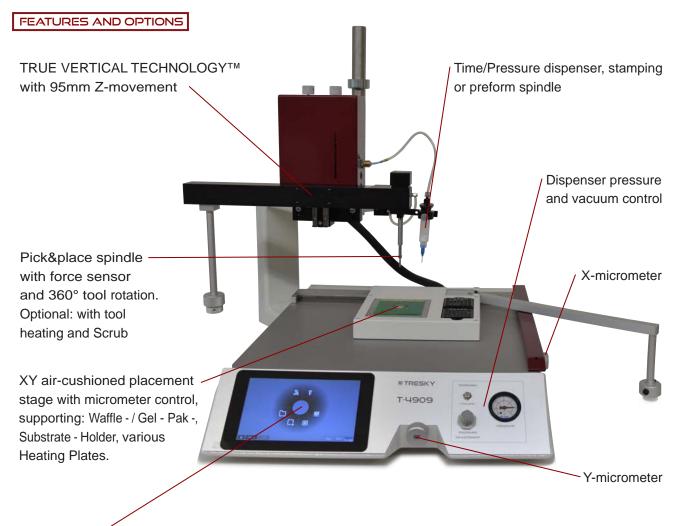


Dr. TRESKY AG Switzerland tresky@tresky.com www.tresky.com Excellent performance, ergonomically designed and high reliability makes the T-4909-AE ideal for small and medium volume production.

APPLICATIONS

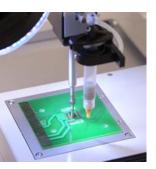
Die Attach, Flip-Chip, MEMS, MOEMS, VCSEL, RFID, Adhesive Bonding, Eutectic Bonding,



- Main screen Touchscreen for selection of pick&place, dispensing, stamping, mode. Create and store custom sequence.
- E.g.: Pick, dispense and place with automatic start of heating.

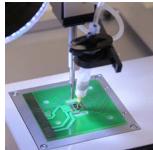


Pick&place mode for selection pick&place bond force and time



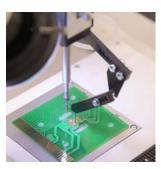


Dispensing mode for selection of dispensing parameters





Stamping mode for selection of stamping parameters



HEATING / EUTECTIC

Tresky offers a large variety of standard and customized modules for heated / eutectic processes.



Static heating plate 62x62mm or 100x100mm, up to 450°C, chamber for forming gas



Dynamic heating plate 52x52mm or 100x100mm, up to 400°C



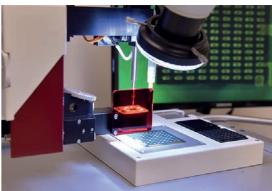
Dynamic heating plate 52x52mm or 100x100m, up to 400°C, chamber for forming gas



Tool heating up to 450°C

T-4909-AE WITH BEAM-SPLITTER OPTICS (FLIP-CHIP-OPTIC)

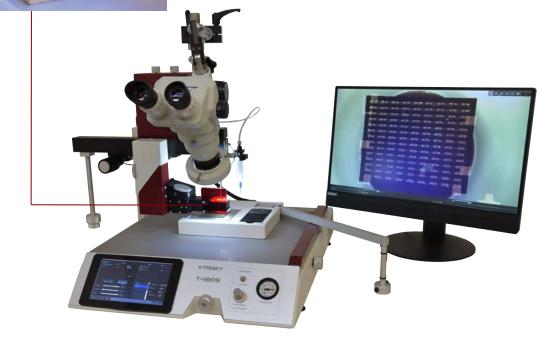
Tresky's **FLIP-CHIP ULTRA** module is a beam splitter optic assembly, which allows the simultaneous viewing of two objects by an optical overlay (superposition) on the monitor. The Flip-Chip optics has a built-in Ultra HD camera with digital magnification as well as integrated LED lights for optimal illumination of various substrates and components. In combination with the high magnification and the XY- fine positioning facility, high



accuracy alignment can be reached. The module is mounted on the Z-arm which allows movement and focus at various bonding heights. The software displays the overlayed image and is very easy to use.

TECHNICAL SPECIFICATION:

- 400x digital zoom Ultra HD camera
- Field of view 1,2 x 0.9mm 6,5 x 4.9mm
- Multi point alignment 30mm x 10mm
- LED illumination (up, down and coax)



TECHNICAL DATA

XY- Movement (placement stage): Z- Movement: Spindle Rotation: Bond Force: Placement accuracy: Flip-Chip Placement accuracy: Connections: Dimensions: Weight: Voltage: 180mm x 180mm (manual) 95mm (manual) 360° (unlimited) 20g - 1000g ±10μm (operator/process depending) ±5μm Option (operator/process depending) Compressed air 5 - 6 bar / Vacuum 0.6 bar (abs) 755mm x 730mm x 500mm 33kg 110V / 220V

TRESKY - SOLUTIONS FOR MICROELECTRONICS ASSEMBLY

Dr. Tresky AG offers manual and semi-manual Die Bonding solutions for small and medium sized electronics assembly facilities, laboratories and R&D.

As a solutions provider, we support specific applications with our highly accurate and innovative systems. Starting from manual to semi automatic, from adhesives to tools, exactly as per our customer's need. This is made possible by our extensive experience and modular setup which allows adapting various basic systems with an huge selction of options for new processes.

With almost 2000 devices installed across the world, often with special & customized equipment, we diligently work to fulfill complex process requirements. Supported by a fast, flexible and professional team ready to be tested, we look forward to your challenge!

We invite you to discover our range of Die Bonding solutions, tools and services.

Note: All specifications are subject to change without notice

Represented by

Headquaters

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