

ABSTRACT

The aim of the automatic spray-painting system is to solve the problem faced by medium and small-scale industries. The lack of availability of labors in various manufacturing industries has made automatic painting system viable in the present scenario. Here we provide automatic spray-painting machine to mitigate the problem of labor shortage in small scale as well as medium scale industries. In this project we have fabricated the automatic paint spraying equipment in closed and concealed box with automated equipment.

This system uses in general compressed air to spray the paint. It's a technology to paint the specimen using compressed air with paint on to the surface. The paint particles are directed by the compressed air in from the air compressor.

The size of the spray particles is determined by the nozzle airbrush size and it also distinguishes the pattern of the sprayer. When spray painter, paintbrushes are modified based on the pattern various applications like fine arts, painting nails and photo retouching etc., use their equipment to which this automatic spray painter can be attached to give high performance. This system helps to increase production rate at a very low cost as it requires less labor.