Material System Apparatus

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The apparatus used to create the final designs was initially designed with the potential to create columns through angulation of the funnel systems. Through the manipulation of specific variables, like amount of water or height of the funnels, it became fully realised as a material system apparatus rather then final replicated prototype. The addition of fully enclosed plywood sides ensured the saftey of the conductor whilst being constructs to hold the upper panels in place above, which as moveable. The funnels themselves have three different forms which include the extended long nozzle, mid length nozzle and short nozzle. Through utilisation of each it became apparent that in order to create specifically targeted columns that the longest nozzle would be superior. The mold utilised was a metal bucket that had an overall capacity of 50L, which is a significant jump from the first inital experiments which had a maximum capacity of 100ml to 200ml. The one remaining issue however is the inclusion of human error which is capable. If complete care is not taken into the timing, length of the pour or where in the funnel to pour the final result can be significantly altered. When care is taken then the results are suprisingly predictable with the ensurance that resulting models will maintain columns, However the potential for extensive column implementation isn't probable with three main funnels, therefore requiring the addition of morefunnels. By increasing this number, the spatial dynamic within 500mm x 500mm becomes extensively cramped and in-operable.