



# YSD

## High-Speed Dispenser

New generation dispenser gives sophisticated SMT support along with rich functionality, high accuracy and high speed!

Dispensing cycle time  
0.07 sec/shot

Dispensing accuracy  
 $\pm 50$  micron ( $\mu + 3\sigma$ )

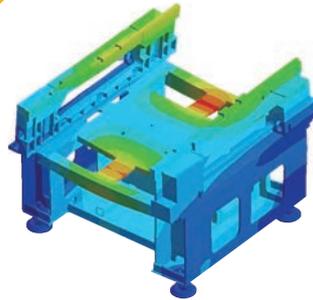
Handling large PCBs  
L 510 x W 460 mm

Long-board option  
up to 1,200 mm, ideal for special LED assemblies

## Fast, accurate, and stable dispensing for high-density mounting

### High-speed

Dispensing cycle time 0.07 sec/shot



Sturdy framework designed for mounter

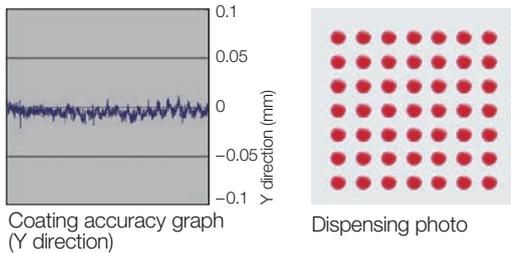
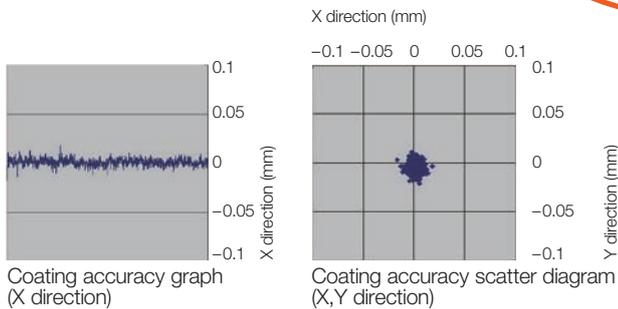
### Stable coating

The highly precise temperature-controlled heater unit ensures excellent stability for consistent coating thickness.



### High accuracy

Dispensing accuracy  $\pm 50$  micron ( $\mu + 3\sigma$ )



### Dot station (option)

Includes a dispensing path recognition feedback function. Provides highly-accurate and stable liquid dispensing by sensing the pre-dispensing status for precise regulation of dispensing quantities.



# YSD Long-Board

## Long-board option for ultimate versatility

Choose YSD Long-Board to handle assemblies like large LED-lighting boards up to 1,200 mm long with the flexibility to dispense solder paste or adhesive. This affordable option allows your YSD dispenser to support all your special and standard jobs cost-effectively. The familiar Yamaha software and user interface help maximize productivity.



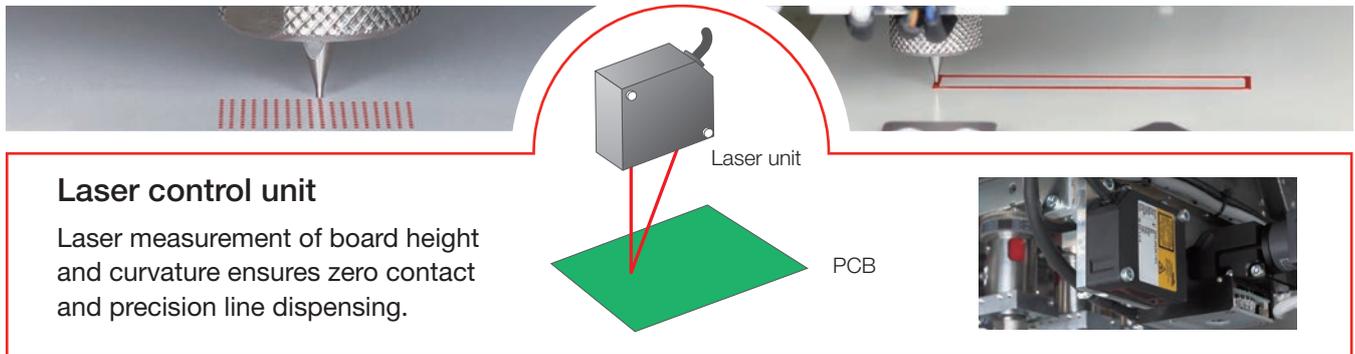
## Accurate, non-contact line dispensing, for a wide range of applications

### Non-contact dispensing (option)

Excellent dispensing and coating on board cavities, on already part-mounted boards, and where stoppers cannot be used such as on densely mounted boards.

### Line dispensing (option)

Dispenses fluid in line patterns to match the board shape. Supports a variety of applications such as filling and insulating tasks.



#### Laser control unit

Laser measurement of board height and curvature ensures zero contact and precision line dispensing.

