

SEMI-AUTOMATIC DICING MACHINE

SS20 PLUS

*"High rigidity and High torque spindle as standard
Accommodates to the dicing of a variety of materials from
wide substrate to hard-to-cut-materials such as a glass,
ceramics."*

Footprint

Small footprint with
highly stable structure

Compliant with varieties of work

- ☐ 250 mm
- Alignment with multiple
works attachment
- Deformed and elastic
work alignment

High-resolution microscope

Improved resolution

High torque spindle as standard

High rated torque 0.8 Nm

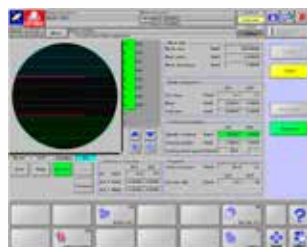
User Friendly

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: □ 250 mm
- 2 High torque spindle as standard
- 3 Enhanced throughput
- 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 8inch, □ 250 mm
Max. number of frames		12 inch
Spindle	Rotation	5,000 to 30,000 min ⁻¹ (In case of 3 inch blade)
	blade diameter	Φ 3 to Φ 4 inch (Φ76 to Φ110mm) or Φ 4 to Φ 5 inch (Φ90 to Φ130mm)
	Rated Output	2.5 kW
X axis	Available cutting range	260 mm
	Max. Speed	800 mm/sec
Y axis	Available cutting range	260 mm
	Max. Speed	300 mm/sec
	Accuracy	0.002 mm / 260 mm
Z axis	Stroke	35 mm
	Max. Speed	80 mm/sec
	Repeatability	0.001 mm
θ axis	Range of rotation	380°
Misc	Voltage	3 Phase AC200 to 220 V ±10 % (Transformer adoptable)
	Power consumption	4.0 kVA(MAX)
	Air pressure	0.55 to 0.7MPa
	Avg. Air consumption	220 L/min(0.55 MPa)
	Cutting Water, and others (pressure)	0.3 to 0.5 MPa
	Cutting Water, and others (Max Flow)	4.0 L/min
	Cooling Water (pressure)	0.3 to 0.5 MPa
	Cooling Water (Max Flow)	2.9 L/min(0.3 MPa)
Exhaust		5 m ³ /min more
Size (W*D*H)		890 mm×1,090 mm×1,625 mm
Weight		832 kg

Maintenance

Large access area is secured.

