



Dicing Saws

Peripherals

8020 Series

Fully Automatic Twin Dicing System

ADT 8020 Dicing Saw has two facing spindles that can simultaneously dice wafers at high throughput. ADT 8020 is a high accuracy system that can dice product up to 8" in diameter, at high performances and low cost of operation.



Configuration

- Spindle: 2"-3"
- Workpiece size: 8"

Features and Benefits

- Flexibility Supports Hub and Hubless blades up to 3".O.D
- Spindles of 1.8 kW or 2.2 kW high power (for challenging applications)
- Superior vision system with continuous zoom magnification
- Intuitive operation interface using a large 19" touch screen monitor

Ease of Use

The 8020 operates with the ADT intuitive New graphic User Interface (NUI), and includes two touch-screens: a 19" monitor for the main screen and a 17" monitor maintenance screen. The maintenance screen assist with performing system setup procedures, blade change and some basic maintenance operations.

Other Key Features of Importance

- Highest Dicing Process Speeds Lowest Cost
- Air bearing feed axis (X)
- Fast automatic alignment and cut positioning for increased throughput
- Automatic Kerf inspection and guality analysis for maximum precision
- Process data logging and statistical analysis
- Fast & Simple Blade Change with a locking spindle shaft
- SECS / GEM platform ready
- Full access to any area of the system for easy maintenance access

Leading Applications

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



8020 Series Fully Automatic Twin Dicing System

Specifications

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Options Multilanguage support Win 10 OS Options BBD (Broken Blade Detector) High power spindle up to 2.2KW at 60 KRPM Barcode reader UV station USB3 camera with Continuous Digital Magnification from x70 to x290 Dress station Dress cassette ESD Kit High Definition Optics Geometric Model Finder (GMF) Dicing Floor Management (SECS/GEM) Customization Utilities: Electrical Air Spindle Coolant (per spindle) Cutting water (per spindle) Up to 3 L/min 200-240 VAC, 50/60 Hz, single phase 500 L/min @ 5.5 bar 1.1 L/min Up to 3 L/min Dimensions: WxDxH Weight 1015 mm x 1460 mm x 1820 mm 1300 kg Fervironmental Room Temperature: 20°C to 25°C ± 1°C (77°F ± 1.8°F) Humidity: Less than 70% relative humidity (non-condensing) Cutting water / Spindle Water, Temperature ± 1°C (± 1.8°F)	User Interface	2 touch screens: 19" monitor as main screen and 17" monitor for maintenance
Multilanguage support Win 10 QS BBD (Broken Blade Detector) High power spindle up to 2.2kW at 60 KRPM Barcode reader UV station USB3 camera with Continuous Digital Magnification from x70 to x290 Dress station Dress cassette ESD Kit High Definition Optics Geometric Model Finder (GMF) Direing Floor Management (SECS/GEM) Customization Utilities: Electrical Air Spindle Coolant (per spindle) Up to 3 L/min Dinensions: VXDXH Woth Weight 1015 mm x 1460 mm x 1820 mm 1300 kg Room Temperature: 20°C to 25°C ± 1°C (77°F ± 1.8°F) Humidity: Less than 70% relative humidity (non-condensing) Cutting water / Spindle Water, Temperature ± 1°C (± 1.8°F)		NUI (New Graphic User Interface)
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Cutting water / Spindle Water, Temperature ± 1°C (± 1.8°F)		
Cutting water / Spindle Water, Temperature \pm 1°C (\pm 1.8°F)	Environmental	
Floor must be vibration free	Livisofficita	Cutting water / Spindle Water, Temperature ± 1°C (± 1.8°F)
		Floor must be vibration free

Note: Specifications are subject to change without notice.



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