**VWB4700**

**Vibration Welder**

**Table Size 52" (1320mm) by 24" (610mm)**

**FEATURES**

- Electromechanical vibration head assembly (200-240 Hz)
- Super rigid four rail table slide system
- One piece flame cut bridge (heaviest in class)
- Structural tubular steel table (heaviest in class)
- Solid state 40 hp digital variable frequency drive
- Hydraulic lift / clamp force maximum 5000 lbs. (22,000N)
- 20 gallon (75.6L) reservoir
- Allen-Bradley Compactlogix controller with add-on expansion available
- Allen-Bradley Panel View 700 full color touch screen HMI
- Intuitive and interactive comprehensive help menu
- Part parameter monitoring with programmable limits
- Programming for up to 5 part in place sensors included (sensors not included)
- Programming for up to 4 pneumatic valves included (valves not included)
- Programming for vacuum (vacuum generator and valve not included)
- Programming for tool ID included.
- Language capabilities, English and Spanish
- Automatic tuning with auto ping mode
- Programmable amplitude 0.020” to 0.070” (.05 to 1.8 mm)
- Weld by time or weld by distance (absolute or collapsed)
- Programmable Amplitude and Pressure profile up to 5 steps
- Interior work light
- Optical zero force cycle start activation switches
- Light curtain for single switch activation

**SPECIFICATIONS**

- Table and maximum lower tool size 52” x 24” (1320 x 610 mm)*
- Door Opening 26” high x 55” wide (660 x 1400 mm)
- Upper tool weight 90 – 150 lbs. (40 - 68 kg)
- Upper tool maximum size 20” x 44” (510 x 1120 mm)
- Low 41” (1040 mm) lift table height
- 20” (500mm) stroke, 25” (630mm) max. opening
- Small 51” x 101” (1.3 x 2.6 m) footprint
- 80 dB maximum in operation (continuous measurement)
- Pneumatic manifold will support additional 2 valves

**OPTIONS**

- Position adjustable cycle activation switches
- Exterior work light
- PLC options for Siemens or Mitsubishi available
- Custom paint specification
- Rear sliding door for pass through operation
- Programmable pneumatic valves for clamps and slides
- Programmable part-in-place sensing.

* Tooling can in some instances overhang the back of the table by a modest amount. Consult Dukane for more information.
** Custom lift table or custom frame can be quoted to allow for an uninterrupted bucket of greater depth.
**Vibration Welder Model VWB4700 Floor Layout**

**Note:** All specifications are subject to change without notice. Please consult Dukane Ultrasonics for any updated information.

**WEIGHT:** 7500 LBS

**AIR IRDP:**
- 75 PSI MIN, 2 SCFM

**ELECTRICAL IRDP:**
- 480VAC 3PHASE 30AMP

**R 30.0**
- ER 9661 DOOR SWING

**Fixture hole patterns and dimensions**

**LIFT TABLE HOLE PATTERN**

**UPPER TOOL BOLT PATTERN**

**DIMENSIONS:**
- 29.69 (759)
- 7.86 (200)

**Other dimensions and specifications:**
- **80.25 (2036)**
- **22.00 (559)**
- **36.99 (1940)**
- **20.25 (514)**
- **12.62 (321)**
- **35.81 (910)**
- **16.00 (406)**
- **30.00 (762)**
- **50.00 (1270)**
- **5.51 (140)**
- **52.00 (1321)**
- **5.292 (133)**
- **7.124 (181)**
- **19.500 (495)**
- **16.500 (419)**
- **13.750 (349)**
- **14.700 (373)**
- **7.124 (181)**
- **3.562 (90)**
- **2.625 (67)**
- **6.000 (152)**
- **12.000 (305)**
- **24.000 (610)**
- **56.000 (1425)**
- **20.25 (514)**
- **M12-1.75 TAP (28 PLCS)**

**ELECTRICAL DISCONNECT**

**ISO 9001**