-desoldering tweezers ERSA Pincette 40 (see page 18)
• Desoldering tool ERSA X-Tool (see page 18)

Or

ERSA Tool Selector

4 different soldering and desoldering tools can alternatively be selected and operated with a simple click:

• ERSA Tech tool soldering iron for maximum precision (see page 15 )
• Power soldering iron ERSA Power tool (see page 18)
• SMD-soldering iron ERSA Micro tool (see page 15)
• SMD-desoldering tweezers ERSA Pincette 40 (see page 18)
• Desoldering tool ERSA X-Tool (see page 18)