



## Dicing Saws | Fully Automatic

# FULLY AUTOMATIC TWIN SPINDLE DICING SAWS

## 8020

8" silicon wafer dicing saw or other material such as Glass, SiC and more



### Features & Benefits

- Flexibility – Supports Hub and Hubless blades up to 3" O.D.
- Spindles of 1.8 kW or 2.2 kW high power
- Intuitive operation interface using a large 19" touch screen monitor
- Fast & simple blade change
- SECS / GEM platform ready

<b>Workpiece Size</b>	Ø 8"	
<b>Spindle</b>	Two facing 1.8 kW or 2.2 kW, max. 60,000 rpm	
<b>Blade Size</b>	2" – 3"	
<b>Y1 / Y2 Axis</b>	Control	Linear encoder for each Y axis
	Resolution	0.1 µm
	Cumulative Accuracy	1.5 µm
	Indexing Accuracy	1.0 µm
	Cutting Range	210 mm
<b>X Axis</b>	Air Slide	
<b>Z1 / Z2 Axis</b>	Resolution	0.2 µm
	Repeatability	1.0 µm
	Max. Stroke	30 mm (for 2.188" blade OD)
<b>Ø Axis</b>	Repeatability	4 arc-sec
	Stroke	380°
<b>Cleaning Station</b>	Spinning speed	Full rinse and dry cycle 100-3,000 rpm
	Cleaning Method	Atomized cleaning capabilities
<b>Utilities</b>	Electrical	200-240 VAC, 50/60 Hz, single phase
<b>Dimensions</b>	(W x D x H) mm	1820 x 1460 x 1015
	Weight	1,300kg

### Materials:

Silicon wafers / discrete devices | Silicon carbide (SiC)  
MEMS | SAW devices | Glass wafer | Packaging (QFN, LED...)

## 80WT

For Wettable Flank Process



### Features & Benefits

- 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 magazines Tapeless process
- Automatic loading 2 QFN panels (can support single panel)
- Brush deburring

<b>Workpiece Size</b>	up to 12" X 12" Square	
<b>Spindle</b>	Two facing 1.8 kW or 2.2 kW, max. 60,000 rpm	
<b>Confocal sensor</b>	Accuracy ±15 µm	
<b>Blade Size</b>	2" – 3"	
<b>Y1 / Y2 Axis</b>	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
<b>X Axis</b>	Air Slide	
<b>Z1 / Z2 Axis</b>	Resolution	0.2 µm
	Repeatability	1.0 µm
	Max. Stroke	50 mm (for 2.188" blade OD)
<b>Ø Axis</b>	Repeatability	4 arc-sec
	Stroke	380°
<b>Cleaning Station</b>	Spinning speed	Full rinse and dry cycle 100-3,000 rpm
	Cleaning Method	Atomized cleaning capabilities
<b>Utilities</b>	Electrical	200-240 VAC, 50/60 Hz, single phase
<b>Dimensions</b>	(W x D x H) mm	1145 x 1687 x 1830
	Weight	1,500kg

### Materials:

QFN