

High Speed and Accurate Base Machine

YSC00

DUAL ZERO

NEW

Hybrid of Robot & Mounter

includes Robot Controller and can accommodate AOI, 3D printing, Dispensing, Die Bonding and more.



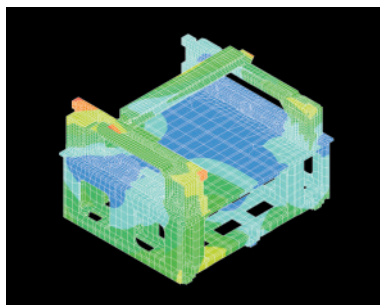
Feature 00 DUAL DRIVE

X-axis synchronous control now available for higher speed and accuracy!
Operational area has now been expanded to a wider range than the YSC0.

Feature 1 High-Precision in a Solid Frame

A highly solid and rigid frame provides high precision in a variety of work applications.

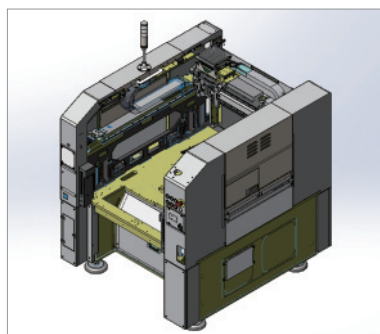
- Y-axis straightness
Less than $\pm 5\mu\text{m}$
- Y-axis parallelism
Less than $\pm 5\mu\text{m}$
- X-axis straightness
Less than $\pm 5\mu\text{m}$



Actual values may differ

Feature 2 Common Universal Structure

The YSC00's Common Universal Structure serves as an ideal base machine in automated systems. It allows customers more time to develop applications rather than wasting time to build individual framed units.



Feature 3 Simple & Flexible Modular System

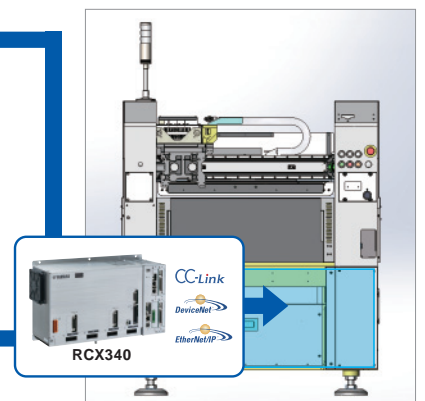
The internal robot controller, which supports most Yamaha robots, allows simple and flexible system configurations and a wide variety of applications.

■ Yamaha Robots may be added if necessary up to 13 axes.



- ZR units
- SCARA robots
- Single-axis / CARTESIAN

■ Vision system and Electric gripper are also applicable.



Feature 4 Expedited Ex-Factory

Our "Assemble-to-Order" system provides product customization for speedy ex-factory.

Specifications

	YSC00	YSC0
Speed	1667mm/sec	1667mm/sec
Repeatability	+/- 0.005mm	+/- 0.005mm
Ball screw	Ground Ball Screw	Ground Ball Screw
Servo motor output	750watt (X x 2-axis / Y-axis)	750watt (X-axis / Y-axis)
Range of movement	X 750 x Y 610mm	X 750 x 395mm
Conveying payload	15kg	15kg
Weight	1200kg	980kg

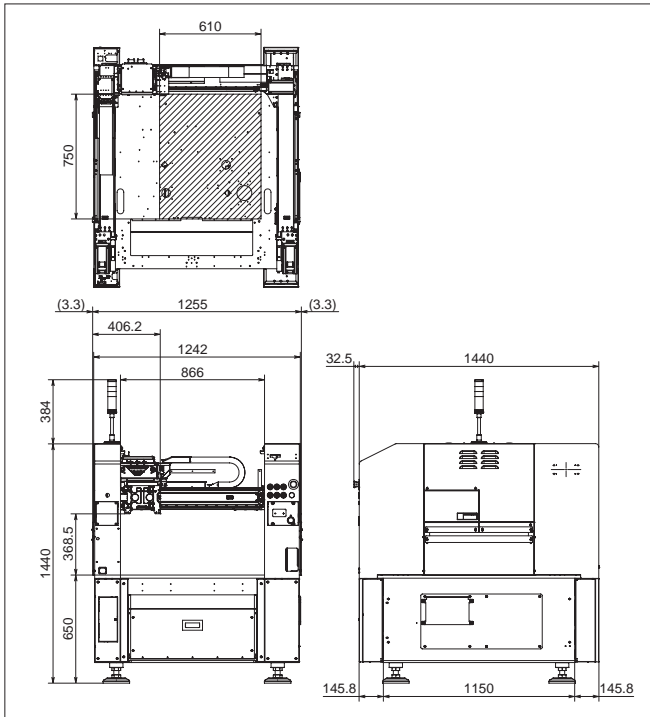
YSC00
DUAL ZERO



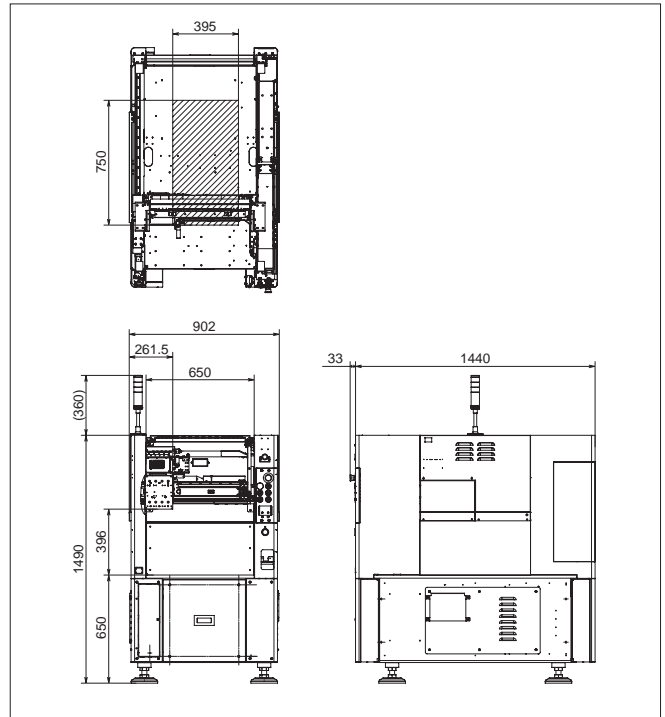
YSC0
ZERO



YSC00 External dimensions



YSC0 External dimensions



Controller RCX340 and controllable device



Installation sample



Nikke Machine Manufacturing Corp.
3D inspection system

**Join Our
Global Partnership**

A wide variety of machines can be produced using YSC as the base. Each machine is different but the core technologies are the same; installation, movement and operation. Contact us for more information.

Contact address

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