

Tooling Resin and Pastes



To create a master mold, thick tooling pastes are dispensed onto rough forms. The tooling paste creates a solid machinable surface that is shaped and detailed by CNC robots. Tooling pastes can be applied either by hand or by automated means on a wide range of forms and sizes.

Applying a controlled flow of well-mixed, air-free, two-component epoxy or urethane is important in order to achieve high quality detail in the final machined surface with few if any voids. Flow rates need to be controlled and usually will be set to the speed at which the operator or robot can handle, usually in the 1 to 5 kg per minute range.

Tooling resin machines can also be used to dispense large quantities of two-component thixotropic adhesives.