FEATURES

- **Modular component design** maximizes product flexibility and cost effectiveness by allowing the selection of various power levels and process control features.

- **Retrofittable** to existing ultrasonic probe/press systems to bring precise control and monitoring features to applications already in production.

- **Standard 19" (48cm) rack mountable** unit for easy system integration at minimal cost.

- **Universal IEC 320 power cord receptacle** accommodates most worldwide power requirements.

- **Auxiliary outputs** such as cycle activation provide easy system integration with automated machinery and PLCs.

- **Power display** for checking acoustic stack characteristics.

- **System power output** indicates normal or possible overload operating condition during the weld cycle.

- **System status panel** displays any of six self-diagnostic messages, including Fault, Input Test, Overload, On Line, Overtemperature, or Off Line.
GENERATOR

- **Patented Pulse-Width Modulation** design delivers power more efficiently with substantially less stress on the electrical components for superior performance, reliability, and extended service life.

- **Unique Linear Ramp Soft Start** accelerates the transducer and tooling up to operating amplitude eliminating mechanical and electrical starting stress.

- **AUTO-TRAC tuning** using phase lock loop technology automatically locks the generator to the resonant frequency of the transducer and tooling even under varying conditions of temperature and loading.

- **Dukane exclusive FLOW-THROUGH COOLING** provides on demand thermostatically controlled cooling system that separates electronic components from the cooling air flow chamber.

- **Electronic overload protection** prevents component failure, reducing costly downtime.

- **Advanced transformer and inductor designs** increase efficiency and reliability of electronic components.

- **Line regulation** compensates for line fluctuations assuring consistent amplitude.

- **Load regulation** assures constant amplitude at various loads improving assembly consistency.

- **Universal Voltage Input** automatically compensates for line voltages between 90-130, or 180-260 volts.

DIMENSIONS

MODELS

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<tr>
<th>POWER / FREQUENCY</th>
<th>100 W</th>
<th>150 W</th>
<th>350 W</th>
<th>500 W</th>
<th>700 W</th>
<th>1000 W</th>
<th>1200 W</th>
<th>1500 W</th>
<th>1700 W</th>
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Note: All specifications are subject to change without notice. Please consult Dukane Ultrasonics for any updated information.