

Capacitor Discharge Welders



welding & joining technologies

Capacitor Discharge Welding Power Supplies And Weld Heads

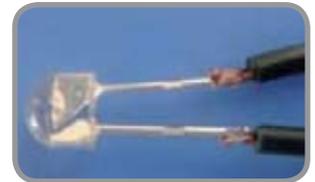
Our double pulse capacitor discharge welding power supplies works by charging the capacitors and then discharging them at once providing a high current on welding. So this type of power supply can be used on aluminium, copper, brass, and other materials with good thermal conductivity, it is particularly suited to welding small and precise parts.

DP125 & DP250

- Are multi-functional dual pulse power supplies with 125 & 250 watts/second (joule) capacitance discharge. Many small and precise components can be welded with these power sources. The welding lock function can ensure that outside line voltages, operating frequency and speed do not affect the welding quality.
- The dual pulse function not only improves welding quality but reduces splash. Each welding schedule includes two independent and changed pulse discharges, one pulse is used to clear plated coatings or contaminants to improve the surface condition of the work pieces whilst another pulse welds them.
- These power source can be used with manual or air actuated heads or with automatic heads on automatic lines.



	DP125	DP250
Supply Voltage	220v 50Hz	220v 50Hz
Current Setting	0 - 100%	0 - 100%
Min Output	0.75WS	1.5WS
Max Output	250WS	125WS
Weld Progs	10	10
Weld Head	ANY	ANY
Weld Time	0 - 99 MS	0 - 99 MS
Output Pulse	Double	Double

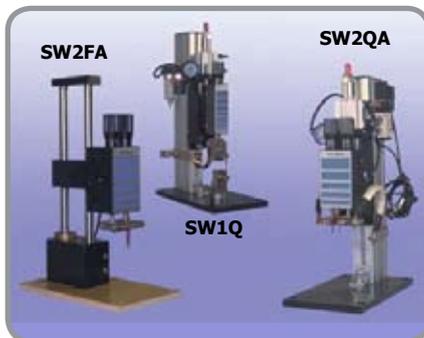
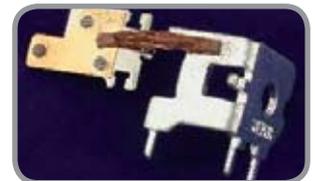


DP500 & DP875

- Are multi-functional dual pulse power supplies with 500 & 875 watts/second (joule) capacitance discharge. Many small and precise components can be welded with these power sources. The welding lock function can ensure that outside line voltages, operating frequency and speed do not effect the welding quality.
- The dual pulse function not only improves welding quality but reduces splash. Each welding schedule includes two independent and changed pulse discharges, one pulse is used to clear plated coatings or contaminants to improve the surface condition of the work pieces whilst another pulse welds them.
- These power source can be used with manual or air actuated heads or with automatic heads on automatic lines.



	DP500	DP875
Supply Voltage	220v 50Hz	220v 50Hz
Current Setting	0 - 100%	0 - 100%
Min Output	3WS	3WS
Max Output	875WS	500WS
Weld Progs	10	10
Weld Head	WBT-Q01H	WBT-Q01H
Weld Time	0 - 99 MS	0 - 99 MS
Output Pulse	Double	Double



High performance weld heads built for durability. Linear guide type design ensures the precision and repetitiveness of welding. Low inertia, fast follow up designs Pneumatic or manual actuation.

**Weld force for the SW series = 445N - 667N
And the WBT series = 89N - 178N**



SW Precision Weld Heads.

WBT Precision Weld Heads.

	SW2FA	SW1Q	SW2QA	WBT-H1	WBT-H2	WBT-Q01H	WBT-Q01	WBT-F01	WBT-Q03	WBT-F03
Max Force	89N	89N	89N	29N	49N	445N	89N	89N	89N	89N
Electrode Dia	3 & 6	3 & 6	3 & 6	3	6	6	3 & 6	3 & 6	3 & 6	3 & 6
Max Stroke	25mm	25mm	25mm	15mm	6mm	32mm	25mm	25mm	25mm	25mm
Throat Size(H*D)	120x200mm	90x130mm	120x200mm	20x60mm	n/a	155x281mm	49x152mm	49x152mm	157x159mm	157x159mm
Actuation	Manual	Air	Air	Manual	Manual	Air	Air	Manual	Air	Manual



Prospot Limited - Unit C Riverside Industrial Estate
Atherstone Street - Fazeley - Tamworth - Staffordshire - B78 3RW
Telephone: 01827 254 829 - Fax: 01827 254 832
Email: sales@prospot.co.uk - Web: www.prospot.co.uk