

# New RoboFlex- II

## CST is redefining DIMM Memory Module Testing and Automatic Handling

CST Inc, a leading worldwide manufacturer of memory tester and automatic handler is proud to introduce the most affordable, high performance Automatic Module Handling System, specifically designed for high volume DIMM memory module manufacturers and large memory distributors.

The RoboFlex-II Automatic Handler is equipped with a standard 184pin/168pin Patented DIMM Pusher & "Scratch-Free" Module Stacking System for high speed handling of SDRAM & DDR DIMM modules. The RoboFlex-II Handler system is designed and build with a flexible architecture which enable easy change-over of Push System including SODIMM & RIMM module. The RoboFlex-II output stacking capability enable operators a hands free operation after module are stacked after testing, therefore it frees up operator to perform other challenging task resulting in higher productivity.



### RoboFlex-II Feature

#### Patented Modular Pusher System:

- Revolutionary concept eliminating "expensive test contactors"
- Accurate Direct Insertion into memory tester socket
- Unique "Gravity feed" singulation for loading module
- Universal input tray for different size module
- Ease of change-over of Module for different size Dimm
- Unique designed "singulator" support different type of shape module layout

#### Patented "Scratch-free" Stacker System:

- Restack tested module into vertical trays
- Eliminates module from possible scratches
- Limit sensor to stop test operation-once tray are full

#### Patented "Beltless carrier system" base handler:

- Pneumatic carrier system for scratch-free transfer of module
- Unique Soft-Landing platform to buffer module dropping
- Unique Stacking Platform to stack module into trays
- Fall Output Slide for sorting good/bad module
- One button reset system
- Wide Channel to accommodate large size DIMM
- Eliminates 100% scratch-free module handling

#### Precision Labeler System: Optional (under development)

- Revolutionary "Pick & Place" labeler system
- Easy to setup and alignment system
- Built-in Label dispensing system
- High throughput Label placement ( 5K in 8 hour shift)

#### Upgradability

- Support wide range of RoboFlex Pusher Module
- Interface to all CST memory tester only
- Universal power supply

### Technical Specification

Module supported	:184pin & 168pin DIMM :144pin & 200pin SODIMM optional :100pin DIMM optional
Module Size	: Height - 1" to 1.75" : Length - 5.25" +/- 0.05" : Thickness - 0.05" +/- 0.04
No of DIMM per input tray	: 60 - 100 TSOP DIMMs (single side) : 40 - 60 TSOP DIMMs (double side)
Output Tray Stacker	: Similar to input tray capacity
Handler throughput	: Input Tray + Transfer + Stacking = 5 Sec (Zero test time)
Test contacts	: Heavy duty test socket (Yamaichi) : Lifespan contact - 1 Million cycle : Resistance - 10 ohm
Power requirement	: Switching Power Supply Input 100 - 250VAC, 50-60hz Output - 12V @ 2A
Compress air	: 70 -100 PSI @ 5CFM regulated Air
Operating temperature:	: 32 ~ 100 degree F(0-60 degree C)
Physical Dimension	: 24" x 19" x 7" ( H x W x D)
Handler Weight	: 35 pounds

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