



Intelligent Assembly Solutions

20/15 kHz

Model 215 Press/Thruster

Now Compatible with!

Dukane 5000 Watt 20kHz or
4000 Watt 15kHz
DPC Ultrasonic Power Supplies



FEATURES

- Rugged, heavy duty construction using the highest quality components provides superior performance, precision, and reliability
- Ultra-rigid square support column with rack and pinion height adjustment and up to 10° of radial alignment capability
- Gas strut counterbalance makes height adjustment easy and can be specified on either side of welder (at time of order)
- Handwheel can be specified on either side of welder (at time of order)
- Heavy duty precision slide assembly with 1" (25.4mm) diameter steel rods and sealed Thomson ball bushings pre-loaded for clearance-free, frictionless operation
- Dual pressure increases clamp force to improve melt during the weld cycle, or to provide tighter assembly during the hold cycle
- 7" (178mm) stroke with mechanical bottom stop adjustable in .001" (.025mm) increments
- All controls are accessible from the front for convenient set-up and operation
- Top-of-stroke limit switch for automation applications
- Easy to use front panel position indicators with universal icons instantly show settings of bottom stop, pre-trigger, and end-of-weld switches
- Pre-trigger and end-of-weld (lower) limit switches are standard and adjustable in .001" (.025mm) increments
- OSHA-required lockout for air supply is standard
- Ergonomic base and cycle activation switches reduce operator fatigue; optional opti-touch cycle activation switches available
- Status indicators in base for Power, In Cycle, and Abort clearly communicate system conditions
- Twist-release emergency stop switch meets international safety standards
- Transducer and aluminum booster are standard (20kHz resonant mount transducers standard)
- Press/thruster design provides system flexibility and upgradeability, reducing equipment investment
- Compatible with all current Dukane custom assembly system components, including sound enclosures and rotary tables



SPECIFICATIONS

Pneumatic requirements: 80-110 psi max. clean, dry air

Maximum available clamp pressure: 777 lbs @ 110 psi with standard 3.00" (76mm) air cylinder

Allow 5.00" (130mm) behind the press/thruster for air line and cable connections

Thruster Dimensions

Housing height:	35.00" (889mm)
Housing width:	5.87" (149mm)
Housing depth:	10.00" (254mm) at greatest point
Weight:	93.00 lbs (49Kg)

Press Dimensions

Base width:	18.56" (471mm)
Base depth:	24.83" (631mm)
Column height:	40.00" (1016mm)
Column diameter:	7.50" (191mm) at base
Maximum height:	62.00" (1574mm)
Housing width:	5.87" (149mm)
Column C.L. to Horn C.L.:	12.38" (314mm)
Useable throat:	8.50" (216mm)
Stroke:	7.00" (178mm)
Weight:	400.00 lbs (182Kg) less tooling

Options

- Sound enclosure
- Electronic pressure regulator
- Force transducer (load cell)
- Linear optical encoder
- Pressure transducer

