

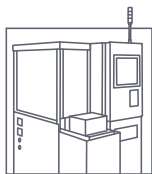
Dicing Saws



Dicing Blades



Peripherals

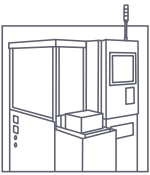


## 73xx Series



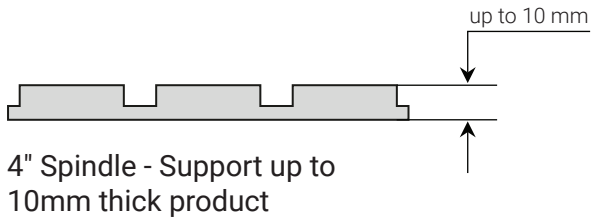
The perfect  
choice  
for hard  
materials  
dicing





# 7304

The Only Fully Automatic 4" Single Spindle Worldwide

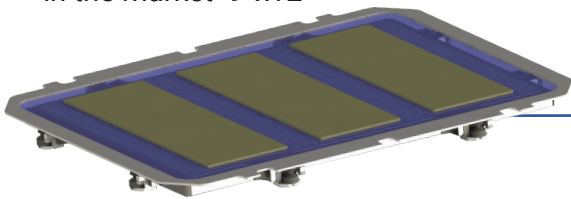


4" Spindle - Support up to 10mm thick product

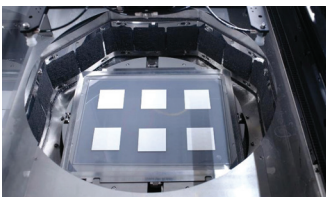
Support up to 5" blade O.D.



The largest square chuck in the market 9"x12"



High power 4" spindle up to 2.5KW



Large Cleaning Station for 9" X 12" Frames



Blade preparations using automatic 75mm x 75mm dressing station



## 73xx Range



### 7304

Support 4"-5"  
blade O.D.



### 7302

Support 2"-3"  
blade O.D.

## Features

- Internal air flow management minimizing product contamination
- 'X' axis air bearing for smooth motion and super cut quality
- Automation with high resolution optics
- Multi panel dicing

## Leading Applications

- Glass
- Ceramc
- PZT
- PCB
- Alumina
- More

## Configuration

- Spindle: 2"-3" / 4" - 5"
- Workpiece size: up to 9" by 12"

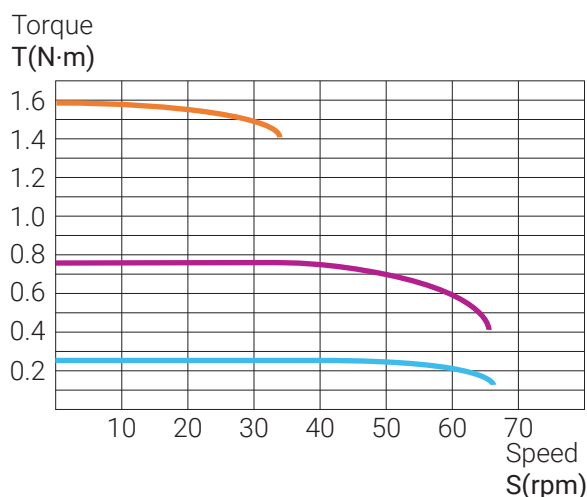
## Options

- UV LED curing system
- Broken blade detector (for 2" spindle)
- Exhaust impeller
- High power 2" spindle up to 2.2KW
- Height Measuring Tool (HMT)
- ESD kit
- UPS
- Bar code reader (internal or external)
- SECS GEM communication protocol

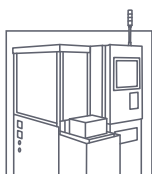
## 73xx Spindle Option



Spindle	2"		4"
	Std	HP	
Power (KW)	1.8	2.2	2.5
Max Speed (Krpm)	60	60	30
Blade O.D.	2"-3"	2"-3"	4"-5"







# 73xx Series

## Specifications

<b>Workpiece Size</b>	Up to 9" by 12"
<b>Spindle</b>	1.8 KW
<b>Blade Size</b>	2" - 3" / 4" - 5"
<b>Y1 / Y2 Axis:</b> Drive Control Resolution Cumulative Accuracy Indexing Accuracy Cutting range	Ball bearing lead screw Linear encoder for each Y axis 0.1 µm 1.5 µm 1.0 µm 350 mm
<b>X Axis:</b> Drive Feed rate Cutting range	Air Slide Ball bearing lead screw Up to 600 mm/sec 310 mm
<b>Z1 / Z2 Axis:</b> Drive Resolution Repeatability Max. stroke	Ball bearing lead screw 0.2 µm 1.0 µm 50 mm (for 2.188" blade OD)
<b>θ Axis:</b> Drive Repeatability Stroke	Closed-loop, Direct-drive 4 arc-sec 380°
<b>Vision System</b>	USB3 camera, High bright LED illumination (vertical & oblique)
<b>Cleaning Station:</b> Spinning speed Cleaning Method	Full rinse and dry cycle 100-3,000 rpm Atomized cleaning capabilities
<b>Wafer Handling system</b>	Slot to slot integrity
<b>Standard Features</b>	Automatic alignment Automatic Cut verify Automatic Kerf inspection Automatic Y offset correction
<b>Utilities:</b> Electrical Air Spindle Coolant (per spindle) Cutting water (per spindle)	200-240 VAC, 50/60 Hz, single phase 700 L/min @ 5.5 bar 1.1 L/min Up to 7 L/min
<b>Dimensions:</b> WxDxH Weight	1100mm x 1785mm x 1700mm 1350 kg
<b>Environmental</b>	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) Floor must be vibration free