

# PROJECTION WELDING MACHINES PNEUMATIC - LINEAR HEAD

**PFP** 101 80KVA  
**PFP** 201 100KVA  
**PFP** 231 130KVA  
**PFP** 251 150KVA  
**PFP** 301 200KVA

**A MODERN RUGGED DESIGN  
PROVIDING THE RIGIDITY  
REQUIRED FOR  
ACCURATE  
COMPONENT  
WELDING**



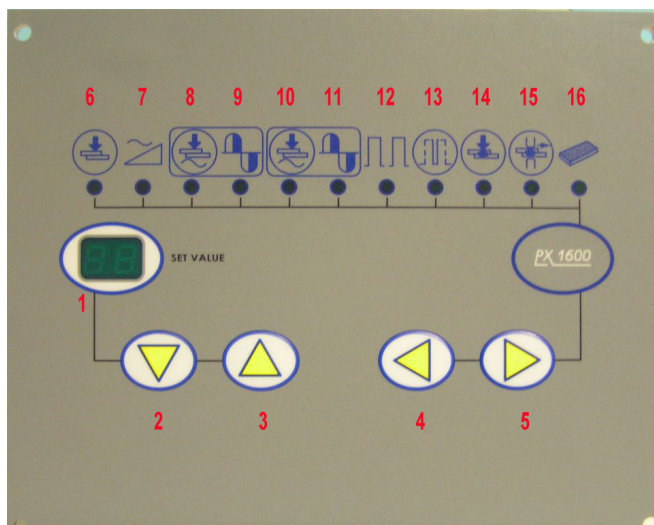
- Main transformer, platens and electrode holders fully water cooled
- Fitted with PX1600 Digital control with 9 programmes
- High lift or high force air cylinder available
- Foot pedal and concomitant hand push buttons with key switch selector
- Lower platen adjustable for height

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- ❖ Standard machine supplied with platens. Electrode holders and mounting adaptors available for spot welding applications.
- ❖ Lower platen adjustable for height. Fitted with bracing strut for rigidity.
- ❖ Adjustable High-lift or High-force cylinders available to order.
- ❖ Main transformer, platens and electrode holders fully water cooled ensuring maximum output and consistent performance at high duty cycles.
- ❖ Rigid top arm with air cylinder acting directly on top platen ensuring linear movement and fast response.
- ❖ Supplied with foot pedals and concomitant hand push buttons (with key selector switch) for safe operation.
- ❖ PX1600 Digital synoptic control for precise setting of all parameters.
- ❖ PY600 Constant Current Control with monitoring available at extra cost

1. Displays chosen parameter value and programme number
2. Adjusts value down
3. Adjusts value up
4. Selects parameter for adjustment or display. (moves to left)
5. Selects parameter for adjustment or display. (moves to right)
6. Pre weld squeeze time 0-99 cycles
7. Slope up of weld power 0-20 cycles
8. Weld time (set 1) 0-99 cycles
9. Weld power (set 1) 1-99% of transformer output
10. Weld time (set 2)
11. Weld power (set2)
12. Number of pulses 1-20 (If set 2 or higher weld time is 20 cycles max)
13. Time off between pulses 0-99 cycles
14. Post weld forge time 0-99 cycles
15. If set 2 or higher gives repeat weld 0-99 cycles (time between cycle)
16. Energy compensation – for use on dirty or oxidised sheets (optional)



		<b>181</b>	<b>201</b>	<b>231</b>	<b>251</b>	<b>301</b>		
POWER @ 50% DUTY CYCLE	kVA	80	100	130	150	200		
MAX.SEC.WELDING CURRENT	kA	23.5	28	30.8	32.8	45		
ELECTRODE FORCE @ 6 BAR	daN	735	735	735	735	1200		
SECONDARY VOLTAGE	V	6.75	8.0	8.8	10-11.5	7.6-9.3-11.1		
SUPPLY 50HZ 1PH	V	400	400	400	400	400		
FUSE RATING (delayed type)	A	140	180	230	270	350		
WATER FLOW REQUIRED	L/min	5	5	5	10	10		
AIR PRESSURE	bar	6						
THROAT GAP	mm	190-470						
ARM LENGTH (to centre of platen)	mm	270						
ELECTRODE STROKE	mm	80						
DIMENSIONS LxWxH	mm	1180	X	520	X	1710	1180X520X1860	
WEIGHT	kg	716		726		740	784	860