



# ZETA 100

Control program 10005406 V2 (2.01)

Date	Control program 10005406
03-03-2014	<p><b>2.01</b></p> <ul style="list-style-type: none"> <li>It is possible to install 2 different PLD circuits. One for standard torch length (10043604) and another PLD for 15m torch (10043614). Remember to install also the valve kit 69111606 when using 15m torch.</li> </ul>
01-02-2011	<p><b>2.00</b></p> <p><b>Upgrade procedure.</b></p> <ol style="list-style-type: none"> <li>1. Insert the SD card in Zeta 100 control PCB.</li> <li>2. Switch on the machine and wait 5 seconds. (Now the bootloader is being loaded into the machine)</li> <li>3. Switch off the machine, but let the SD card stay in the machine.</li> <li>4. Switch on the machine again and wait 10 seconds. (Now the software is loaded into the machine)</li> <li>5. Remove the SD card.</li> </ol> <p>Zeta 100 is now fully upgraded to version 2.00.</p> <ul style="list-style-type: none"> <li>New Bootloader</li> <li>Introduction of a soft ramp-up when transferring the arc from PILOT to workpiece = longer life for nozzle</li> <li>Support the External Reference 0-10V Auto detect: when the input voltage is greater than 2V the machines follows the Ext Ref = Analog remote control</li> <li>Auto-reset after 6sec of mains alarms - over/under-voltage</li> <li>Soft start for fan: 1% every 10ms to prevent stress on the fan</li> <li>Check pilot arc IGBT integrity after arc transferred to workpiece - no current must flow on the Pilot Arc</li> <li>Improved current check before opening pilot transistor - Transistor will be open ONLY when Current is LOW to avoid overvoltage</li> <li>Now able to show E00-01/E04-12 on bad configurations</li> <li>Possibility to clear LOGs from service menu and possibility to download the complete collection of LOGs on SD card</li> </ul>
07-07-2010	<p><b>1.01</b></p> <ul style="list-style-type: none"> <li>Cutting current can be adjusted during cutting.</li> <li>Support for remote control via 8 pol plug.</li> <li>Soft start on the fan.</li> </ul>
01-01-2010	<p><b>1.00</b></p> <ul style="list-style-type: none"> <li>First release</li> </ul>