

Heavy Duty High Production Pedestal Range

The PWRWP range of heavy duty high production pedestal welders is manufactured to offer the very best in a series of compact, robustly made spot welding machines, with genuine 50% duty cycle ratings.

There is a choice of transformers of 35 kVA, 50kVA or 75kVA.

These machines offer the very best for the busy sheet metal and welding fabrication workshop, offering high-speed pneumatic operation ideal for most spot, stitch, nut and wire welding applications.

The fully adjustable fixed electrode arm allows for both vertical and horizontal adjustment.

The upper and lower electrodes are fully interchangeable.

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.



The welders are supplied as standard with a WK-MPS-08 6 stage digital weld control with 8 programs, simple push button keys, 2 line alpha-numeric LCD screen. LEDs for all inputs and outputs and control operations.

The standard timer fitted has the following available;

Pre-squeeze.....	0 to 99 cycles
Squeeze time	0 to 99 cycles
Weld time 1	0 to 99 cycles
% Heat 1	10 to 99%
Cool Time.....	0 to 99 cycles
Weld time 2	0 to 99 cycles
% Heat 2	10 to 99%
Hold time	0 to 99 cycles
Off time	0 to 99 cycles
Repeat function	On / Off
Pulsations	1 to 99

More sophisticated electronic fully synchronous controls are also available if required



Standard Machine Range

They feature 35kVA, 50kVA or 75kVA fully encapsulated water-cooled transformers fitted with over temperature sensors. These transformers are connected to the weld gun arm with heavy duty secondary connections.

Construction of the main machine frame is a sturdy welded steel frame/base assembly with detachable rear steel cover box. The machine also features a swing door, with panel locks, for access to the control and firing systems.

The machine is supplied fitted with dual hand start switches and single foot switch start as standard. There is a lock out selector switch for the selection of either hand or foot start.

			35 kVA	50 kVA	75 kVA
Machine Capacity	Nominal Capacity 50% Duty	kVA	35	50	75
	Maximum Short Circuit Capacity	kVA	90	120	190
	Maximum Welding Power	kVA	60	90	150
Machine Voltage	Primary Voltage	V	380-440	380-440	380-440
	Open Circ.Sec.Volts Range	V	3 to 5	3 to 8	3 to 8
	No of Transformer Taps	No	3	3	3
Mains Supply	Nominal Supply Voltage	V	380-440	380-440	380-440
	Nominal Frequency	Cycles	50-60	50-60	50-60
	Fusing required	Amps	63 HRC	150 HRC	210 HRC
	Feed Cable 10m Run	mm ²	16	25	35
Weld Cylinder High Lift Available on Request	Dia of Weld Cylinder	mm	80	80	80
	Dia of Weld Cylinder	mm	100	100	100
	Weld Stroke	mm	70	70	70
	High lift Cylinder	mm	70hl/25W	70hl/25W	70hl/25W
Secondary Current	LO Weld Current 550mm Reach	Amps	9000	9000	10500
	MED Weld Current 550mm Reach	Amps	12000	14000	22000
	HI Weld Current 550mm Reach	Amps	15000	18000	17600
	Maximum Primary Current	Amps	250	350	450

A Guide to Welding Capacity

Material Thickness mm swg	Mild Steel			Galvanised Steel			Mild Steel Wire			
	Press Lbs	Current amps	Time Cycles	Press Lbs	Current amps	Time Cycles	Dia	Press Lbs	Current amps	Time Cycles
0.5 26	140	5,000	5	300	8,000	6	2.5mm	125	1,800	9
1.0 20	280	7,000	8	550	11,000	12	4.5mm	360	3,300	14
1.5 16	550	10,000	16				6.0mm	600	4,500	20
2.0 14	680	11,000	22							



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