SEMI-AUTOMATIC DICING SAW

SS20

New standard for semi-automatic dicers with enhanced operability

Footprint

Small footprint with highly stable structure

Compliant with large wafers

250mm square work size as a standard feature ※

High-resolution microscope

Improved resolution

User Friendly

Improved operability with the 17-inch touch panel screen
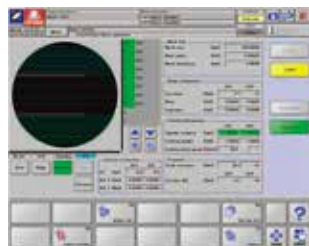
※: Max. work size □250mm

ECOdesign

Main Features

1 Accommodates various types of workpieces as standard option:
① 12-inch frame
② 250 * 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

▲ New GUI

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

Specifications

Max. work size		Φ 8inch, □ 250mm
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	260mm
	Max. Speed	800mm/sec
Y axis	Available cutting range	260mm
	Max. Speed	300mm/sec
	Accuracy	0.002mm/260mm
Z axis	Stroke	35mm
	Max. Speed	80mm/sec
	Repeatability	0.001mm
θ axis	Range of rotation	380°
Misc	Voltage	3 Phase AC200～220V ±10% (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	5㎥/min more
Size (W*D*H)		890mm×1,000mm×1,560mm
Weight		792kg

Maintenance

Large access area is secured.