

Heavy Duty Portable Spot Welding Guns



This range of compact heavy duty weld guns has been the industry standard for many years in the UK and overseas. The high production speeds required by modern industries, from automotive to air conditioning, place huge demands on production equipment.

This range meets those demands, with powerful, manoeuvrable, spot welding guns, fitted with ISO standard transformers, manufactured in the UK to ISO9001 standards and designed for minimum maintenance.

The smaller '**M**' series scissor guns cover requirements for guns with arms of up to 600 mm long. A wide variety of transformer, air cylinder and electrode arm sizes allows designs to be configured for exact user requirements.

For longer arms and thicker materials the '**P**' series guns give the higher welding forces and currents necessary.

'**C**'-type weld guns with direct acting cylinders are ideal for work around the edges of a component. Again, a wide range of standard and special electrode arms is available.

All the guns are supplied with a choice of Microprocessor weld controls. These range from simple two programme precision controls for general purpose work, through to sophisticated multi-programme units, with monitoring facilities for use in the most demanding of applications. (See page 10)

For related PW products: electrode tips and holders; spring balancers; jib cranes; track systems; tip dressers; watercooling systems; installation and commissioning services; training; see other pages.

Medium frequency guns:-

For welding aluminium, other complex materials, or for highest weld quality, medium frequency transformers can be fitted. These give pure DC welding current, which optimises spot welding conditions, and reduces gun weight to maintain manoeuvrability.

Please note:

Maximum welding capacities quoted below are only a guide. Refer to detailed welding tables available from PW.

For full details contact your nearest distributor or PW Sales.



Specifications		Scissor type guns						C-Type guns		
		S326M	S486M	S546M	S546P	S616P	S766P	S328P	S548P	S618P
Power at 50% duty cycle	kVA	32	48	54	54	61	76	32	54	61
Supply voltage	V	380 / 415						380 / 415		
Secondary short circuit current	kA	15	17	18	17	18	20	16	18	20
Secondary open circuit volts	V	5.3	6.3	7.1	7.1	8	10	5.3	7.1	8
Max. force at electrodes	daN	380			570			350/430		
Max. weld cap. MS sheet	mm	2+2	2.5+2.5	3+3	3+3	3+3	4+4	2+2	3+3	4+4
Max. weld cap. MS bar – dia.	mm	12+12	16+16	19+19	16+16	19+19	19+19	12+12	16+16	19+19
Distance between arms	mm	150			200			150		
'D' version	mm	200			300			250		
'D1' version	mm	250			400			350		
'D2' version	mm	300			-			-		
Arm diameter – std arms	mm	35			38/50			40/50		