












The USS-1908MkII is the most powerful Ultrasonic-Soldering Controller. The control electronics is designed to handle 15W as well as 30W (US-output) soldering heads. In addition, the USS-1908 system provides an interface for the connection to a data processor, giving the possibility not only to store / log soldering parameters on the computer but also to handle the Soldering Controller directly from the computer resp. PLC. The Mark II models include an air-flow control system with valve and a flow-meter to control airflow while soldering process with air flooded soldering tools.


As the combination of system / set-up is diverse, this system can be put together as a modular system. To get a complete system, you need one controller unit (1908MkII-100 or 1908MkII-200), plus at least one soldering iron (hand tool or robot head) and a corresponding tool stand (for hand tools).

| Order # | Description | |
|---------------|---|---|
| 1908 MkII-100 | <p>19" Rack-Plug-In Module (3U/42HP)</p> <p>prepared for operating 15/30W robot soldering heads. Power supply 100V – 240 V AC / 50-60 Hz.</p> <p>Including air-flow control system with - pressure reducer from shop air to 2 bar - electrical air valve to switch the air on and off - adjustable air-flow meter 1 - 5 ltr/min.</p> <p>incl. foot switch, operation manual, connection cable 1.5 m standard to iron-tool (soldering hand-tool or robot head), sample set of all available Cerasolzer active solder alloy. Without robot soldering head and/or soldering hand-tool (controller unit only).</p> |  |
| 1908 MkII-200 | <p>19" Rack-Plug-In Module in a Desk Body</p> <p>prepared for operating 15/30W soldering hand tools and prepared for operating 15/30W robot soldering heads. Power supply 100V – 240 V AC / 50-60 Hz.</p> <p>Including air-flow control system with - pressure reducer from shop air to 2 bar - electrical air valve to switch the air on and off - adjustable air-flow meter 1 - 5 ltr/min.</p> <p>incl. foot switch, operation manual, connection cable 1.5 m standard to iron-tool (soldering hand-tool or robot head), sample set of all available Cerasolzer active solder alloy. Without robot soldering head and/or soldering hand-tool (controller unit only).</p> |  |

| Order # | Description | |
|------------------------------|---|---|
| Soldering Hand Tools | | |
| 9200-101 | 15W standard hand tool , plastic moulding incl. soldering tip at your choice 1mm - 5mm. without connecting cable |  |
| 9200-106 | 15W soldering hand-tool with compressed air fitting for cooling of vibration unit, incl. soldering tip at your choice 1mm - 5mm. Diameter of tube air hose 4mm. Without connecting cable. |  |
| 9200-107 | 15 W soldering hand-tool with compressed air fitting for cooling of vibration unit <u>and</u> enhanced heating of tip, incl. airtight heater holder for hot blow function, and soldering tip at your choice 1mm - 5mm. Diameter of tube air hose 4mm. Without connecting cable. |  |
| 9500-101 | 30W standard soldering hand-tool (plastics moulding), including soldering tip at your choice 6 - 12 mm. (Special tip sizes rectangular possible up to 6x30mm width). Without connecting cable. |  |
| 9500-106 | 30 W soldering hand-tool with compressed air fitting for cooling the vibration unit (plastic housing), including soldering tip at your choice 6 - 12 mm. (special tip sizes rectangular possible up to 30mm width). Diameter of tube air hose 4mm. Without connecting cable. |  |
| Soldering Robot Heads | | |
| 9200-127 | 15W robot soldering head , aluminum housing with compressed air fitting for cooling the vibration unit and enhanced heating of soldering tip by hot blow function, incl. soldering tip at your choice 1mm - 5 mm. Diameter of tube air hose 4mm Diameter of main body \varnothing 27mm Diameter mount area \varnothing 22mm. Without connecting cable. |  |
| 9500-121 | 30W robot soldering head with fan for cooling the vibration unit, aluminum housing. Including soldering tip at your choice \varnothing 6 - 12mm. (special tip sizes rectangular possible up to 6x30mm width). Diameter of main body \varnothing 50mm Diameter of mount area \varnothing 35mm Without connecting cable |  |

| Order # | Description | |
|--------------------------------------|--|---|
| 9500-127 | <p>30W robot soldering head SLIM version with compressed air fitting for cooling the vibration unit. including soldering tip at your choice \varnothing 6 - 12mm. (Special tip sizes rectangular possible up to 6x30mm width).</p> <p>Diameter of tube air hose 4mm. Diameter of main body \varnothing 30mm. Diameter of mount area \varnothing 22mm. Without connecting cable.</p> |  |
| Soldering Tips | | |
| 9200-2010 | Soldering tip \varnothing 1mm | for 15W operated hand tool / soldering head |
| 9200-2020 | Soldering tip \varnothing 2mm | for 15W operated hand tool / soldering head |
| 9200-2030 | Soldering tip \varnothing 3mm | for 15W operated hand tool / soldering head |
| 9200-2040 | Soldering tip \varnothing 4mm | for 15W operated hand tool / soldering head |
| 9200-2050 | Soldering tip \varnothing 5mm | for 15W operated hand tool / soldering head |
| 9200-2xxS | Special soldering tip / customised shape, incl. ceramic heater | for 15W operated hand tool / soldering head |
| 9500-206 | Soldering tip \varnothing 6mm incl. ceramic heater | for 30W operated hand tool / soldering head |
| 9500-208 | Soldering tip \varnothing 8mm incl. ceramic heater | for 30W operated hand tool / soldering head |
| 9500-210 | Soldering tip \varnothing 10mm incl. ceramic heater | for 30W operated hand tool / soldering head |
| 9500-212 | Soldering tip \varnothing 12mm incl. ceramic heater | for 30W operated hand tool / soldering head |
| 9500-2xxS | Special soldering tip / customised shape, incl. ceramic heater | for 30W operated hand tool / soldering head |
| Accessories & Spare Parts | | |
| 9200-3010 | Ceramic heater 24V/100W (red isolating tubes) | For 15 W operated hand tool / soldering head |
| 1900-302 | Heater holder | |
| 1900-303 | Screw for heater holder | |
| 1900-310 | Hand tool cable 1.5m | |
| 1900-311 | Hand tool cable 1.5m with silicon heat protection | |
| 1900-320 | Foot-switch with 2m cable and connector | |
| 9200-330 | Separate tool stand for 15W operated hand tool |  |
| 9500-335 | Security tool stand - 30W operated hand tools and - 15W hand tools with hot gas function |  |
| 9200-331 | Sponge for tool stand 9200-330 | |

USS-1908 MkII - Ultrasonic Soldering System

| Order # | Description | |
|----------|--|--|
| 1900-412 | <p>Mechanical support with spring loaded Z-guidance</p> <p>Suitable for small and big robot soldering heads for mounting into an automatic Z-axis. Without guide hose for solder alloy (Price without soldering head)</p> <p>Suitable for following soldering heads: - 9200-127 (15W) - 9500-126 (30W)</p> <p>Right picture: support 1900-412 with 15W robot soldering head 9200-127</p> |  |