

YVi-X2H

- X-ray solder test : Underside electrode of CSP, BGA, etc. 100% tested.
- High-speed testing using 3-step dome lighting : 25msec/cm² (about 6 seconds for 150 x 150mm area, single lighting).
- Testing in Z direction using sharp angle LASER.



● Sharp angle laser sensor

- Mounter, printer off-line linked : Multi functions such as quick conversion from the mounter data, NG marking, image storing, QA option and QA tracing.



Note : The photo shows the state with various options installed.

X-ray

X-ray to detect metal thickness

- Printed solder melts up to components and X-ray detects high of the fillet.
- Bottom face information removing function which tests the top face and bottom face separately using X-ray.

Non-conforming item			
Conforming item			

Visible rays

- General test to check presence/absence of components, bridge, deviation, etc.

Character recognition

- Robust character recognition function capable of reading even when grazed characters are mixed.

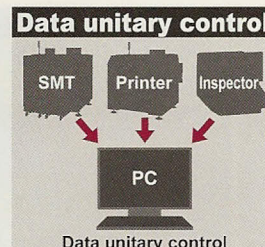
Infrared

- Test using penetrating near infrared without shining of flux.

● Infrared ● Visible rays

LASER (=Z direction test)(Optional)

- Floating test of BGA, chip, lead.
- Testing engagement height of dip product as well.



YVi-X2H specifications (Model : LE2-610)

	YVi-X2H
Applicable PCB	L460 x W410mm to L50 x W50mm
Test speed	25msec/cm ² (Equivalent to about 6 seconds for □150mm area) : Under single lighting, optimum condition 51msec/cm ² (Equivalent to about 12 seconds for □150mm area) : Under 3 lighting + X-ray, optimum condition
Test resolution	LASER (XY direction) 1μm, LASER (Z direction) 10μm, Visible rays 20μm, Infrared 20μm, X-ray 20μm
Test item (Post-reflow)	Position error, missing item, polarity, different item, angle deviation, standing, top/bottom, bent lead, bridge, character recognition, fillet (standard) floating chip, floating lead (LASER), foreign object, solder ball of component (under YAMAHA condition)
Power supply	Single-phase AC200/208/220/230/240V +/-10% 50/60Hz
Air supply source	0.4MPa or more, in clean, dry state.
External dimension <Note 1>	L1,350 x W1,580 x H1,470mm (cover top)
Weight	Approx. 1,920kg

<Note 1> This dimension does not include the projection.