SIDE VIEW

longitudinal travel of metal powder hopper

longitudinal travel of electron beam gun

statically charged rake

GUN #8

GUN #9
lateral travel of electron gun
SEM electron beam gun

stepper motor

plunger block for matched pair angular contact bearings

lead screw

linear bearing

linear bearing

plumber block (hidden) for deep groove ball bearing
Build table drum

circular so to make possible a high degree of symmetry to achieve a gap of metal powder between build table and drum wall.

Plan view

build table guide bearings
Build table drum
metal powder over grill tray

lead screw assembly for x and y transport

(Note: each part of the lead screw assembly is individually selected)