YCP10 Specifications

- Specifications and appearance are subject to change without prior notice.

<table>
<thead>
<tr>
<th>Model</th>
<th>YCP10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicable PCB</td>
<td>L710 x W460mm to L50 x W50mm</td>
</tr>
<tr>
<td>Printing heads</td>
<td>3S head (3S : Swing Single Squeegee) Durable squeegee head (option)</td>
</tr>
<tr>
<td>Printing accuracy</td>
<td>Positioning repeatability (fixed) : +/- 0.010mm</td>
</tr>
<tr>
<td>Cycle time</td>
<td>Standard printing : 8sec (under optimum condition, except for printing time)</td>
</tr>
<tr>
<td>Applicable stencil size</td>
<td>L175 x W75mm, L175 x W73mm, L150 x W65mm, L140 x W55mm (option), L130 x W50mm (option), L50 x W50mm (option)</td>
</tr>
<tr>
<td>Power supply</td>
<td>Single-phase AC 200/208/220/230V ±20V 50/60Hz</td>
</tr>
<tr>
<td>Air supply source</td>
<td>0.45MPa or more, in clean, dry state</td>
</tr>
<tr>
<td>External dimension (excluding projections)</td>
<td>L1,130mm x W1,760mm x H1,370mm</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 1,100kg</td>
</tr>
</tbody>
</table>

External dimension
SMT Innovation

High-Performance Compact Printer

YCP10

Printing quality similar to flagship models, compatible with large PCBs and a wide variety of stencil frames.

High-speed printing

8 sec/cycle

Positioning repeatability

(6σ) : ±0.010 mm

Handles large PCBs

L510 x W460 mm

Stencils size

MAX. L750 x W750 mm

Feature 1

Built-in Features from High-end Machine Models Deliver High Print Accuracy and Quality!

YAMAHA’s original 3S head [3S: Swing Single Squeegee]

Program change squeegee attack angle (1 degree units between 45° to 60°) and speed to an ideal setting to provide optimal printing conditions that match the solder being used.

Stencil vacuum

A stencil vacuum mechanism delivers consistent high accuracy printing with no effects from stencil droop. Also drastically cuts the setup time since no offset entry is needed during back and forth printing movement.

Filling adjust

Handy function corrects solder fill amount for the PCBs which have just finished cleanings and in this way cuts down on solder print irregularities.

Feature 2

Multiple Functions and Extreme Versatility All Wrapped into 1 compact Unit!

Ideal for large-size boards and extra-wide stencil frames!

Though housed in a compact body, it handles large PCBs of L510 x W460mm as well as a variety of stencil sizes to boost line productivity to the max.

Applicable stencil size

<table>
<thead>
<tr>
<th>Standard</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>L750 x W750mm</td>
<td>L600 x W550mm</td>
</tr>
<tr>
<td>L736 x W736mm</td>
<td>L550 x W650mm</td>
</tr>
<tr>
<td>L750 x W850mm</td>
<td>L564 x W584mm</td>
</tr>
<tr>
<td>L650 x W550mm</td>
<td></td>
</tr>
</tbody>
</table>

Graphic layer base alignment function

Advanced feature, superimposes 2 images in layers on the monitor so position alignment can be checked at a glance. Now even a beginner can instantly make fine parameter adjustments for print position alignment.

Auto cleaning system

This system ensures cleaning that matches work conditions after making settings such as cleaning type, speed and suction.

Cleaner fluid bottle

Cleaner fluid is easily replaceable during production from a large capacity bottle mounted on front side of machine. The fluid remaining in the bottle can be easily checked at a glance.

Feature 3

Support for YAMAHA SMT Production Line Network, Delivers Highly Efficient Production.

IT option (Option)

ID monitoring of solder, stencil, and squeegees via barcodes prevents entry setting errors.

Solder remaining quantity detection function (option)

Function periodically measures (1 back-and-forth motion) rolling width of solder on stencil. An alarm notifies the operator when resupply is needed to prevent missing resupply periods and eliminate irregular resupply timing.

Bad mark transfer (Option)

Bad mark data recognized by the YCP10 is transferred to the mounter to drastically cut total line loss and boost production.

Bad mark transfer (Option)

Double squeegee

IT Option

Example NCs

Full Range of Options

Print inspection camera

PCB vacuum system

Transformer for Temperature control unit

Solder remaining quantity detection

IT option

Double squeegee

IT Option

Bad mark transfer

Temperature control unit

UPS system