

APPARATUS AND METHOD FOR FILLING A BALL GRID ARRAY**ABSTRACT**

An apparatus and method for filling a ball grid array template and a method for transferring a plurality of balls are disclosed. The apparatus includes a flat base, a plate and a stationary ball supply bin. The plate is mounted on the base and configured to be rotatable about a first axis perpendicular to the base. An upper surface of the plate includes a plurality of holes forming the ball grid array template. The stationary ball supply bin is mounted to the base. The base is configured to be inclined at an angle relative to a horizontal plane. The ball supply bin is configured in use to dispense a plurality of balls onto the corresponding plurality of holes forming the ball grid array template as the plate is rotated about the first axis.

FIG. 1A