



## Standard Machine Range

### Heavy Duty High Production Adjustable Reach Pedestal Range

PWRWP's range of Heavy Duty High Production Pedestal Welders are manufactured to offer the very best in a series of Compact, Robustly made Spot Welding machines with genuine 50% duty cycle ratings and Adjustable Reach.

There is a choice of transformers of either 75 kVA, 100kVA or 150Kva and medium frequency as an option.

These machines offer the very best for the busy sheet metal and welding Fabrication workshop and Automotive applications.

They offer high-speed pneumatic operation ideal for most spot, stitch, nut and wire welding jobs.

The fully adjustable fixed arm bottom knee allows for both vertical and horizontal adjustment of the fixed electrode arm. The upper Arm is fully Adjustable to give a reach of up to 800mm.

A full range of arms and adapters are available for normal sheet metal spot and stitch welding as well as cross wire and "T" wire welding.



These welders feature 75kVA, 100kVA or 150kVA and medium frequency fully encapsulated water-cooled transformer fitted with over temperature sensors. These transformers are connected to the weld gun arm with heavy duty secondary connections.

The construction of the main machine frame uses a sturdy welded steel frame/base assembly with a detachable rear steel cover box. The machine also features a swing door, with panel locks, for access to the inside of the machine.

A number of different weld controls can be fitted to these welders from simple analogue units sophisticated synchronous and MFDC timers with up to 64 weld programs and features such as constant current and heat stepping etc. These machines are suitable for high production spot, nut, bold and projection welding and can be configured in many different ways. They are also available with high pressure cylinders and retract operation if required as an option.

These welders have also been used as the bases for many automated systems where a robust heavy duty spot welding system is required..

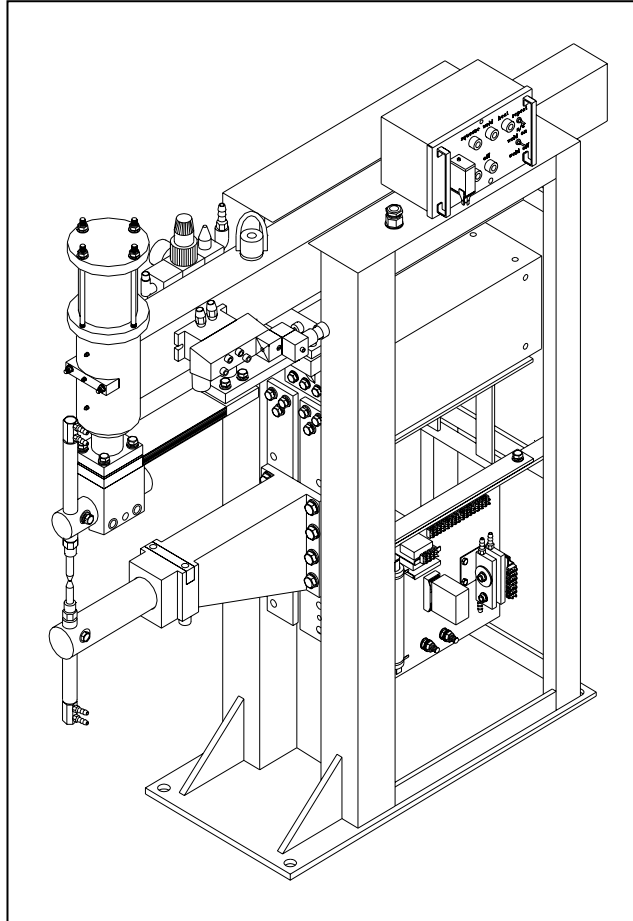
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### Typical Heavy Duty High Production Adjustable Reach Pedestal Welder



			75 kVA	100 kVA	150 kVA
<b>Machine Capacity</b>	Continuous Capacity 50% Duty	kVA	75	100	150
	Maximum Short Circuit Capacity	kVA	240	340	440
	Maximum Welding Power	kVA	190	270	350
<b>Machine Voltage</b>	Primary Voltage	V	380-440	380-440	380-440
	Open Circ.Sec.Volts Range	V	3 to 8	6 to 10	8.5 to 12
	No of Transformers Taps	No	3	3	3
<b>Mains Supply</b>	Nominal Supply Voltage	V	380-440	380-440	380-440
	Nominal Frequency	Cycles	50-60	50-60	50-60
	Fusing Capacity	Amps	200 HRC	250 HRC	400 HRC
	Feed Cable CSA 30m Run	mm <sup>2</sup>	70	95	150
<b>Weld Cylinder High Lift Available on Request</b>	Dia of Weld Cylinder	mm	125	125	160
	Electrode Weld Force Min / Max at 5.5 bar	kN	1.9/7.1	1.9/7.1	1.5/11
	Weld Stroke	mm	80	80	80
	High lift Cylinder	mm	70hl/25w	70hl/25w	70hl/25w
<b>Secondary Current</b>	Nominal Secondary current at 50% DC I <sub>2n</sub>	Amps	8,850	10,100	12,500
	Max short Circuit Current I <sub>2cc</sub>	Amps	26,000	31,000	35,000
	Max Welding Current I <sub>2max</sub>	Amps	21,000	25,000	28,000
	Duty Cycle @ Max welding X <sub>max</sub>	%	7.8	6.8	9

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