DIE BONDER

MICRO ASSEMBLY

05000-PRO

T-3000-PRO



The **T-3000-PRO** 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 PRO incorporates True Vertical Technology[™] which guarantees parallelism between chip and substrate at any bond height. Together with superior ergonomics the PRO platform is the industry's most sophisticated system in its class and with the new PC software even easier to operate.

True Vertical Technology™

Ultra precise bond-height control

Full PC-Control





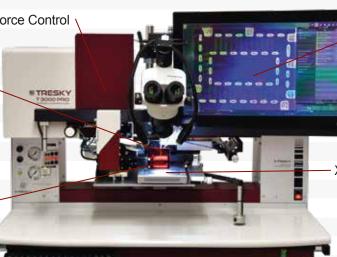
Dr. TRESKY AG Switzerland tresky@tresky.com www.tresky.com Advanced multi functional Die Bonder with superior ergonomic design and programmable, high accuracy Z-Drive and bonding force control.

APPLICATIONS

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

FEATURES AND OPTIONS

- Z-Drive with Bonding Force Control
- TRUE VERTICAL
 TECHNOLOGY™
 Z-movement 95mm
 with 360° Tool rotation;
 Dispenser, Stamping,
 Ultrasonic, Scrub,Tool
 Heating, Pre Form, ...
- Flip-Chip Ultra
 Beam Splitter with multi point alignment
 » 1µm placement accuracy



Interface for all bonding parameter, temperature profile and video imaging of Beam Splitter Optics, Process Inspection Camera

XY placement stage supporting: -Waffle/Gel - Pack -, Substrate -Holder, various Heating Plates

TECHNICAL DATA

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

Note: All specifications are subject to change without notice

Represented by



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