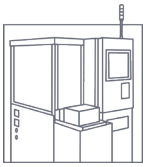

Dicing Saws

6-inch Automatic Single Spindle Dicing Saw

6110

6110 is a high accuracy and high performance automatic machine with single spindle. The footprint is extremely small. 6110 provides efficient and low cost cutting experience with a newly designed operating system.

Machine features

- The standard configuration is a 2.2kW high speed spindle (torque: 0.42N · m, maximum rotation speed: 60,000rpm)
- Equipped with a 17-inch large-screen LCD touchscreen, featuring a user-friendly operating interface
- The θ axis has the high rotation accuracy and rotation resolution driven by a DD motor
- Fragment shape recognition feature
- It is a highly practical equipment capable of precision cutting of silicon wafers, PCB boards, ceramics, and other materials. The equipment has a small footprint, which helps to save operating costs

Maximum Workpiece Size		∅150 mm
X-axis	Cutting Range	160 mm
	Feed Rate Input Range	0.1~600 mm/s
Y-axis	Cutting Range	162 mm
	Single Step (Resolution)	0.1 μm
	Cumulative Accuracy	⩽ 4μm / 160 mm
	Indexing Accuracy	⩽ 2μm / 5mm
Z-axis	Maximum Stroke	30 mm
	Movement Resolution	0.1 μm
	Repeatability Accuracy	1.0 μm
θ-axis	Maximum Rotation Angle	320°
Spindle	Spindle Type	Single Spindle
	Rated Torque	0.42 N·m (2.2kW)
	Maximum Rotational Speed	60000rpm
Blade Size		2"
Facilities	Electrical	220VAC, 50 / 60Hz, Single-phase
	Air	⩾200 L/min
	Spindle Coolant Flow Rate	⩾2/min (@0.3 Mpa)
	Cutting Coolant Flow Rate	⩾5L/min
Dimensions		490 × 1100 × 1750 (mm)
Weight		Approx. 500 kg

Wettable QFN Dicing Saw

80WT

For Wettable Flank Process

Machine features

- Designed for precise Shallow cut Wettable QFN dicing. The 80WT performs perfect grooving operation with constant depth of cut and groove shape, on an uneven surface of the substrate
- Confocal sensor
- Loading up to 4 QFN magazinesTapeless process
- Automatic loading 2 QFN panels (can support single panel)
- Brush deburring

Workpiece Size		up to 12"×12" Square
Spindle		Two facing 1.8 kW or 2.2 kW, max. 60,000 rpm
Blade Size		2"~3"
Y1 / Y2 Axis	Control	Linear encoder for each Y axis
	Resolution	0.1 μm
	Cumulative Accuracy	1.5 μm
	Indexing Accuracy	1.0 μm
	Cutting Range	350 mm
X Axis		Air Slide
Z1 / Z2 Axis	Resolution	0.2 μm
	Repeatability	1.0 μm
	Max. Stroke	50 mm (2.188" Blade outer diameter)
θ Axis	Repeatability	4 arc-sec
	Stroke	380°
Cleaning Station		Cleaning and drying
	Spinning speed	100 - 3000 rpm
	Cleaning Method	Atomized cleaning capabilities
Electrical		200-240VAC, 50/60 Hz, single phase
Dimensions		1145×1687 ×1830 (mm)
Weight		1500kg