Tokyo Seimitsu has introduced Japan’s first Wafer Dicing Machine, Model A-WA-75A in 1970 and tremendous contribution was made to success of Semiconductor industry with die separation process technology and its long term evolution with precession processing. Vast resource accumulated on Dicing Technology over four decades has enabled us to introduce next generation of Dicing machine, Model AD2000T with latest technology in FLUIDIC ENGINEERING, MECHATRONICS ENGINEERING and ENERGY CONSERVATION to lead the world with Dicing technology.
Main Features

1. Optimized spacing by utilizing all components and optional unit well within the compartment.
2. Standard Spindles up to 60,000 rpm.
3. Enhanced throughput:
   - 1: X axis 1,000 mm/sec, Y axis 300 mm/sec, and Z axis 80 mm/sec.
   - 2: Two Optical Cutter-Set units.
   - 3: The Worlds’ smallest blade-to-blade distance.
4. 17” LCD touch panel and new GUI.
   - GUI (Graphical User Interface) with simple layout and large touch-buttons allow users’ interactive operation.
5. Easy and simple Kerf check function.
   - (AI kerf check function)
6. Over 10,000 recipes storable.
7. USB port as standard.
   - (USB memory device can be used as external memory)
   - Wide maintenance door and front-side accessibility allows easy of routine maintenance.
   - Reduces 50 % of air consumption compared with existing model.

Specifications

- **Max. work size**: φ 200 mm
- **Max. number of frames**: 8 inch
- **Spindle**
  - Rotation: 60,000 min-1
  - Max. blade diameter: Ф58 mm (2-Inch)
  - Rated Output: 1.8 KW
- **X axis**
  - Available cutting range: 260 mm
  - Max. Speed: 1000 mm/sec
- **Y1/Y2 axes**
  - Available cutting range: 260 mm
  - Max. Speed: 300 mm/sec
- **Resolution**
  - 0.078 μm
  - Accuracy: 0.002 mm / 210 mm
- **Z1/Z2 axes**
  - Stroke: 34 mm
  - Resolution: 0.002 μm
  - Max. Speed: 80 mm/sec
  - Repeatability: 0.001 mm
- **θ axis**
  - Range of rotation: 380°
- **Misc**
  - Voltage: 3 Phase AC200 to 220V ±10 % (Transformer adoptable)
  - Power consumption: 6.0kVA (MAX)
  - Air pressure: 0.55 to 0.7 MPa
  - Avg. Air consumption: 210 L / min (0.55 MPa)
  - Cutting Water, and others (pressure): 0.3 to 0.5 MPa
  - Cutting Water, and others (Max Flow): Cutting Water: 10.0 L/min, Others: 3.6 L/min
  - Cooling Water (pressure): 0.3 to 0.5 MPa
  - Cooling Water (Max Flow): 3.4 L/min (0.3 MPa)
  - Exhaust: 5.0 m³/ min more
- **Size (W*D*H)**: 1080 mmX1190 mmX1900 mm
- **Weight**: 1100 kg

Notes: *Specifications of the Consumption, Cutting water and Cooling water are for AD2000T.
*All specifications above may be changed without notice.