The T-3002-FC3 series is Tresky’s most flexible die bonding platform. The systems can run all basic functions as well as the industries most advanced applications by adding a wide range of available options. As with all of Tresky’s products, the FC3 incorporates True Vertical Technology™ which guarantees parallelism between chip and substrate at any bond height. Together with superior ergonomics the FC3 platform is the industry’s most sophisticated system in its class.
Advanced multi functional die bonder & component placer with superior ergonomic design and programmable, high accuracy Z-Drive and bonding force control.

**APPLICATIONS:**
Die Attach, Die Sorting, Flip-Chip, 3D Packaging, MEMS, MOEMS, VCSEL, Photonics, Ultrasonic, Thermosonic, RFID, Sensor Assembly, Adhesive Bonding, Eutectic Bonding (AuAu, AuSn, ......)

**FEATURES AND OPTIONS:**
- Interface for temperature profile and video imaging
- Programmable Z-Drive with Bonding Force Control
- 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

**TECHNICAL DATA:**
- XY- Movement (placement stage): 220mm x 220mm (manual)
- XY- Movement (wafer stage): 220mm x 220mm (manual)
- Z- Movement: 95mm (automatic)
- Spindle Rotation: 360°
- Bond Force (standard range): 20g - 400g (other force ranges available)
- Bond Force (repeatability): ±1g
- Z-Measurement resolution: ±0.001mm
- Max. PC Board-/Substrate Size: 400mm x 280mm
- Placement accuracy: 10µm; 1µm with high accuracy beam splitter (Flip-Chip09mpaHD)
- Connections: Compressed air 5 - 6 bar / Vacuum 0.6 bar (abs)
- Dimensions: 900mm x 800mm x 700mm
- Weight: 85kg
- Voltage: 110V / 220V

**REPRESENTED BY:**

**HEADQUARTERS**

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