

# DDR3 / DDR2 / DDR RoboFlex3

## Pick & Place Handler

- **Bench-Top**
- **No External Control necessary**
- **Easy to Learn and Easy to Use**
- **Flexible Modular System**
- **High throughput performance**
- **No Changeover time necessary**
- **Affordable Solution**
- **Eliminate Operator Error**
- **Maximize floor space utilization**
- **Ergonomic – Position at Operator height**
- **Lightweight**
- **Easy to assemble**



*Pick & Place with DDR2 DIMM Option (Tester not included)*

The New CST's RoboFlex3 Pick and Place Handler offers the ultimate experience in Automation "Simplicity", "Quality" and "High Productivity" and it enables your company to quickly and cost-effectively achieve world-class Memory testing quality.

The RoboFlex3 Handler system features Dual-Head Grippers system with individual X & Z axis gantry control and a Stepper-Motor control Tray Loader System to deliver the Y –Axis control. Change over of empty and fully loaded module trays are fast and easy. The trays are manually-loaded

### **Simplicity – Break-Though**

The RoboFlex3 Pick and Place system is so simple and easy to use that a production operator trained for DIMM manual production testing can be productively immediately because the system does not requires special machine operating knowledge. Installation is fast and very easy.

### **Increase Productivity**

The RoboFlex3 takes less than 8 seconds (zero-test-time) to complete processing a module from the untested tray to a fully tested tray, Gripper-1 picks up module from left tray, insert module into test socket and returns to tray to pick up the next module. The second Gripper-2 picks up the tested module and transfers them to the Good tray site. Combine with this two Grippers system with no special tools or adjustment, the handler offers the highest productivity at a lowest investment cost.

### **Cost of Quality Level**

The RoboFlex3 eliminates human operator errors typically associated with using hand-testing and binning bad modules as good part.

### **Flexibility**

The RoboFlex3 supports DDR3, DDR2, DDR Unbuffered DIMM, Registered DIMM, Low Profile DIMM, Single Sided or Double Sided DIMM without any need to changeover or adjust trays. All you need is to swop out the Memory tester and the RoboFlex3 handler is designed for current and future memory form-factor.

**SIMMTESTER.COM**

**Phone: 972-2412662**

**Email: [info@simmtester.com](mailto:info@simmtester.com)**

# DDR2 / DDR3 RoboFlex3

## Pick & Place Handler System



CST Inc, leading worldwide manufacturer of memory tester and automation system is proud to introduce the most affordable, and compact Automatic DIMM "Pick & Place" Handling System, specifically designed for high volume memory module manufacturers and large memory distributors.

The RoboFlex3 DIMM Automatic Handler is equipped with a Dual set of Grippers for transfer and sorting standard 240/184/168pin DIMM Memory "To and From" the Memory Test Site.

A Precision Control – Tray loader feeds module to the Grippers system and offers a "Scratched Free" Module Pass and Fail Sorting System.

The RoboFlex3 Output Sorting capability enables operator hands-free operation after loading and testing. Operator therefore is free to perform other challenging task resulting in higher productivity.

The RoboFlex3 Handler supports testing DDR3,DDR2,DDR & SDRAM DIMM with just a quick change of Memory Tester.

### ROBOFLEX3 DIMM FEATURE

#### Patent Pending Dual-Head Gripper System

- Precision Carrier System for scratch-Free transfer of DIMM Module
- Precision Direct Insertion into Test Sockets
- Unique Two Gripper for high speed load/sorting
- Optional Heater Chamber System

#### Patent Pending Tray Loader System

- Unique Tray Loading "Conveyor Feed" System
- Restacked tested module in Good Trays
- Eliminates Module from Scratching
- Universal Input /Output Trays

#### Easy to Operate

- No adjustment necessary
- One Button - Reset System

#### Key Features:

- Light-Weight and Stand Alone Handler
- Support wide range of DDR3,DDR2,DDR1 Unbuffered and Registered DIMM Module
- Interface to all CST Tester – SP3000 /Eureka2 Test System
- Universal Power Supply
- Audible buzzer for pass/fail indication

### TECHNICAL SPECIFICATION

Module Type Supported : 240pin,184pin & 168pin

Module Size : Height : 1" to 2.75 "  
: Length : 5.25" +/- 0.05"  
: Thickness : 0.05"

Number of DIMM Per Input Tray : 17 DIMM per Tray  
: 3 Trays included

Output Tray : 17 DIMM per Tray  
: 3 Trays included

Handler Throughput : Load + Transfer + Sorting ( 8 sec)  
( Zero Test Time)

Test Contacts : Heavy Duty Test Sockets ( Yamaichi)  
: Life Span ( above 10,000 insertions)

### General Specification

Pusher System : 240/184/168 Pin DIMM (Standard)

Compressed Air : 80 ~ 100 PSI @ 5 CFM Regulated Air

Universal Power : input 100 /250 Vac, 50 /60Hz  
Output 24 VDC @ 3A

Operating Temperature : 15 ~110 Degree F

Dimension : 32" x 20" x 20" ( H x W D)

Weight : 65 pounds

# SIMMTESTER.COM

CST Inc , 2336 Lu Field Road , Dallas Texas 75229 Tel : (972) 2412662 Fax : (972) 2412661

[www.simmtester.com](http://www.simmtester.com)

Email : [info@simmtester.com](mailto:info@simmtester.com)