

	GDC	GAC	GMF Genius	
<b>P</b>				
<b>r</b>				
<b>o</b>				
<b>g</b>				
<b>r</b>				
<b>a</b>				
<b>m</b>				
<b>s</b>				
	<b>Type of Power source</b>	Capacitor Discharge DC current	AC current	Medium Frequency DC current
	<b>Number of programs</b>	30	30	Unlimited
	<b>Time setting</b>	Three fixed discharge times (Short, Medium, Long)	by step of 20 ms (for 50hz) or 16,66 ms for (for 60hz)	by step of 1 ms
	<b>Current setting</b>	in Joules (Precision 1 J)	in % of the current capacity of the power source (precision : 1%)	in % of the current capacity of the power source (precision 0,1%) or in amps (precision 1A)
	<b>Force setting for proportional valve driven head</b>	Yes	Yes	Yes
	<b>Force setting for electromagnetic driven head</b>	Yes	Yes	Yes
<b>C</b>				
<b>o</b>				
<b>n</b>				
<b>n</b>				
<b>e</b>				
<b>c</b>				
<b>t</b>				
<b>i</b>				
<b>v</b>				
<b>i</b>				
<b>t</b>				
<b>y</b>				
	<b>Start signal</b>	1 welding head or handtool	1 welding head or handtool	2 separate welding heads or handtools
	<b>Solenoid valve actuation</b>	1 welding head or handtool	1 welding head or handtool	2 separate welding heads or handtools
	<b>Proportional valve actuation</b>	1 welding head or handtool (with CCVP option)	1 welding head or handtool	2 separate welding heads or handtools
	<b>Current control</b>	Yes (in Amps)	Yes (in %)	Yes (in Amps or in %) for two separate welding heads or handtools
	<b>Voltage control</b>	No	No	Yes (in Volts) for two separate welding heads or handtools
	<b>Displacement control</b>	No	No	Yes (in Microns) for two separate welding heads or handtools
	<b>Force control</b>	No	No	Yes (in Newtons) for two separate welding heads or handtools
	<b>USB for software updates, upload and traceability</b>	No	No	Yes
	<b>RJ45 for software updates, upload and traceability</b>	No	No	Yes
	<b>I/O for PLC</b>	Yes	Yes	Yes
	<b>Additional solenoid valve control</b>	No	No	Yes (2 additional actuations for solenoid valves that can be used for any additional movement)
	<b>Current commutation between two welding heads</b>	No	No	Yes
	<b>Display &amp; Keyboard</b>	4 lines screen & button on front panel	4 lines screen & button on front panel	Color 7" touchscreen
	<b>Deported screen</b>	Yes	Yes	Yes
<b>W</b>				
<b>e</b>				
<b>l</b>				
<b>d</b>				
<b>i</b>				
<b>n</b>				
<b>g</b>				
	<b>Single</b>	Yes	Yes	Yes
	<b>Single through PLC</b>	Yes	Yes	Yes
	<b>Single through internal sequence</b>	Yes	Yes	Yes, with the possibility to add in the sequence some movements (a two positions tooling for example)
	<b>Repeated</b>	Yes	Yes	Yes
	<b>Seam wheel</b>	No	No	Yes
<b>Q</b>				
<b>u</b>				
<b>a</b>				
<b>i</b>				
<b>t</b>				
<b>y</b>				
	<b>Traceability</b>	No	No	Yes, for each weld and each control
	<b>Curves</b>	No	No	Yes, for each weld and each control (precision : 1ms)
	<b>Export</b>	No	No	Yes, by csv file on hard disk, on usb, on TFTP server. By Ascii frame by Tcp
	<b>Upload/Download of machine settings</b>	No	No	Yes
<b>R</b>				
<b>e</b>				
<b>c</b>				
<b>a</b>				
<b>p</b>				
	<b>Precision</b>	++	+	+++
	<b>Rate of production</b>	+	++	+++
	<b>Price Level</b>	\$	\$\$	\$\$\$