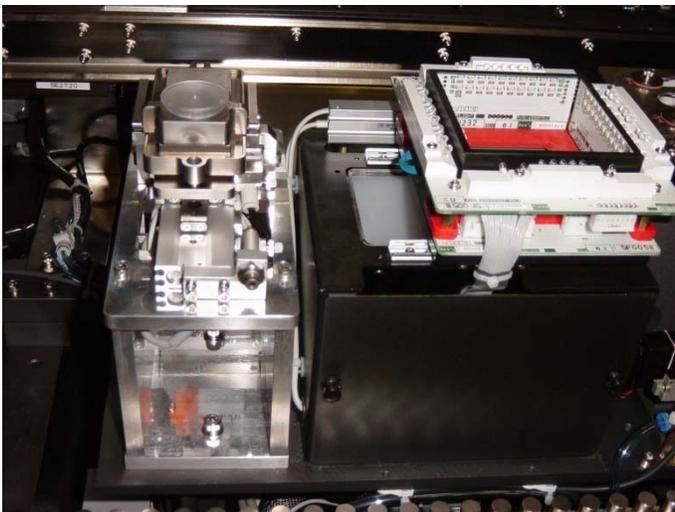


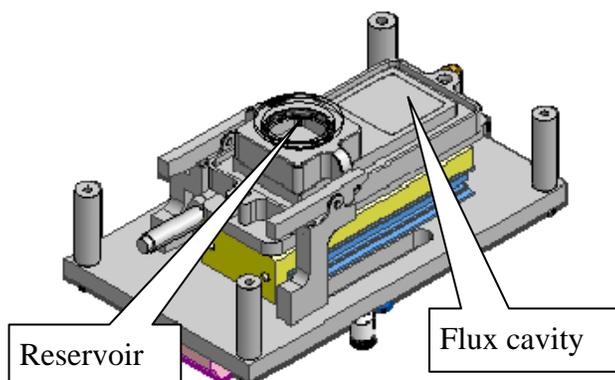
Linear Fluxer from Juki

The linear fluxer is a peripheral module that can be used for flip chip placement or PoP applications on the Juki KE2060 and KE2080 flexible placement machines.



Linear Fluxer mounts beside the VCS Camera

The linear fluxer is fully automatic and generates a constant liquid media film of flux or adhesive. The most common type of adhesive used is conductive adhesive. It can be used to dip a part into the film or to stamp a tool into the film and then transfer the acquired media onto an object or substrate often referred to as “pin in paste” or “adhesive pin transfer”. The fluxer can be installed at the factory or can be easily retrofitted in the field.



Linear Fluxer (shown in the flux position)

Specifications of the Linear Fluxer

- Part flux, or adhesive stamp processes
- Easy to change (no tool required) cavity plates
- Plates can have 2 different depths and/or sizes per plate, one cavity on each side of the plate
- Easier to set flux depth than rotary style fluxers (recommended depth is 2/3 of ball diameter)
- Cavity size max 30mmx30mm

Specifications of the Linear Fluxer (continued)

- Covered reservoir to prevent drying out
- Easy to re-fill flux media, easy to clean
- Transparent cover to visually check the media level inside the reservoir.
- The reservoir is large enough to contain enough media for an entire shift of typical production.
- Reservoir can be removed without tools for cleaning.
- Constant film height due to linear movement during filling of the cavity (“doctor blade” style operation)
- Sensors detect fluxer position (open/closed)
- Easy field installation, mounts next to VCS camera
- Full software control of fluxer operations

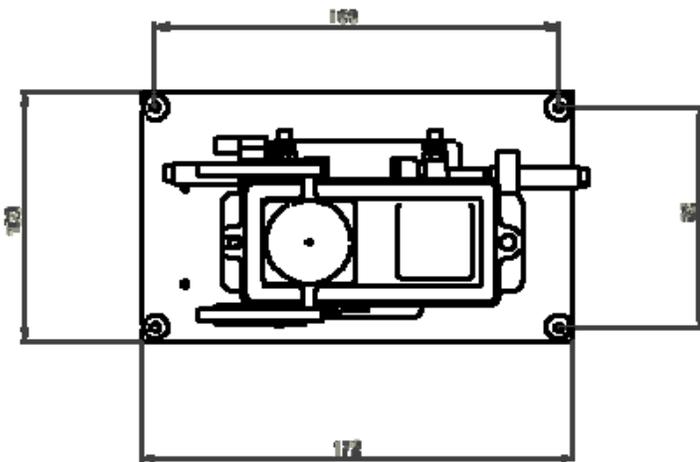
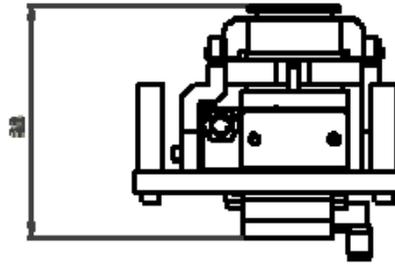
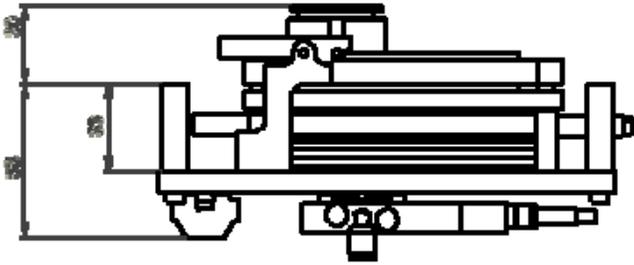
PoP Placement



Juki machines are ideally suited for PoP (Package on Package) applications. PoP is a placement method which allows a higher vertical placement density and makes a component construction kit possible. Memory components can, for example, be placed freely onto logic modules creating a more cost effective solution that allows memory size to be freely adapted to the market needs.

Components used in PoP applications are usually BGA or μ BGA and, depending on the placement process, at least the upper component has to be fluxed at the solder bumps in order to secure it and to prepare it for the reflow process.

Linear Fluxer Dimensions (excluding mounting plate)



Standard fluxer plates are offered with each fluxer. Blank plates are also available that can be custom machined for specific applications. For more information on Juki fluxer and PoP applications and use, please contact the Juki applications group:

Gerry Padnos
Director of Technology
507 Airport Blvd.
Morrisville, NC
919-460-0111x120
gpadnos@jas-smt.com

Frank Ruiz
Applications Engineer
47102 Mission Falls Court
Fremont, CA 94539
510-249-6703
fruib@jas-smt.com