

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.