Dukane’s DDSM 20/40 Ultrasonic Sewing Machine can be used to “sew” thermoplastic material using either 20 kHz, 30 kHz or 40 kHz equipment. Some of the advantages of ultrasonic sewing/slitting include no consummables (eliminates needles and thread), no stitch holes in the material (eliminates leaks), slit edges are automatically sealed (prevents unravelling), and single operation for cut and seal (saves time and cost). The machine is equipped with adjustment capabilities to allow for a variety of sewing and slitting operations.

- Can be used with either 20 kHz, 30 kHz or 40 kHz equipment
- LED display for easy process monitoring
- 19” (483mm) throat
- Independent controls for slitting and rotary anvil welding
- Dual sealing capabilities with independent adjustments
- Edge guiding, rewinding, and feed rolls can be used
- Can be operator controlled as a benchtop unit or integrated into an existing line

Note: Operating specifications may vary depending on material and/or process conditions. Please consult your local Dukane representative regarding the details of your specific requirements.
**SPECIFICATIONS**

- 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.

- High performance fan and improved heat sink design extend component life and efficiently maintain high power during continuous duty applications.

- Line regulation compensates for line fluctuations assuring consistent amplitude.

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

- Power Factor Correction option brings input current and voltage in phase for maximum utilization of power (energy).

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

<table>
<thead>
<tr>
<th>Frequency</th>
<th>20 kHz</th>
<th>30 kHz</th>
<th>40 kHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level 1</td>
<td>1200 watt, 1700 watt &amp; 2200 watt</td>
<td>1500 watt</td>
<td>700 watt</td>
</tr>
<tr>
<td>Level 2</td>
<td>1200 watt, 1700 watt, 2200 watt &amp; 3300 watt</td>
<td>1500 watt</td>
<td>700 watt</td>
</tr>
</tbody>
</table>

*Current draw at full-rated output.*

**Model shown with 1200 watt 20 kHz Dynamic Process Controller (DPC 1)**

**NOTES:**
- Allow 5.5” (140mm) on depth dimension for cable connections and 2.0” (51mm) on each side for air circulation.
- Current draw at full-rated output.

**NOTE:**
- All specifications subject to change without notice. Please consult Dukane Corporation for any updated information.