

# MODEL ATM-8200

## Full-Automatic Wafer Mounter

### Outline

The machine automatically mounts a wafer on a film frame as preliminary process for dicing. Foot print of this machine is the smallest in the world, and it's also available with thinner wafer (thickness:200  $\mu$  m/8 inches) by the use of chamber.

### Features

- Full automatic wafer mounter available with 4•5•6•8 inches (the smallest foot print in the world).
- Mount the wafer onto the tape in vacuum chamber will prevent from air bubbles, minimize the load of the pressing roller, and provide no damage to the wafer.
- The mounting table is non contact with wafer surface at all except around 3mm in its circumference, and wafer position fixing with no vacuum hole will provide no damage to the wafer.
- Tape lamination stage and wafer mounting stage is separated.  
It saves tape consumption and it's applicable to any dicing tape.
- Touch panel (flat operation panel) is easy to operated, and able to indicate troubled point.
- Non contact flat alignment (standard spec).

### Option

- ID reader & Barcode system without increasing foot print.
- Heater unit for wafer mounting
- Applicable to various communication system, i. e. SECS etc.
- Other

GaAs, GaP (including partial wafer), glass wafer and BGA substrate mounting is applicable with a sister machine.



| Specification                 |               | ATM-8200  |
|-------------------------------|---------------|---|
| Throughput                    |               | 95 wafer/h (Depend on data setting)   |
| Wafer Size                    |               | 4 inch, 5 inch, 6 inch, 8 inch  |
| Frame Size                    |               | 2—6—1, 2—8—1  |
| Tape Width                    |               | 6 inch: W 230mm, 8 inch: W 300mm  |
| Accuracy in Positioning Wafer |               | $\pm 0.5$ mm in X-Y direction and $\pm 0.5^\circ$ in $\theta$ angle (against frame) |
| Utilities                     | Power         | AC100V Single phase 50/60Hz 2.0KVA  |
|                               | Air           | Pressure 0.5Mpa 300NI/min   |
|                               | Vacuum source | Using venturi valve   |
| Dimensions                    |               | D 1,150 $\times$ W 1,326 $\times$ H 1,800mm   |
| Weight                        |               | 700kg   |

System appearance and specifications are subject to change without prior notice from the supplier.

313-1 Shindo-cho, Kashihara City, Nara, Japan 634-8580

Phone: +81 (0) 744-24-7670

Fax: +81 (0) 744-24-8352

URL <http://www.takatori-g.co.jp> E-mail [info@takatori-g.co.jp](mailto:info@takatori-g.co.jp)