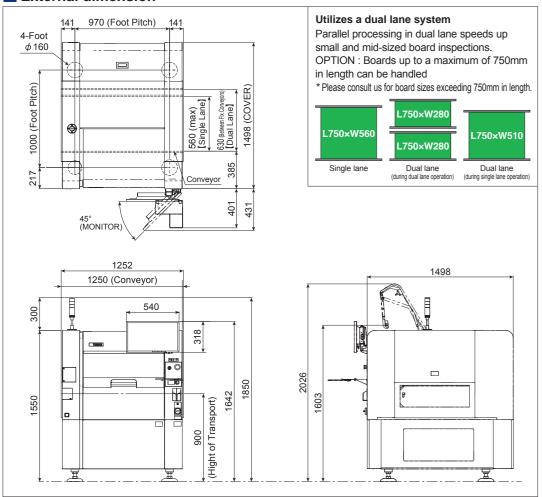
YSi-V Specifications *Specifications and appearance are subject to change without prior notice.

| Model | YSi-V | | | | | | |
|--------------------|---|-----------------|-----------|-----|------------|--------------|--|
| Applicable PCB mm | L610 x W560 (Max) to L50 x W50 (Min) (Single lane) | | | | | | |
| | Note: L750mm long length PCBs available (option) | | | | | | |
| Number of pixels | 12 megapixels | | | | | 5 megapixels | |
| Туре | 12M TypeHS | | 12M TypeS | | 12M TypeDF | 5M | |
| Resolution | 12µm | 7µm | 12µm | 7µm | 12µm | 18µm | |
| Target items | Components status after mounting, components status and solder status after hardening | | | | | | |
| Power supply | 3-Phase AC 200/208/220/230/240V/400/416V ±10% 50/60 Hz | | | | | | |
| Air supply source | 0.4MPa or more, in clean, dry state | | | | | | |
| External dimension | L1,252mm x W1,498mm x H1,550mm (excluding projections) | | | | | | |
| Weight | Approx. 1,300kg | Approx. 1,300kg | | | | | |

External dimension





The models shown in the photographs in this catalog may differ slightly from the standard specifications.
 Specifications and appearance are subject to change without prior notice.



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PCB ASSEMBLY SYSTEM

SMT Innovation

High-end Hybrid optical inspection system (AOI)

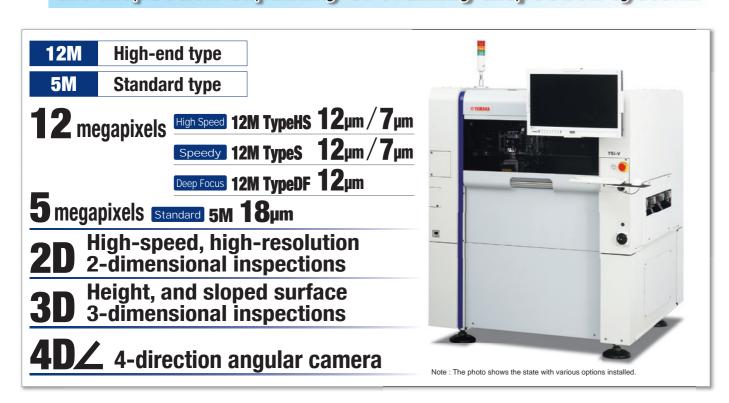


SMT Innovation

High-end Hybrid optical inspection system (AOI)

YSi-V

Performs 2-dimensional inspections, 3-dimensional inspections, and 4-direction Side image inspections all in one unit! It has more than double the inspection capability of ordinary inspection system.



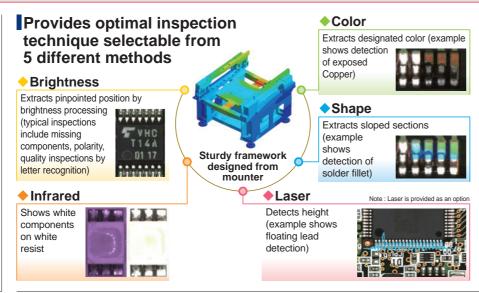
Feature 1 2D High-speed, high-resolution 2-dimensional inspections

High resolution imaging offered in 2 types, 12 megapixels and 5 megapixels

Available in a standard type 5M and a high-end type 12M.

12M easily outpaces rivals with its 12 megapixel industry High resolution camera and a telecentric lens offering both a high number of pixels and the high image resolution indispensable for making high-resolution inspections.

Both 5M and 12M achieve high-speed along with high-accuracy and expanded field of vision by incorporating a high-speed image processing control system.

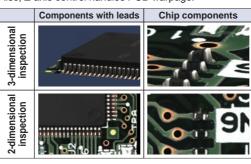


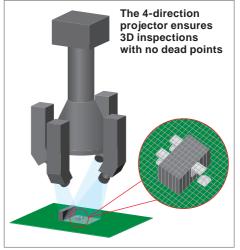
Feature (

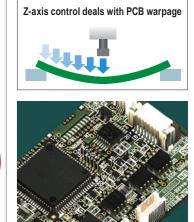


Height, and sloped surface 3-dimensional inspections (option)

It makes high-speed measurements of entire visual field height in one batch. 3D imaging reliably detects floating components where 2-dimensional imaging would be difficult. Improves detection where color tones between board and components are similar or when there is interference between silk-screen and pattern. Also, Z-axis control handles PCB warpage.







oture 3 4DZ 4-direction angular camera (option)

Besides 2-dimensional inspection from directly above the PCB, gives batch imaging of the entire field of vision by 4-direction sideview inspection with no tact loss!

This also allows visual inspections without having to touch the PCB, since imaging allows checking the PCB in 4 directions just as if you're holding it in your hand. This also helps prevent operator errors and drastically shortens the process time.

Also supports automatic inspections for defects not visible from directly above the PCB such as solder bridges between pins under component bodies.



Feature 4

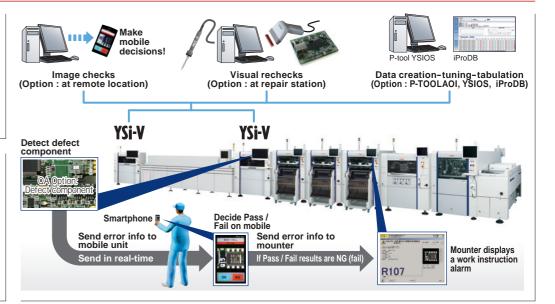
Software supports real-time, streamlined inspections!

Mobile Terminal Pass / Fail Function

Sends images of defects and information to the operator's mobile device by WiFi, so operators can now make pass-fail judgements on their mobile device.

QA Option

The mounter that placed the defect component is identified. The error information is sent by WiFi. The mounter is automatically set to cycle-stop and data such as the feeder position, head number and nozzle type appears on the monitor.



Supports and simplifies creation of inspection programs!

Loads Yamaha mounter data for import into inspection data. A preinstalled library of over 1,000 types drastically shortens the startup time. Also, supports IPC standards(IPC-A-610), and just specifying the particular class automatically updates the inspection standards.

Support to boost IQ or Intelligent Quality!

The inspection history management software iProDB lets you monitor the status of mounters, printers, and inspectors all in just a glance! The iProDB amasses test result data to calculates potential trouble warning signs. It gives vital intelligent quality (IT) support it applies to process improvements.