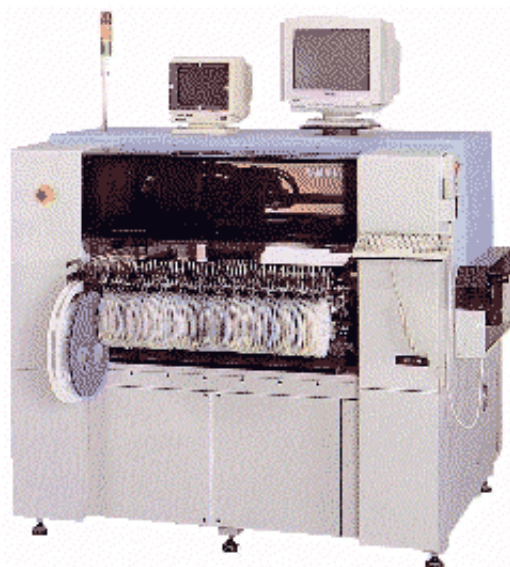


# YV100-II / TOPAZ

## High-speed, high-performance and cost effective mounter

Multi-head, high-precision, high-speed mounter

8 in-line "piano touch" heads



- **Component-friendly soft touch mounting**

Mounts components with a piano touch while performing at high-speed. With the newly-designed 8 in-line heads which do not subject components to any shearing stress, it mounts components smoothly at high speed, with unsurpassed mounting reliability.

- **High-speed mounting at 0.25 sec. per chip**

With 8 in-line heads and multi-view high-speed vision processing, achieves high-speed mounting of 0.25 second per chip under optimal set-up conditions.

- **Compact head for reducing the cycle time**

Compact head can exceedingly save useless actions for picking up and mounting components and achieves the reduced cycle time.

- **Handling of very small ceramic boards**

Can be adapted to handle very small ceramic boards of up to L15mmxW10mm on request.

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### Multi-vision recognition

- **High-speed vision processing**

This recognition system transports eight picked components over the camera without stopping, performing batch recognition of all components at once using multi-view vision processing, significantly reducing component recognition time.

- **High-accuracy recognition within +/-0.1mm/chip**

Ensures a mounting accuracy of +/-0.1mm for chips. Handles very small 1005 chips, SOPs and PLCC84 pins. With the single-view camera and the precision-head the mounter is capable of mounting QFPs with a lead pitch of 0.5mm and a total pins of 208.

- **Handling of long connectors as well**  
Recognizes all the leads on a connector at once and checks their pitch before mounting.
- **Two multi-view cameras**  
Due to the adding of a second multi-view camera, the mounter increased its performance.

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### Handling of many types of components



- **Handles 100 kinds of tape max.**  
Mounts up to 100 kinds of tape. Use of the YTF100A as well allows handling of up to 100 kinds of tray.
- **High-speed nozzle changing**  
High-speed nozzle changing minimizes loss time, enabling substantial gains in mounting speed.
- **Well-established Full Vision Series nozzle**  
The use of proven nozzles reflects Yamaha's accumulated experience. The use of only one nozzle to handle a wide variety of components minimizes the number of nozzle changes and so shortens the cycle time.

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### Economy coexists with high-speed performance

- **Newly-designed high-rigidity frame**  
As a result of using the same newly-designed high-rigidity frame as on the YVL88, high-speed performance and economy are combined. This frame, designed for high precision, also facilitates high-speed operation.

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