YAMAHA

SST-304 series

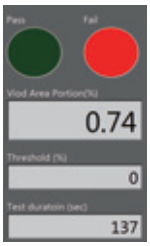
Contact-free Ultrasonic tester

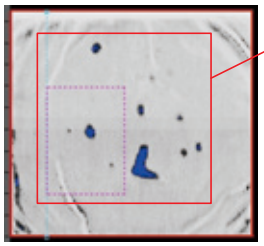
Contact-free detection of defects in lithium-ion batteries, food and medical packaging

- Contact-free testing machine operating via ultrasonic wave transmission
- Non-destructive, contact-free, dry inspection
- Able to clearly detect air bubbles and peeling that are poorly detectable by X-ray testing

Solution example

Lithium-ion battery porosity testing

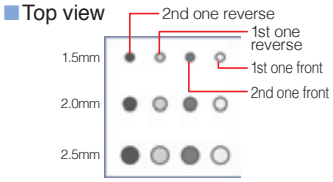


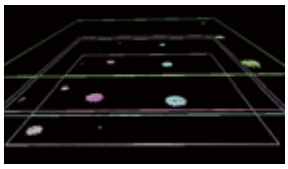


Allows for testing for residual air bubbles within the pouch and impregnation testing. Allows for quantitative testing by threshold.

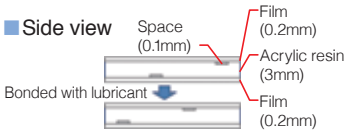
Defect depth evaluation

■Top view



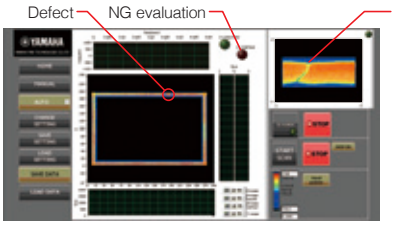


■Side view



By using focusing calibration techniques of a chosen layer, it is possible to acquire a tomographic image and perform defect depth analysis.

Packaging laminate defect testing



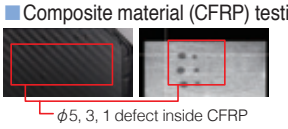
Detects trapping of foreign matter in aluminum laminate films consisting of 4 thermally bonded A4 size edges

Aluminum laminate adhesion testing example

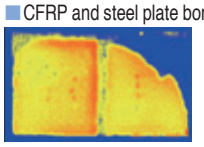
Detects signal deterioration using high-speed circumference scan.

CFRP/composite material defect testing

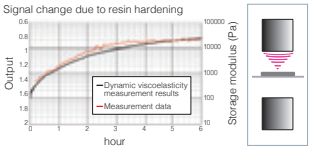
■Composite material (CFRP) testing



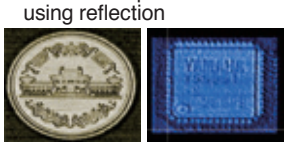
■CFRP and steel plate bonding testing



■Resin hardness measurement



■Surface shape measurement using reflection

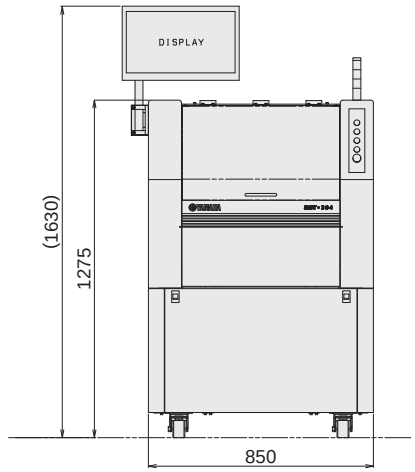


YAMAHA

SST-304 series
Contact-free
Ultrasonic tester

SST-304 Stand-alone / general-purpose type

External dimensions



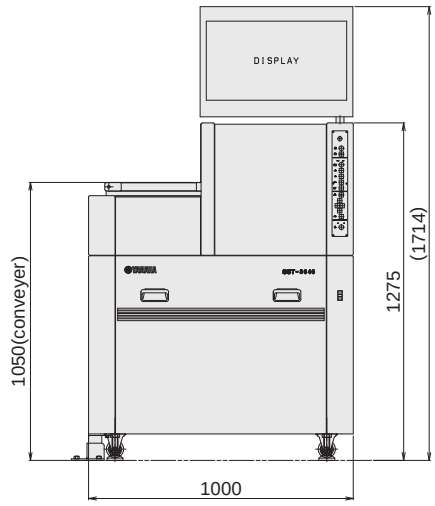
Production specification

Type	SST-304
Scaning range	322(W) x 230(D)mm
Drive	AC servo motor 4 axis
(Drive option)	Rotation measurement unit (servo motor 1 axis)
Display	18.5-inch wide LCD
Data	HDD
Weight	450kg
Power voltage, power supply	AC100V~220V, 50/60Hz, 1kVA
Air	Unused
Usage temperature	5~40°C

Notice : Please note that specifications are subject to change without notice.

SST-304C Fully automatic / conveyor feed type

External dimensions



Production specification

Type	SST-304C
Scaning range	400(W) x 280(D)mm
Drive	AC servo motor 4 axis
Display	24-inch LCD
Data	HDD
Weight	600kg
Power voltage, power supply	AC100V~220V, 50Hz, 1kVA
Air	Unused
Usage temperature	5~40°C
Automatic test	Communication with the host computer via an external IO terminal Barcode acquisition, storage of results A wide variety of models supported through model registration

Notice : Please note that specifications are subject to change without notice.

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