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# Precision Dicing Saw

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## *Precision Dicing and Cutting Saw .....*

Based on precision CNC milling machine design, this saw can be used for dicing or cutting all kinds of materials up to 8" in length x 4" width, and 1" deep.

### FEATURES

- ✦ 1/2 HP high torque DC motor with variable speed up to 3000 rpm
- ✦ Power input 110 to 240 VAC
- ✦ X,Y and Z three dimensions linear motion up to X= 5", Y=12" and Z = 4"
- ✦ CNC controlled step motor with 0.0025 mm moving resolution and 0.01 mm position accuracy
- ✦ User friendly software allow you cutting or dicing automatically via Windows based PC
- ✦ A precision 100 mm dia. sample stage with two angle adjustable in 360 deg rotating, and 15 deg tilting, as well as a small vise, are ready for cutting material in a desired orientation
- ✦ One 4" dia x 0.3 mm thick sintered diamond wheel
- ✦ Two sets of flanges with 90 mm dia. (for dicing) and 40 mm dia (for deep cutting)
- ✦ Assemblies of Water jetting, draining, splashing protection Include



### Standard Package

- A cutting machines with a spindle motor and three step motors
- Three-axis step motor drive with cables (Computer not included)
- One set of sample holding materials (1ea)
  - 4"dia x 1/4" thick glass plate
  - 2" x 2" x 0.5" graphite plate
  - 2" x 0.5" x 1/16" Aluminum plate, and
  - crystal wax
- Base dimension of 400 x 400mm
- Shipping weight 135 lbs (62Kgs)

### Optional Accessories

- 4" dia. vacuum chuck for wafer holding
- Adhesive film for wafer dicing without wax
- Immersion water pumps for coolant circulating without tap water
- Sintered diamond blade (3" x 0.2 mm or 4" x 0.3 mm)



**4" dia Vacuum Chuck**



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