

## A Comprehensive Dicing Saw for Hard Material with 30mm Cut Depth

- Heavy duty cutting using high power spindle
- Automation
- Enhanced Productivity
- High Flexibility
- Advanced Process Capabilities

### Features and Benefits

- Dice up to 30mm thick product
- Spindles of 2.5 KW high power using 5" blade OD
- Large Z clearance
- Microscope with high Depth of focus (DOF)

### Other Key Features of Importance

- Highest Dicing Process Speeds
- Air bearing feed axis (X)
- Automatic Kerf inspection and quality analysis for maximum precision
- Process data logging and statistical analysis
- Fast & Simple Blade Change
- SECS GEM platform ready
- Full access to any area of the system for easy maintenance access
- Low cost of ownership
- Small foot print

### Ease of Use

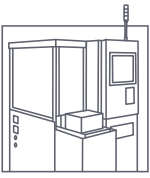
The 7152 operates with the ADT intuitive New Graphic User Interface (NGUI) and includes two touch - screens: 19" monitor for the main screen and 17" monitor maintenance screen.

### Leading Market Segments

- Sonar
- Medical
- Optical

### Leading Applications

- PZT
- Crystal
- Glass
- Ceramic



# 7152 Dicing Saw for Heavy Duty Deep-cut Processing

## Specifications

<b>Workpiece Size</b>	Up to 200 mm X 200 mm, ø 200 mm
<b>Spindle</b>	Air-bearing, DC-brushless 30,000 rpm / 2.5 KW
<b>Blade Size</b>	4.2" - 5"
<b>Y Axis:</b>	
Drive	Ball bearing lead screw with stepper motor
Control	Linear encoder
Resolution	0.1 µm
Cumulative Accuracy	±1.5 µm
Indexing Accuracy	1.0 µm
<b>X Axis:</b>	Air Slide
Drive	Ball bearing lead screw with DC-brushless motor
Feed rate	Up to 600 mm/sec
<b>Z Axis:</b>	
Drive	Ball bearing lead screw with stepper motor
Control	Rotary encoder
Resolution	0.2 µm
Accuracy	2.0 µm
Repeatability	1.0 µm
Stroke	50 mm
Z Linear Encoder	Optional
30 mm Z Clearance	Standard
<b>θ Axis:</b>	
Drive	Closed-loop, Direct-drive DC brushless
Accuracy	4 arc-sec
Repeatability	4 arc-sec
Stroke	380°
<b>Vision System</b>	Digital camera, High bright LED illumination (vertical & oblique) X30 or X60
<b>Utilities:</b>	
Electrical	200-240 VAC, 50/60 Hz, single phase
Air	260 L/min @ 5.5 bar
Spindle Coolant	1.1 L/min tap water
Cutting water	Up to 3 L/min
<b>Dimensions:</b>	
WxDxH	965 mm x 1300 mm x 1600 mm
<b>Weight</b>	900 kg
<b>Environmental:</b>	
Temperature	Typical room temperature: 20°C - 25°C
Humidity	< 70% (relative, non-condensing)
Floor	Floor must be vibration free

Note: Specifications are subject to change without notice.

Ver. 06/24

