The T-3002-M is a manual, precise, high quality die bonder & component placer with superior ergonomic design and a fix die ejector needle. As with all of Tresky’s products, the T-3002-M incorporates True Vertical Technology™ which guarantees parallelism between chip and substrate at any bond height.
Excellent performance, ergonomically designed and high reliability makes the **T-3002-M** ideal for small and medium production. Typically with a cycle time of approx. 4 sec. (process depending).

**APPLICATIONS:**
Die Attach, Die Sorting, Flip-Chip, MEMS, MOEMS, VCSEL, Ultrasonic, Thermosonic, RFID, Adhesive Bonding, Eutectic Bonding (AuAu, ....), .....

**FEATURES AND OPTIONS:**
- TRUE VERTICAL TECHNOLOGY™ Z-movement 95mm
  with 360° Tool rotation; Dispenser, Stamping, Ultrasonic,
  Scrub, Tool Heating, Pre Form Spindle, ...
- XY placement stage supporting:
  Waffle - / Gel - Pack -, Substrate - Holder, various Heating
  Plates
- Pick-up from Wafer with Tresky’s patented die ejector system,
especially suitable for all kind of Si, GaAs and InP dies down
to 30µm thickness.

**TECHNICAL DATA:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>XY- Movement (placement stage):</td>
<td>220mm x 220mm (manual)</td>
</tr>
<tr>
<td>XY- Movement (wafer stage):</td>
<td>220mm x 220mm (manual)</td>
</tr>
<tr>
<td>Z- Movement</td>
<td>95mm (manual)</td>
</tr>
<tr>
<td>Spindle Rotation</td>
<td>360°</td>
</tr>
<tr>
<td>Max. PC Board-/ Substrate Size:</td>
<td>400mm x 280mm</td>
</tr>
<tr>
<td>Placement accuracy</td>
<td>10µm; 1µm with high accuracy beam splitter (Flip-Chip09mpa)</td>
</tr>
<tr>
<td>Connections</td>
<td>Compressed air 5 - 6 bar / Vacuum 0.6 bar (abs)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>900mm x 800mm x 700mm</td>
</tr>
<tr>
<td>Weight</td>
<td>85kg</td>
</tr>
<tr>
<td>Voltage</td>
<td>110V / 220V</td>
</tr>
</tbody>
</table>

*Note: All specifications are subject to change without notice*

**REPRESENTED BY:**

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**HEADQUATERS**

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