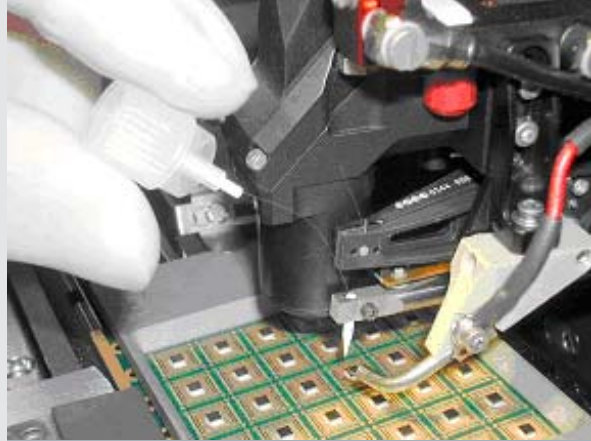


# Capillary Unplugging Tool (CUW)

**SPT's CUW** - Capillary unplugging tool offers an easy and economical way to unplug clogged capillary. This is especially useful for engineers during bonding evaluation when the optimum process parameters are not defined yet and the gold ball tends to get clogged in the capillary holes.

The unplugging tool has also proven to be helpful to production operators when they have difficulties in threading the wire through the capillary. Instead of changing to a new capillary, the unplugging tool can help to push out gold residues, foreign particles and gold ball out of the hole. This can be done by simply inserting the tip of the unplugging tool from the top of the capillary and gently raises and lowers the wire within the capillary.



# The Advantages



- Clogged capillaries can easily be unplugged, hence minimizing capillary wastage before end of tool life.
- User friendly. Removal of capillary from the transducer is not necessary as the flexible tip of the unplugging tool can be inserted from the top of the capillary as illustrated.
- Optimize tip configuration to handle a wide range of capillary hole size.
- Each unplugging tool can be used more than dozen of times thus saving unnecessary wastage of capillary and production down time.
- Especially useful for ultra fine-pitch capillaries where the hole to gold wire clearance is very limited by the bonding application and the capillary hole gets clogged easily.

## How To Order

PART NUMBER	CAPILLARY HOLE SIZE
CUW-15	15-23 $\mu$ m
CUW-25	25-33 $\mu$ m
CUW-35	35-43 $\mu$ m
CUW-45	46-56 $\mu$ m