



AUTOMATIC LINE

T-6000L

Customized Die Bonding Solutions
with Swiss Precision



The **T-6000L** Die Bonder is a fully-automated all-purpose system for R&D, pilot and medium size production.

Equipped with linear motors and 0.1 μ m resolution glass scales, enable a precision of 8 μ m.

A force range of 20g to 800g (optional 10g to 5kg), combined with the large working area of 400 x 315mm and wafer handling up to 8", open a wide range of applications. With numerous available options, the **T-6000L** can be customized to best suit your needs.

FEATURES AND OPTIONS FOR THE T-6000L

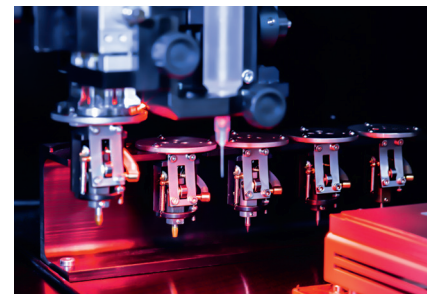
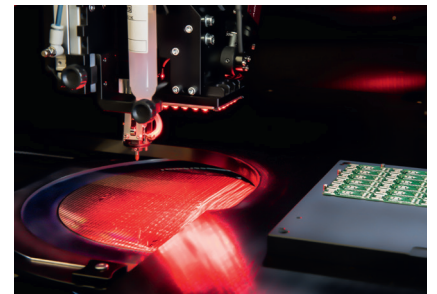
- Up looking camera
- Dispenser (Time/ Pressure or volumetric)
- Stamping unit
- Automatic tool changer (optional for heated tools)
- Eutectic bonding unit with protective gas chamber
- Customized substrate holders and fixtures available
- Wafer ring or wafer frame holders
- Automatic 3-D and force calibration
- Flux dipping station
- SMD feeder capability (8 and 12mm)

TECHNICAL DATA

XY-Movement (placement stage)	400mm x 315mm
XY-Movement (wafer stage)	220mm x 220mm
Z-Movement	100mm
Spindle Rotation	360° (200° with active force control and 100° with heated tools)
Bond Force (standard range)	15g - 800g (optional 15g to 5000g with active force control)
UPH	2000*
Placement accuracy	8µm @ 3Sigma*
Axis resolution	XYZ: 0.1µ, Theta: 0.02°
Min./ Max. component size	250µ/ 20mm**
Wafer Pickup	2" to 8"
Connections	Compressed dry air 6 bar / Vacuum 0.9 bar (abs) min. 4.5m³/min
Dimensions	1360mm x 995mm x 1690mm
Weight	720Kg (approx.)
Voltage	220V-260V, 50Hz, 2.3kW (10A), 1 phase
Environment	Room temp: 22°C, +/- 2°C
Humidity	50%, +/- 5%

* Process depending / ** Other dimensions on request

Note: All specifications are subject to change without notice



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