

SEMI-AUTOMATIC DICING MACHINE

SS11

*World's smallest class semi-automatic dicing machine
Equipped with a high-performance, high-power spindle as standard equipment, it has the dicing capability in a wide range of applications from semiconductor devices to electronic components*

Smallest class and Fastest 6-inch dicing machine

Increased rigidity with servo motor for the XYZ axes
Small footprint combined with high throughput

Full support for high-precision dicing with standard specifications

Auto alignment as a standard function
Combination of a low/high magnification microscope, LED lighting, and a built-in image processing engine

Y-axis scale as a standard feature
High-precision indexing control is possible

High-performance, high-power spindle as standard equipment
(1.8 kW 60,000 rpm)
Suitable for machining a wide range of materials from Si to difficult-to-machine materials

Easy operation

17-inch touch panel with GUI (Graphical User Interface)
Easy and comfortable operation enabled by touching of iconized buttons



Main Features

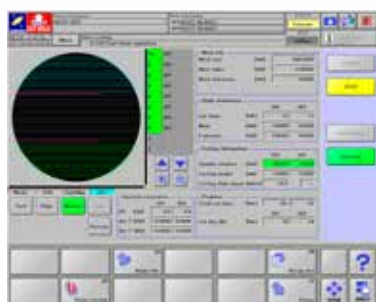
- 1 Corresponds to various types of workpieces as standard
- 2 Standard Spindles up to 60,000 rpm
- 3 Enhanced throughput
- 4 Easy and simple Kerf check function
- 5 Stores over 10,000 recipes
- 6 USB port as standard option
(USB memory device can be used as external memory)
- 7 Optimized vacuum controller
reduces 50% of air consumption compared with existing model

Specifications

Max. work size		Φ 6 inch, □ 152 mm
Max. number of frames		6 inch
Spindle	Rotation	60,000 min-1
	Max. blade diameter	Φ 60 mm (2-Inch)
	Rated Output	1.8 kW
X axis	Available cutting range	160 mm
	Max. Speed	750 mm/sec
Y axis	Available cutting range	162 mm
	Max. Speed	200 mm/sec
	Accuracy	0.002 mm / 162 mm
Z axis	Stroke	35 mm
	Max. Speed	80 mm/sec
	Repeatability	0.001 mm
θ axis	Range of rotation	320°
Misc	Voltage	3 Phase AC200 to 220 V ±10 % (Transformer adoptable)
	Power consumption	4.0 kVA (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)	2.0 L/min
	Cooling Water (pressure)	0.3 to 0.5 MPa
	Cooling Water (Max Flow)	1.9 L/min (0.3MPa)
Exhaust	3 m ³ /min more	
Size (W*D*H)		495 mm×880 mm×1715 mm
Weight		389 kg

Operability

17-inch LCD touch panel and GUI
GUI (Graphical User Interface) with
simple layout and large touch-buttons
allow users' interactive operation.



▲ GUI

