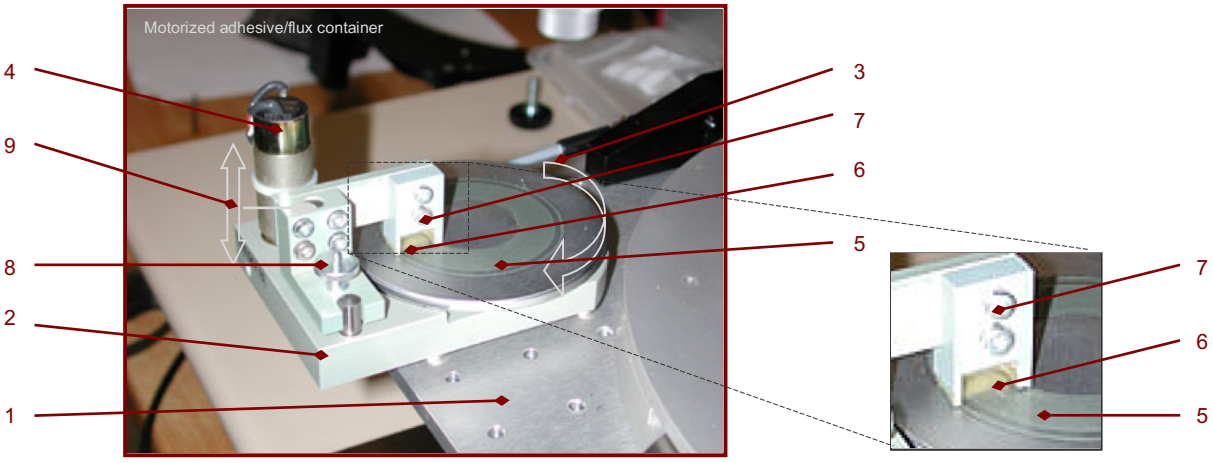
STAMPING and FLUX Station

with Tresky's motorised adhesive/flux container

Suitable for stamping of adhesive or for dipping of picked-up Flip-Chip (or any other component) into Flux before placement.
Both processes use the same motorised adhesive/flux container. The motorised container is maintaining a defined and constant layer of flux or adhesive. For stamping of adhesives application, is the stamping tool, attached to the dispenser arm by means of an adapter.



1 universal XY- work table plate
2 motorised container unit (attached on any convenient place on 1)
3 rotative adhesive/flux plate (easy and without any tool removable for cleaning purposes)
4 adhesive/flux plate motor (rotates 3 continuously, stops for dipping of the stamping and starts to rotate again)
5 defined and constant layer of flux or adhesive (layer thickness defined by the gap between 3 & 7; gap adjustment by 8)
6 adhesive/flux chamber
7 skim-off tool (with chamber); (defines 5)
8 micro meter screw for the adjustment of the adhesive or flux layer thickness
9 skim-off tool assembly

Stamping of adhesive procedure:

- By activating the dispenser mode the stamping tool moves down into active position
- Move XY table 1with 2 below the stamping tool position
- Move Z-Drive down until the stamping tool dips into predefined layer of adhesive
- Move dipped tool to the placement position and stamp the adhesive there by Z motion
- Repeat this sequence for all required stamping position
- Activate the pick and place mode and proceed with the "normal" pick and place to this positions

Dipping of picked-up components into flux procedure:

- Pick-up the component (as usual with its bonding parameters)
- Move XY table 1with picked-up component below the spindle position
- Move Z-Drive down until the component on the spindle dips/places into the predefined layer of flux
- Pick-up the fluxed component from 3 by the Z-Drive
- Move to the XY placement position and place the component (as usual with its bonding parameters) on its corresponding position
- Repeat this sequence as required

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