**LE Mini**

NEW dimension in hot air technology

- Compact and robust built-in type heater
- Integrated tool and heating element protection
- Integrated temperature probe
- Standard Interface to Controller
- Alarm Out
- Master-Slave Configuration
- High grade of process control
- Pinpoint application

- Plastic riveting
- Plastic welding
- Concentrated drying
- Quality check (Temperature Sensor)
- Sterilizing and de-germing

LEISTER LE Mini plastic hot air staking.

LEISTER LE Mini used for plastic part assembly.

LEISTER LE Mini to sterilizing injection needles.
**LE Mini Application area**

- Computer Industry  
  (Handheld, Key Board, Joystick…)
- Telecommunication  
  (GSM, Head-set, Radio…)
- Packaging Industry  
  (Small container, plastic foil…)
- Medicine  
  (Sterilize, pouch pack)
- Toy Industry  
  (Auto, Modelling, Puppet…)
- Household appliances  
  (Blender, Thermos flask…)
- Consumer electronics  
  (MP3 Player, Game boy…)
- Electric-/ Electronic Industry  
  (Plug, Micro Switch…)
- Tools  
  (Special gripper, Scissor…)

**Applications**

- Hot air riveting
  Airbag-metal, Internal cladding, Containers, ABS/ESP-control boxes, Mobil Radio

- Plastic hot air staking
  • Round stakes
  • Ribs
  • Roll-over
  • Stand-off pillars and staking

As opposed to ultrasonic riveting, thermal riveting can be used for problem-free metal/plastic bonding as no vibrating tools come into contact with the metal, which may impairing the bonding. Thermal riveting achieves a very high joint quality, particularly for difficult plastics such as POM or PAGF, which tend to embrittle during ultrasonic riveting. The process is of great use where contamination of parts, due to separation of embrittled particles, is to be avoided for safety reasons.

- **Concentrated drying**
  Drying protective lacquer of small loudspeaker coils, 
  Drying the labeling of small parts, 
  Drying of small containers

- **Quality check**
  Function test of Temperature Sensor

- **Sterilize**
  Sterilizing of injection needles, de-germing

- **General**
  Specific activation of glue, 
  Pin point heating of electronic components

<table>
<thead>
<tr>
<th>Type</th>
<th>LE Mini Sensor, 400</th>
<th>LE Mini Sensor, 800</th>
<th>LE Mini, 400</th>
<th>LE Mini, 800</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>V~</td>
<td>120 / 230</td>
<td>230</td>
<td>120 / 230</td>
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<tr>
<td>Frequency</td>
<td>Hz</td>
<td>50 / 60</td>
<td>50 / 60</td>
<td>50 / 60</td>
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<tr>
<td>Power consumption</td>
<td>W</td>
<td>400</td>
<td>800</td>
<td>400</td>
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<tr>
<td>Max. temperature</td>
<td>°C</td>
<td>600</td>
<td>750</td>
<td>600</td>
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<tr>
<td>Min. air flow</td>
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<td>10</td>
<td>25</td>
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<tr>
<td>Max. pressure</td>
<td>MPa</td>
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<tr>
<td>Thermal switch for tool protection</td>
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<tr>
<td>Heating element protection</td>
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<td>+</td>
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<td>+</td>
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<tr>
<td>Integrated heating probe</td>
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<td>+</td>
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<tr>
<td>Analogue interface (passive) 4 – 20 mA</td>
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<tr>
<td>Dimensions, LE Mini L×ø</td>
<td>mm</td>
<td>253×27</td>
<td>306×27</td>
<td>253×27</td>
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<tr>
<td>Dimensions, heating tube ø</td>
<td>mm</td>
<td>15</td>
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<tr>
<td>Screwed nozzle joint ø G 1/4 × 8</td>
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<tr>
<td>Dimensions, converter L×B×H</td>
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<td>135×105×53</td>
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<tr>
<td>Weight LE Mini</td>
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<td>150</td>
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<tr>
<td>Weight Converter</td>
<td>g</td>
<td>190</td>
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</table>

There are more heaters and blowers available.