

## DICING MACHINE LAYOUT(SEMES9000)



**SEMES Pre-align loader**  
 • Origin: Korea

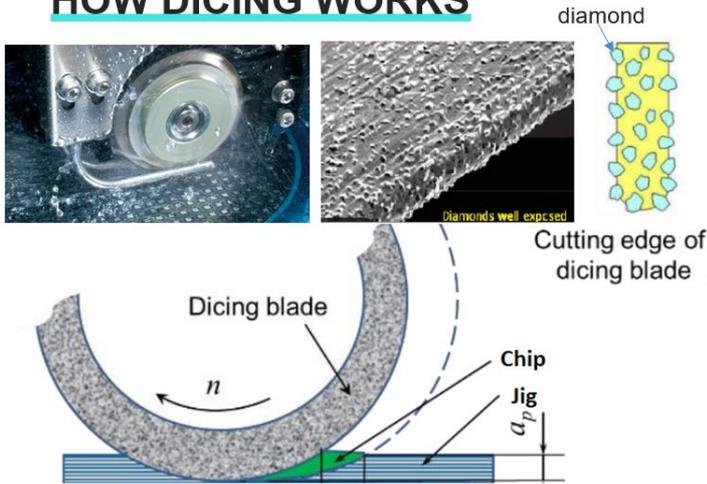
**Disco Dicing**  
 • Origin: Japan  
 • Model: DFD6361  
 • Dimension (WxDxH): 1200x1550x1800mm

**SEMES Sorter SW9000U**  
 • Origin: Korea  
 • Model: SW9000  
 • Dimension (WxDxH): 3743x1800x1877mm

1. SEMES Pre-align loader: Align QP position and adjust thus can put on Disco cut table correct position
2. Disco Dicing machine - To align cut QP to Units.
3. Semes Sorter - To Pick & Place units into Jedec tray output based on incoming QP mapping (Mapping means SEMES download each QP MES QP mapping which have marked Good or NG by).

SEMES 9000 series Capability  
 QP length : 100-310mm  
 QP width: 100-310mm  
 Unit Size : 10-150mm  
 Unit size tolerance(+/-): 0.035mm  
 Flange accuracy:  $\leq 0.002$ mm  
 Panel thickness: 0.1-3mm

## HOW DICING WORKS



- Sawing mechanism
  - The blade grind or chip away the surface of the material at micro level in high rotation speed by using the expose **diamond** on the blade.

## PANEL ALIGNMENT & CUT PROCESS

- 2CH Panel Alignment for cutting process to define where is the cutting line at X & Y direction.

