

Easy Spray Gun For Industrial Liquid

TECHNOLOGY DESCRIPTION

This technology is an apparatus related to a linear motor operated spray gun which can be operated as an air spray gun.

TECHNOLOGY FEATURES

This technology employs a high volume low pressure (HVLP) air spray gun, an airless spray gun and an air assisted airless spray gun without dismantling the total system. The spray units can be rotated easily for easier spraying. The technology is more effective compared to the current available technology in market which uses pneumatic system. All the components are housed in a single gun body to ensure easy application.

ADVANTAGES

- The spray units can be rotated either side
- Easy to handle
- Contains three types of spray in one component.

INDUSTRY OVERVIEW

Prospect: Automotive Industry, Agriculture Industry, Furniture Industry, Aerospace and Defense Industry, Construction Industry

Spray gun is a tool that uses compressed air from a nozzle to atomize a liquid into a controlled pattern. The spray nozzle operates by impinging high-velocity turbulent air on the surface of filaments or films of liquid, causing them to collapse to droplets with a wide range of sizes. The main regions of the spray gun industry includes North American, Europe and Asia, and the specific main players to be originating from the United States, Germany, Japan and China. There are about 468 suppliers of various spray gun types globally. The present invention relates to an apparatus of painting operation. More particularly the present invention links to a linear motor operated spray gun which can be used as an air spray gun, a high volume low pressure (HVLP) air spray gun, an airless spray gun and an air assisted airless spray gun without having to dismantle the total system. Among the market buyers for this product listed under SMEs database or other relevant are Automotive Industry (28 manufacturing and assembly plants), Agriculture Industry (355 companies), Furniture Industry (2400 companies), Aerospace and Defense Industry (87 companies), and Construction Industry (1558 companies).

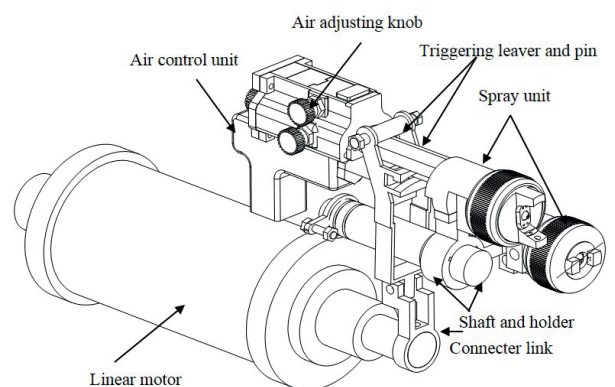


Figure 9: Spray gun and its internal system

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