



**IDM 1000 Inline Dicing Machine**

Providing the link to automated End of Line processing, the **IDM1000** inline PCBA dicing system complete with board handling.

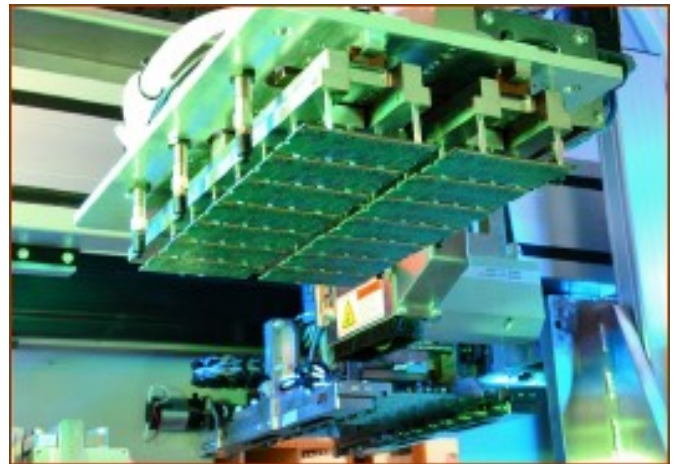
The Getech **IDM** dicing machine is your solution to the fastest way to depaneling PCB.

The **IDM** fitted with a simple fixturing system, coupled to a flexible X & Y pick and place board handling facility for further End Of Line (EOL) operations, is the ultimate choice to deliver unrivaled performance in speed, accuracy and throughput.



**FEATURES:**

- Extremely High dicing speeds up to 200 mm/sec
- Positioning speeds up to 1000 mm/sec
- High resolution Rotary fixture table for 360° precision alignment and dicing
- P&P arm to transfer de-panelized board to further automated EOL operations
- Gripper PCB pick & place
- CE Certification



**SPECIFICATIONS**

**Dicing capability**

Non dicing speed	: 1000 mm/sec
Repeatability	: +/- 0.1 mm
Dicing speed	: 200 mm/sec max

**Manipulator**

Configuration	: X,Y, Z & W
Manipulator Motors	: 7 axis AC brushless servo motors
Manipulator Repeatability	: ±0.016mm (Φ±5sec)





## Workstation

Board Positioning : Single workstation with dedicated gripper or fixture  
 Panel Location : Located by tooling holes or edges of PCB  
 Loading : Inline, "left to right" loading from conveyor  
 Unloading : Unloading with pick and place arm  
 Panel Size (mm) : 300 x 200  
 Panel Thickness : 0.5 – 20.

## Pick and Place board handler

Pick up : Dedicated fixture with anti static vacuum pick up nozzles (Optional gripper fixture)  
 Axis Configuration : E, F and G axis

## Spindle System

Spindle motor : 0.8kW spindle with ESD Ceramic bearings  
 Tool Change : Manual tool change  
 Saw size : 76mm diameter  
 Saw thickness : 0.3 to 1.0 mm

## Dust filtration system

Power : 4.0 kW rotary vane  
 Filtration : 3 stage filter with disposable filter bag (10 micron)

## Vision system

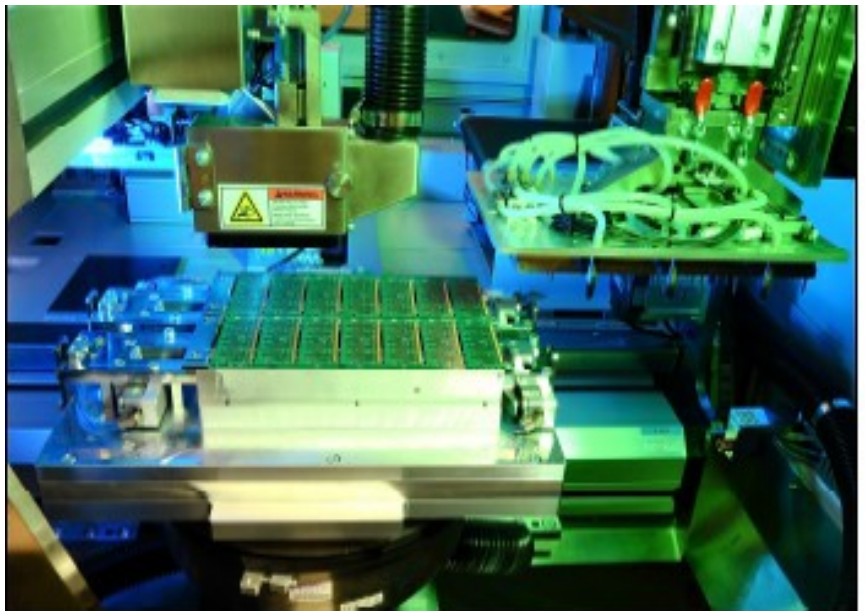
Video camera : High resolution CCD video camera,  
 : PCB Fiducial capturing (Optional)

## MACHINE DIMENSIONS & UTILITIES

Machine size : 1.25 M x 1.5M x 1.75M  
 Weight : 1300kg  
 Power Supply : (options available)

## OPTIONS

- Bar code support: 1D or 2D
- Programmable Conveyor Width adjustment
- Fiducial alignment



ISO 9001:2008 CERT NO.: 622220

Local Agent: