

PROJECTION WELDING MACHINES

PNEUMATIC - LINEAR HEAD

PFX 101 80KVA
PFX 201 100KVA
PFX 231 130KVA
PFX 251 150KVA

NEW DESIGN FRAME
PROVIDING EXCEPTIONAL
RIGIDITY FOR ACCURATE
COMPONENT
WELDING



- Compact and modular design for both manual and automatic series production.
- Heavy duty frame construction guarantees minimal flexing even with high electrode forces
- Can be fitted with Twin Heads
- Main transformer, platens and electrode holders fully water cooled.
- Available as conventional AC or Medium Frequency (MFDC)
- Fitted with PX1700 Digital control with 9 programs (AC) PY800 Control on MFDC
- Foot pedal and concomitant hand push buttons on separate pedestal
- Spot Welding Arms available as optional extra.
- 270mm or 450mm reach frame dimension to platen centre.
- Lower platen adjustable for height

- ❖ 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 frame construction with air cylinder acting directly on top platen ensuring linear movement and fast response.
- ❖ Supplied with foot pedal and concomitant hand push buttons on separate pedestal for safe operation.
- ❖ PX1700 Digital synoptic control for precise setting of all parameters.

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)

