

P220 Ultrasonic Welder

The P220 pneumatic Ultrasonic Welding system offers intuitive process setup controls, robust mechanical design, and multiple advanced welding modes for accurate and consistent weld quality.

Advanced weld initiation trigger methods include our patented programmable Trigger by Power and Trigger by Force, eliminating all mechanical trigger settings and significantly improving weld initiation accuracy and repeatability.

The P220 press offers unparalleled advanced features and controls. Its operational simplicity and robust design ensure consistent and reliable welding results every time.

Features

- 7" (178 mm) Stroke w/ Adjustable Mechanical Stop
- Rugged Construction
- Compact, Single-Rail Linear Ball Slide
- Top-of-Stroke Switch
- Ergonomic Base w/ Status Indicators
- Optical Cycle Activation Switches
- DIGI-TRAC Tuning
- Front Panel Lockout
- AC Line & Load Regulation
- Overload Protection
- OSHA-Required Lockout for Air Supply
- Twist-Release Emergency Stop Switch
- Multilingual GUI Capabilities

Additional Options

- Internally Mounted Linear Position Encoder w/ 1µm Resolution
- Force Sensor (Based on Load Cell)
- 3" (76 mm) Air Cylinder for Higher Press Force
- Variable Height Press Columns
- Automatic Buffer Film Feeder
- Resonant Mount Booster

Advanced Trigger and Welding Modes to Provide Consistent Weld Quality and Strength, Including:

- Trigger by Power (Patented)
- Trigger by Spring Compression
- Trigger by Force (Optional)
- Weld by Time
- Weld by Energy
- Weld by Position (Optional)
- Weld by Distance (Optional)

Weld Quality Control Monitoring

Monitors weld positions (trigger, weld, hold), power, energy, and other parameters with programmable suspect/bad part limits to monitor weld quality and consistency during operation.

Using our leading-edge plastic welding technologies, Dukane's application engineers can ensure that your assemblies meet or exceed the application requirements and quality standards. With every system, we provide a full lab report detailing setup conditions, process parameters, and power & velocity graphs based on our weld sampling. Referring to this data during production can help ensure assemblies with consistent weld quality.



	1200 W	2600 W	3600 W
20 kHz	✓	✓	✓
AC Voltage & Maximum Current	110-240V 50/60 Hz @ 15/8 amps	200-240V 50/60 Hz @ 15 amps	200-240V 50/60 Hz @ 19 amps



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