Tresky's **FLIP-CHIP ULTRA** module is a beam splitter optics, 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-Table Micro Positioning Facility, high accuracy alignment can be reached. Due the module is connected with the bonding head Z motion it can be used on any height (pick, place,...). The Flip-Chip Ultra module comes with PC and T-Suite Vision software. The software is easy to use, displays the overlaid image as well switches up to 3 cameras (inspection camera, proces camera, ...). Further features are:

- digital zoom
- measurement
- overlay pictures
- ...

**TECHNICAL SPECIFICATION:**

- 400x digital zoom Ultra HD camera
- Field of view 1.2mm – 6.5mm
- Multi point alignment 30mm x 10mm
- LED illumination (up, down and coax)

All systems of the T-4909 and T-3000 series can be upgraded with all types of Flip-Chip Ultra Optics.