

F174A5



Camera Module Tester Series

isMedia is doing its best to develop products ranging from research development for camera test equipment's to custom-built equipment's through pre-discussion.

Feature

4 Test Zones 8 Test Capacity – Achieve High UPH

(1 Test zone= 2 test board set)

Full auto Tester

Auto Focusing System (AF/FFtype)

Remarkably Fast Testing Time

Omnipotent Camera Module Function Verification

Electrical test

Focus adjust / Focus final test

Macro auto focus test

Image test

Innovated Design Board Equipped

Required only one time contact for finishing all kinds of test

Shorten Test time 50% compared previous H/W system

4 test zones can be separated from handler, and each zone can be the semi auto machine respectively



Applicable Camera Module Type

Cube type

FPCB type

Wafer level camera type

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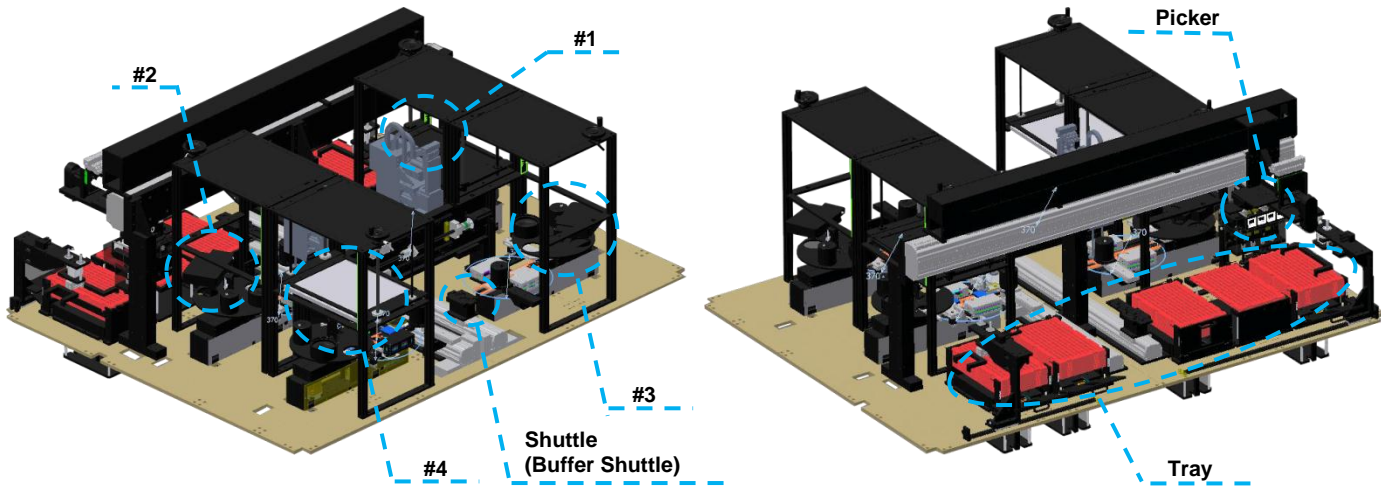
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System Specification

Size / Weight	2300X1800X1800 (WxDxH) mm / 2500Kg
Utility	CDA 0.6MPa, Power 220V±5% 60Hz
Illumination	IL80 : White LED illuminator ML202 : Macro(Near Field) LED illuminator 202x150 FL440 : Far Field LED illuminator 440x345
Collimator Lens	CL-636 / Focal Length : 36mm
Control Axis	14 Servo motor 12 Micro Step motor 12 Cylinder(Tester) 12 Cylinder(handler) Tester 4 servo motor
Chart	2 Charts system(far, near)
Main Processor	Intel Core 2 Duo 3.0 GHz
Memory/Hard Disk	2GB, 250GB
Monitor	21.6 inch(4ea) / Touch(1ea)
Operating System	Microsoft Windows XP, Windows 7 (32bit)
Local Bus	PCIe camera-link grabber (2chx1)



H/W Specification

Interface with PC	Camera link (Base) for video USB2.0 for control
Supported Video Format	8bit to 16bit Bayer(8/10/12/14/16) 8bit or 16bit YUV4:2:2 8bit or 16bit RGB888/RGB565
Supported Control Bus	Standard I2C NON-standard I2C (16bit address,16bit data, Programmable Latency etc) SCCB
Video Transfer Rate (Supported Pixel Clock Frequency)	Up to 240MB/Sec
Supported Video Resolution	12Mp resolution camera modules are verified Now study for Higher Resolution is ongoing
SMIA & MIPI Support	SMIA(650Mbps) 2 lane MIPI converter (800Mbps per lane) (Optional 4 lane MIPI converter – 800Mbps per lane)
Master Clock Supply	1.0M~68MHz / 0.1MHz step