

DDR4/DDR3/DDR2 RoboFlex2

Automatic Handler System



RoboFlex-II

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

The RoboFlex2 DIMM Automatic Handler is equipped with a standard 288/240/184/168pin "Patented DIMM Pusher System" and the "Scratched Free" Module Stacking System. This Handler supports DDR4, DDR3, DDR2, DDR & SDRAM DIMM and SODIMM Memory

The RoboFlex2 Handler is designed with a Flexible architecture, which enable easy change-over of DIMM SODIMM Pusher System.

The RoboFlex2 Output Stacking capability enables operator hands-free operation after the modules are tested and stacked. Operator therefore is free to perform other challenging task resulting in higher productivity.

ROBOFLEX2 Feature

Patented Modular Pusher System :

- Accurate Direct Insertion into Test Sockets
- Unique Loading " Gravity Feed" Singulation
- Universal Input Trays
- Ease-of-changeover

Patented "Scratch-Free" Stacker System

- Restacked tested module in Vertical Trays
- Eliminates Module from Scratching
- Limit sensors to halt testing once Trays are full

Patented "Beltless Carrier System "

- Pneumatic Carrier System for scratch-Free transfer of Module
- Soft landing platform to damper module dropping
- Failed/Passed Slide for sorting modules
- One Button Reset System

Upgrades

- Support wide of Range of custom Pusher
- Interface to all CST Tester
- Universal Power Supply
- Audible buzzer for pass/fail indication

TECHNICAL SPECIFICATION

Module Type Supported : 288pin, 240pin, 184pin & 168pin DIMM
: 260pin, 204pin, 200pin SODIMM (Opt)
: 100pin DIMM (Optional)

Module Size : Height: 1" to 1.75 "
: Length: 5.25" +/- 0.05"
: Thickness: 0.05"

Number of DIMM Per Input Tray : 150 ~ 200 TSOP/BGA DIMM (Single)
: 120 ~ 150 TSOP/BGA DIMM (Double)

Output Stacker : 150 ~ 200 TSOP/BGA DIMM (Single)
: 120 ~ 150 TSOP/BGA DIMM (Double)

Handler Throughput : Load + Transfer + Stacking (2-3 sec)
(Zero Test Time)

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

General Specification

Pusher System : 288/240/184Pin DIMM (Standard)
: 260/200 204 Pin SODIMM (Optional)

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

Power : input 100 /250 Vac, 50 /60Hz
Output 12 VDC @ 3A

Operating Temperature : 15 ~110 Degree F

Dimension : 24" x 1 9" x 7" (H x W D)

Weight : 40 pounds

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