

SOLDER DROSS REMOVAL APPARATUS AND METHOD

ABSTRACT OF THE DISCLOSURE

An apparatus and method for recovering solder from dross present on the surface of a molten solder where it is exposed to atmospheric air. The apparatus includes a solder reservoir for holding a pool of molten solder, and a solder nozzle disposed in the solder reservoir and adapted to direct a solder wave against a printed circuit board to be soldered. The solder nozzle includes opposite side troughs inclined downwardly toward one side of the solder reservoir to direct dross toward a dross zone. A semicircular hood extends across the solder reservoir and located above the dross zone. A screw extends across the solder reservoir and covered by the hood. The screw is activated to agitate the dross so as to remove oxides and recover solder from the dross.

Figure 1



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