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4.500 Introduction to Design Computing
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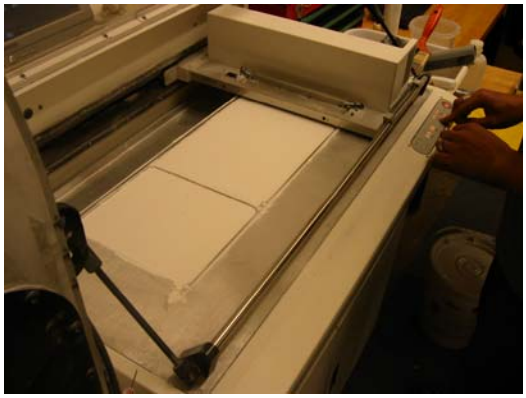
Massachusetts Institute of Technology
Department of Architecture

Recitation #5
3D Printing
Professor Larry Sass

Step 1 – Lift build tray



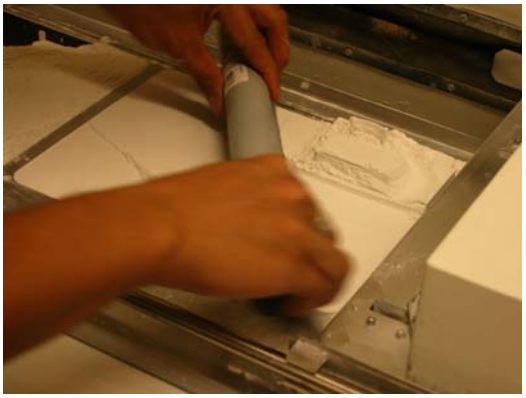
Step 2 – Model Removal Tools

Step 3 – Use brushes to find top of model feed

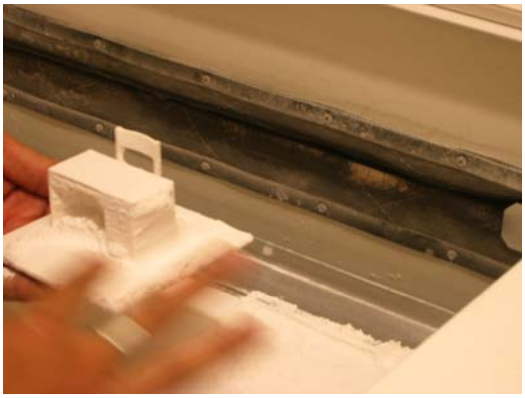
Step 4 – Lightly brush from the build to the

Step 5 – Use squeegee to remove large areas of plaster

Step 6 – Take model from printer to de-powdering machine

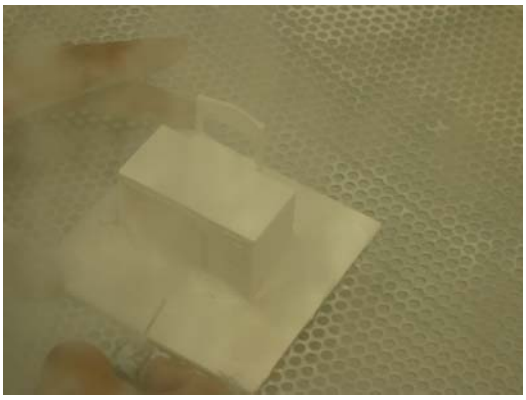


Step 7 – Remove large areas of plaster in the de-powdering box.



Step 8 – Never completely clean model

Step 9 – Place model in oven for drying again



Step 10 – Let dry for 30-60 min then de- powder

Step 11 – Dip model in wax after de-powder let dry on shelf for 1 hour

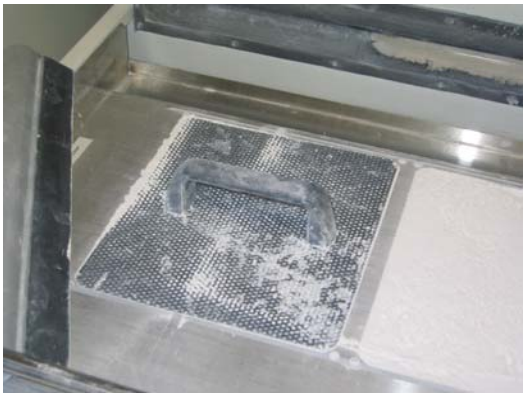
Step 12 – Reset machine, place powder from over flow into the feed

Feed
Overflow

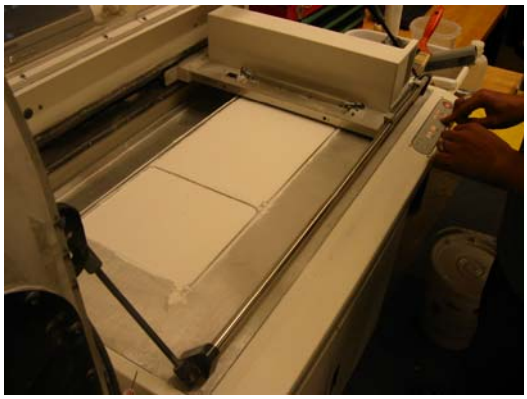
Step 13 – Two scoops of plaster then pack with scoop “make sure the build is all the way up

Step 14 – Return overflow

Step 15 – Pack powder with mesh tool



Step 16 – Vacuum the entire machine and floor

Step 17 – Set surfaces for feed and build. build must be at the top (Empty)

Step 18 – Vacuum computers and table for * The dust