

YG100RA/YG100RB

- High-speed mounting capacity handling 24,000CPH (0.15sec/CHIP Equivalent : optimum condition)
- $\pm 50\mu\text{m}$ (CHIP), $\pm 30\mu\text{m}$ (QFP) mounting absolute accuracy in full time operation.
- Handles a wide range of components from 0402 chips to $\square 45\text{mm}$ components and with long connectors.
- Capable of handling 15mm height components.
- Applicable to longer length PCB (up to L510mm).



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

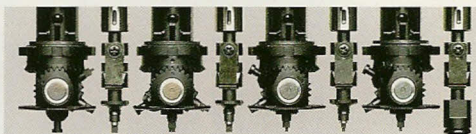
YG100RA 8 in-line multi-heads FNC type



Index mechanism replaces nozzles during movement. This allows cutting machine idle loss time.



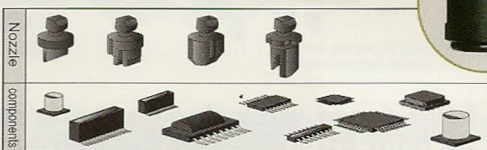
No.	Nozzle type	Examples of components
1	71F	0603 1005
2	72F-79F	1608 to 3216 MTR Cylindrical chip 72F
3	73F-73F-D	4525 to AL.C PTR Ta SOP



(FNC : flying nozzle change)

YG100RB 8 in-line multi-heads SF type

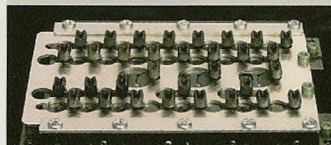
Large diameter nozzle, gripper nozzle or customized nozzles allow high-precision mounting of large fine-pitch QFP and odd-shaped connectors, etc.



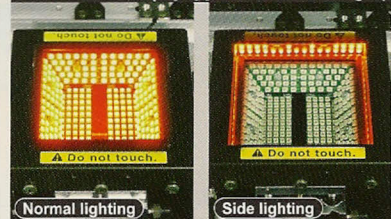
(SF : strengthened fitting)

ANC station

Automatically replaces customized nozzles.



Multi-camera (Equipped with a side light)



YG100RA/YG100RB specifications (Model : KHW-000)

	YG100RA (FNC type) / YG100RB (SF type)
Applicable PCB	L510 x W440mm to L50 x W50mm <Note 1> <Note 2>
Through-put (Optimum)	24,000CPH (0.15sec/CHIP Equivalent)
Mounting accuracy	Absolute accuracy ($\mu+3\sigma$) : $\pm 0.05\text{mm}$ /CHIP, $\pm 0.05\text{mm}$ /QFP
(Yamaha's standard components)	Repeatability (3σ) : $\pm 0.03\text{mm}$ /CHIP, $\pm 0.03\text{mm}$ /QFP
Applicable components	0402 (Metric base) to $\square 45\text{mm}$ components, SOP/SOJ, QFP, connector, PLCC, CSP/BGA, long connector <Note 3> <Note 4> <Note 5> Height of components which can be mounted : 15mm or less <Note 6>
Number of component types	96 types (Max, 8mm tape reel conversion) <Note 1>
Power supply	3-Phase AC 200/208/220/240/380/400/416V $\pm 10\%$ 50/60Hz
Air supply source	0.55MPa or more, in clean, dry states
External dimension	L1,650 x W1,562 (End of cover) x H1,470mm (cover top)
<Note 7>	L1,650 x W1,615 (End of guide for feeder carriage) x H1,470mm (cover top)
Weight	Approx. 1,630kg (Main unit only)

<Note 1> It is varied by the combination layout together with sATS / wATS / dYTF etc.

<Note 2> For information on "Longer length PCB spec." and "2 stages push-up spec.", please consult us separately.

<Note 3> In case of the $\square 31$ type multi-camera, the applicable components range is from 0402 to $\square 31\text{mm}$ Components.

<Note 4> In case of the $\square 45$ type multi-camera, the applicable components range is from 0603 to $\square 45\text{mm}$ Components.

<Note 5> When handling long connectors and large sized components, about the eccentric offset values and the rotation angle, please consult us separately.

<Note 6> 4mm or less height of upper face of PCB before transport is required for YG100RA.

<Note 7> This dimension does not include the projection.

YG100RA/YG100RB/YG88R

