

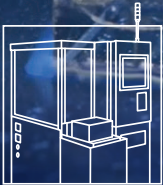
Saws



Blades



Peripherals



ADT solutions for dicing hard materials

FULLY AUTOMATIC DICING SAW

7304

4" Spindle

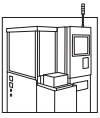
Hard material dicing such as glass, ceramic and more



Features & Benefits

- Support 4"-5" blade O.D.
- Internal air flow management minimizing product contamination
- Multi panel dicing
- 'X' axis air bearing for smooth motion and super cut quality
- Automation with high resolution optics
- Custom process solution
- UV LED curing system
- Exhaust impeller
- Height Measuring Tool (HMT)
- Bar code reader (Internal or external)
- SECS GEM communication protocol

| | | |
|-------------------------|---------------------|---|
| Workpiece Size | 9" X 12" | |
| Spindle | 30K rpm / 2.5 kW | |
| Blade Size | 4" - 5" | |
| Y Axis | Control | Linear encoder |
| | Resolution | 0.1 µm |
| | Cumulative Accuracy | 1.5 µm |
| | Indexing Accuracy | 1.0 µm |
| X Axis | Air Slide | |
| Z Axis | Resolution | 0.2 µm |
| | Repeatability | 1.0 µm |
| θ Axis | Repeatability | 4 arc-sec |
| | Stroke | 380° |
| Cleaning Station | Spinning speed | Full rinse and dry cycle 100-2,000 rpm |
| | CleaningMethod | Atomized cleaning capabilities |
| Utilities | Electrical | 200-240 VAC, 50/60 Hz, single phase |
| Dimensions | (W x D x H) mm | 1100 x 1785 x 1700 |
| | Weight | 1,350kg |



Additional solutions for dicing glass

FULLY AUTOMATIC DICING SAWS

7222

2" Spindle

8" silicon wafer dicing saw or other material such as PZT, IR glass and more



Features & Benefits

- Efficient wafer handling system
- Continuous digital magnifications vision system
- Blade wear prediction algorithm reduces height measurement time and increases UPH
- Atomized wafer cleaning technology for superior process results

7224

4" Spindle

Hard material dicing such as glass and ceramic



Features & Benefits

- Efficient wafer handling system
- Continuous digital magnifications vision system
- Blade wear prediction algorithm reduces height measurement time and increases UPH
- Atomized wafer cleaning technology for superior process results



AUTOMATIC DICING SAWS

7122

2" Spindle

Most flexible system



Features & Benefits

- Support 2"-3" blade O.D.
- 'X' axis air bearing for smooth motion and super cut quality
- Automation with high resolution optics
- Multi panel dicing
- Custom process solution
- Fast & simple blade change with a locking spindle shaft

7124

4" Spindle

For thick and hard material



Features & Benefits

- Support 4"-5" blade O.D.
- with large 'Z' stroke
- 'X' axis air bearing for smooth motion and super cut quality
- Automation with high resolution optics
- Custom process solution

