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BTC -Machines Wafer Packing Machine



Confidential



- SECS I (SEMI-E4).
 - RS-232 serial connect to Host
- HSMS (SEMI-E37).
 - TCP/IP network to Host
- SECS II (SEMI-E5) messages standard.
- GEM (SEMI-E30) Compliance.
- PC Based control on Window 2000 OS.
- MMI
 - English and Chinese Language selectable.
 - 17" LCD with Keyboard and mouse.
 - Receipt Control.
 - Error Reporting.
 - Lot Management
- Network
 - SECS/GEM (Optional)
- Uptime : 98%
- MCBF > 5000 load/unload cycle
- MTTR < 8 Hours
- UPH : 93 Wafers to 250 wafers
(Depend on # features enable)
- Conversion : No conversion needed.



Specifications

- Wafer Sizes & Thickness
 - 8" wafers – Thickness of 15 mils min.
 - 12" wafers – Thickness of 15 mils min.
- Throughput
 - 80 to 250 wafer per hours.(Depending on number of features enable).
- Features
 - FOSB Cassette to FOUP Cassette Transfer.
 - Jig/Canister to FOSB/FOUP Cassette & Vice Versa.
 - Paper & Foam Separation.
- 180 Deg Tilt to have a Macro Visual inspection.
 - Active and Non Active side.
- Asyst IsoPort capability.
- OCR & Notch Aligner.
- Fully automated system to Transfer Bare wafers 8" and 12" wafers.
- Hands free solution to transfer and pack Wafers.
- Modular Design for future expansion.
- Automated Macro inspection of the wafers capability (180 Deg Tilt).
- High Throughput 80 To 250 wafer per hour (depends on process)
- Dual Robotic Arm Handling For Wafers
- No conversion kit switch from 8" and 12", vice versa.
- Statistical Process Control With Parameter On Display
- Class 100 cleanliness.
- Incorporated Functions like Sort, Merge, Split ,
(Lot Integrity using OCR reader)
- Size – 2050 mm (L) x 2150 mm (W) x 1960 mm (H)



Package Type

Size : 5" 6" & 8" Bare wafers.

Thickness: 6 mils (Thin wafers) to 8.5 mils & above (Thick wafers).

Compact Footprint

1300 (L) X 1000 (W) X 1,990(H) mm. **(Incl Tower Lamp)**

Input/Output Media

Canister, Jar, Wacker Box, Cassette.

Cassette, Canister , Jar ,Wacker Box.

- PC Control
 - Multi Tasking and Threading.
 - High Level Language.
- PC MMI (Man-Machine Interface)
 - Operating System based on Windows 2000.
 - Graphical Interface with Menu and Icon driven.
 - Password Access Management.
- Single LCD Monitor display
 - Machine Data Display.
- SPC (Statistical Process Control)
 - Yield, UPH, Recipe, MTBA, Lot Information & Jam Statistics.
- SECS/GEM (Option)
 - RS232 or Ethernet.