

Model DA-3020

Die Bonder / Sorter

DA-3020

Featuring:

- Pick & Place System with Rotary Pick-up Tool
- Capable to pick from Wafer or Tray
- Powerful Wafer Map processing software
- Flexible Epoxy Dispensing Configuration
- Flexible Output Configuration
- High performance Vision & Pattern Recognition Systems
- Optional bottom view CCTV for post pick inspection
- Programmable parameters for process and motion controls
- "Windows" based GUI user interface
- Stand-alone or in-line configuration



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Basic Specifications:

- System performance
 - Die Size 8 - 600 mils (0.20 - 15 mm)
 - Placement Accuracy +/- 2 mil (+/-50 um) - XY
+/- 2 deg - angular
 - Cycle Time 0.6-0.8 sec
- Rotary Pick & Place Head
 - P&P Travels 5"-9" (125-225 mm)
 - Theta +/- 100 deg
 - Maximum Z Travel 1.2" (30 mm)
- Input Wafer/Tray Table
 - Max. XY Travel 8.5"x8.5" (216x216 mm)
- Output Module
 - XY Table 8" x6" (200x150mm) - standard
14"x6" (150x150mm) - optional
 - Magazine Elevator (optional)
 - Z-Travel 10" (250mm)
 - Pitch & Levels programmable
- CCTV & Pattern Recognition System
 - Camera & Lighting CCD with LED Lite
 - Imaging 256 Grey Scale
 - Resolution 1/4 Pixel
- User Interface
 - Display Screen 15" SVGA Color
 - Input Device PC Track Ball and Keypad
 - Permanent Storages Min. 40 GB HDD
- Utility, Size and Weight
 - Power 220V/110V, 2000 Watts
 - Compressed Air 70 PSI
 - Dimension (without input/output attachment) 48"(W)x46"(D)x59"(H)
1219mm(W)x1168mm(D)x1500mm(H)
 - Weight 1200 Kg

Available Optional Features and Modules

Epoxy Dispensing system

- Transfer Stamp Type
- Shower Needle Type
- Pen Writing Type

Additional CCTV for inspection

- Bottom View post-pick CCTV
- Top View post-attach CCTV

Input Module

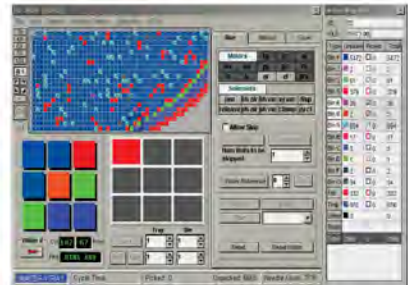
- Wafer on Frame/Ring
- Waffle Trays
- Auto Wafer Loader
- Carrier Tape

Output Module

- Large Placement Area XY Table
- Magazine to Magazine Handler
- Stack to Magazine Handler
- Reel to Reel Handler
- Output Curing Oven



Rotary Pick & Place Head



GUI Display of Menu and Map



Epoxy Stamp System & Output Magazine Feeder

DA-3020

Headquarters & Factory

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