**FEATURES**

- **Retrofittable** to existing ultrasonic probe/press systems to bring precise control and monitoring features to applications already in production.
- **Timer Module** option provides weld time and hold time control and stores up to eight setup files.
- **Press Module** option controls a Dukane ultrasonic press.
- **Power Signal Module** option enables weld–by–energy mode.
- **Multi–Probe Control Module (MPC)** options permit one DPC to handle up to eight probes in an automation environment.
- **Plug and Weld** system recognizes modules as they are added or removed from system.
- **Process Control Menu** automatically reconfigures itself to accommodate added modules.
- **ISO9001 Certification** assures you of the highest quality and Dukane's commitment to continuous improvement.
- **User Selectable** parts limits – Suspect or Bad.
- **Dukane Exclusive** one touch hot keys for quick programming of weld control.
- **Hot Key** One Touch digital amplitude control in 1% – increments 100-40%.
- **End of Weld** ground detect standard.
- **Modular component design** maximizes product flexibility and cost effectiveness by allowing the selection of various power levels and process control features.
- **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 over load 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.

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**Electrical Requirements**

90–130 Volts AC, 50/60 Hz or 180–260 Volts AC, 50/60 Hz

(Input Power Requirements vary with Frequency Output and the Rated Power of the Generator)

Approximate Weight — 40 pounds (18.2 kg)

Shipping Weight — 50 pounds (22.7 kg)

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**MODELS**

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<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.