### Dispense head

Select from 2 head (standard) or 3 head (option) to match the production format. Full universal type high-accuracy dispense head gives independent Z-axis and R-axis servo control, while supporting multi-fluid, multi-state liquid dispensing. Direct syringe and nozzle mounting method simplifies maintenance tasks such as cleaning.



### Syringe

Supports syringes in all types and capacities. Select the type you need to match your application.



### Nozzle

Wide selection of nozzles for producing your desired dispensing pattern.



### Digital pressure gauge

High-accuracy digital pressure gauge for precision dispensing.



## Support for Yamaha SMT software and production line network

### Mounter-linked operation

Smoothly converts data from Yamaha mounters to drive the dispenser, achieving huge reductions in production times!

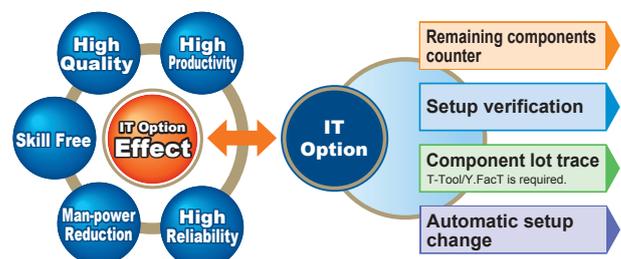
### Bad mark transfer

Bad mark data recognized by the YSD is transferred to the mounter to drastically cut total line loss and boost production.



### IT Option

Powerful support tool for boosting mounting line production and maximizing reliability! IT Option minimizes dependence on individual operator skills, increases operational efficiency and contributes to higher product quality. Also provides vital support for managing machines online.

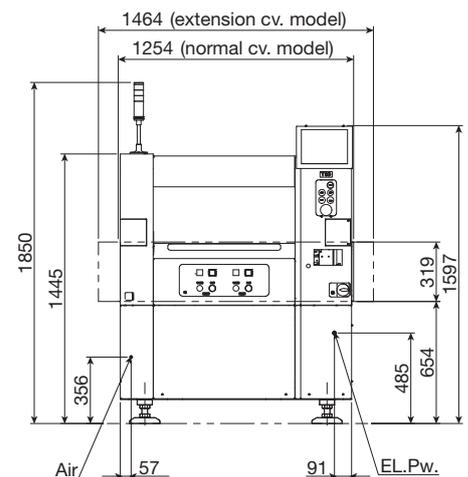
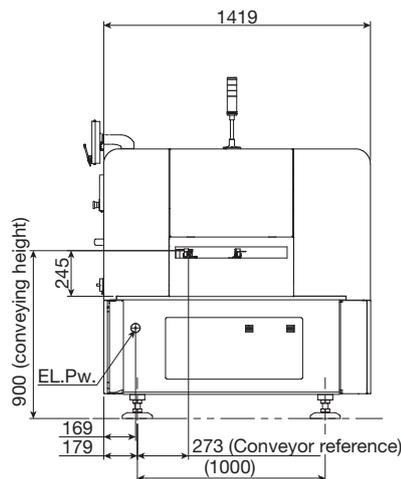
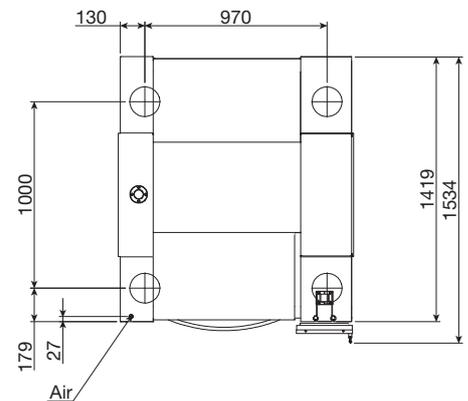


**Specifications**
**YSD**

Applicable PCB	L 510 x W 460 mm to L 50 x W 50 mm Optional Length L 1,200 mm
Dispensing cycle time	0.07 sec/shot (under optimum condition)
Dispensing accuracy	±50 micron $\mu + 3\sigma$
Dispensing method	Air-pulsed type
Power supply	3-Phase AC 200/208/220/240/380/400/416 V $\pm 10\%$
Air supply source	0.45 MPa or more
External dimension (excluding projections)	L 1,254 x W 1,419 x H 1,445 mm
Weight	Approx. 1,250 kg

**Full range of options**

- Conveyor extensions
- Board transport direction
- Board transport rear reference
- Syringe level sensing
- 10-cc adapter
- UPS system



\* Specifications and appearance are subject to change without prior notice.

Yamaha Motor Europe N.V.  
Niederlassung Deutschland, Geschäftsbereich IM  
German Branch Office, IM Business  
Hansemannstrasse 12 · 41468 Neuss · Germany  
Tel: +49-2131-2013520  
info-ymeim@yamaha-motor.de  
www.yamaha-motor-im.eu

Yamaha Motor Corporation, U.S.A.  
Intelligent Machinery Division  
1270 Chastain Road · Kennesaw · Georgia 30144 · U.S.A.  
Tel: +1-770-420-5825  
info-ymaim@yamaha-motor.com  
www.yamaha-motor-im.com