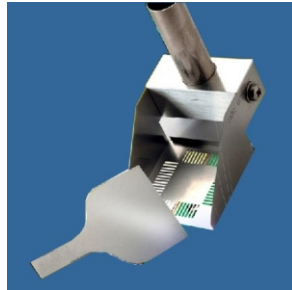


## PRODUCT Highlight

# MINI REWORK STENCILS

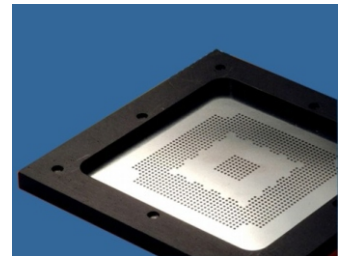
### Flip Mini Rework Stencils



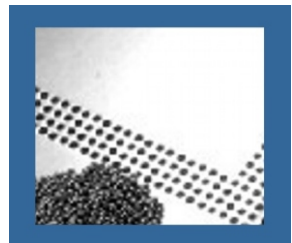
Global Stencil produces many types of stencils to rework components on PCB's. These stencils provide a method of re-applying solder paste to the PCB pads once the defect part has been removed and the solder cleaned from the board pads. These stencils typically have walls folded up on three sides and a handle suspended on top so that the stencil can be lowered onto the board pads. The paste is squeegeed across the stencil with the included squeegee, and then the assembly is "flipped" forward to release the stencil from the board. The part is then placed and reflowed at the board level. These stencils work well when the components are relatively large and there is sufficient clearance around the pads.

### Component Print Mini Stencils

With the introduction of smaller components, in many cases there is not enough clearance to reprint paste on the PCB and the need remains to replace a component on the assembly. The component should be removed and the excess solder removed from the PCB pads. Once this is accomplished, paste can be applied to the component leads using a stencil and holding fixture. The part fits in a recessed area on the bottom of the stencil, is secured in place and paste is applied on the top side of the stencil. The part is removed, placed onto the SMT pads and reflowed at the board level.



### BGA Reballing Stencils and Fixtures



On some occasions, expensive BGA components may be found to have a short or open once attached to the PCB. In this case, the part can be removed, excess solder removed from the PCB pads and the solder balls removed from the package. Global Stencil's BGA Reballing stencils can be used to replace balls back onto the component and then reflow the component so that the balls are now replaced. At this point the component can be reattached to the PCB saving valuable components.

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