

# SEMI-AUTOMATIC DICING SAW

# SS30

*New standard for semi-automatic dicers with enhanced operability*

## Footprint

Small footprint with highly stable structure

## Compliant with varieties of work

- 300mm wafer
- Alignment with multiple works attachment
- Deformed and elastic work alignment

## High-resolution microscope

Improved resolution

## User Friendly

Improved operability with the 17-inch touch panel screen



## Main Features

- 1 Accommodates various types of workpieces as standard option:
  - ① 12-inch frame
  - ② 300 \* 250mm workpiece
- 2 Standard Spindles up to 60,000rpm  
Option: High speed spindle 80,000rpm  
High power spindle 2.2kW(30,000rpm)
- 3 Enhanced throughput  
X axis 800mm/sec, Y axis 300mm/sec, and Z axis 80mm/sec
- 4 17" LCD touch panel and new 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 Stores over 10,000 recipes
- 7 USB port as standard option  
(USB memory device can be used as external memory)
- 8 Ease-of-maintenance  
Wide maintenance door and front-side accessibility allows easy routine maintenance
- 9 Optimized vacuum controller  
reduces 50% of air consumption compared with existing model



▲ New GUI

## Specifications

|                       |                                      |  |
|-----------------------|--------------------------------------|--|
| Max. work size        |                                      | Φ 12inch, □ 300x250mm                              |
| Max. number of frames |                                      | 12inch   |
| Spindle               | Rotation                             | 60,000 min-1                                       |
|                       | Max. blade diameter                  | Φ 60mm (2-Inch)                                    |
|                       | Rated Output                         | 1.8kW  |
| X axis                | Available cutting range              | 310mm  |
|                       | Max. Speed                           | 800mm/sec  |
| Y axis                | Available cutting range              | 310mm  |
|                       | Max. Speed                           | 300mm/sec  |
|                       | Accuracy                             | 0.002mm/310mm                                      |
| Z axis                | Stroke                               | 35mm   |
|                       | Max. Speed                           | 80mm/sec   |
|                       | Repeatability                        | 0.001mm  |
| θ axis                | Range of rotation                    | 380°   |
| Misc                  | Voltage                              | 3 Phase AC200~220V ±10%<br>(Transformer adoptable) |
|                       | Power consumption                    | 4.0 k VA (MAX)                                     |
|                       | Air pressure                         | 0.55~0.7MPa  |
|                       | Avg. Air consumption                 | 180L/min (0.55MPa)                                 |
|                       | Cutting Water, and others (pressure) | 0.3~0.5MPa   |
|                       | Cutting Water, and others (Max Flow) | 2.0L/min   |
|                       | Cooling Water (pressure)             | 0.3~0.5MPa   |
|                       | Cooling Water (Max Flow)             | 1.9L/min (0.3MPa)                                  |
| Exhaust               | 5m <sup>3</sup> /min more            |  |
| Size (W*D*H)          |                                      | 890mm×1,000mm×1,560mm                              |
| Weight                |                                      | 800kg  |

## Maintenance

Large access area is secured.

