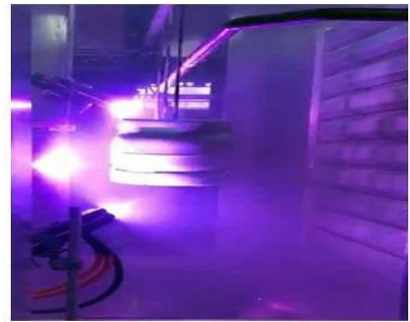
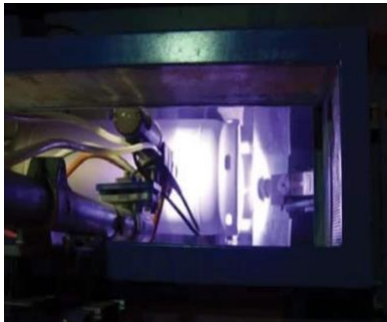


LPG Bottles Protected by Techniqa Surface Engineering

TSE offers corrosion protection solutions for all LPG cylinders. These cylinders are always stored and used in the area of highly corrosive climatic conditions. For safety of the cylinders shell, the outer surface is duly blasted and zinc spray coated to prevent against corrosion.

TSE offers automatic airless type shot blasting and fully automatic zinc spraying. The conveyor system and number of blasting / metallizing stations are designed to meet customer's production requirements up to 2000 Cylinders per/day, per machine.

TSE, metal spraying equipment in response to demands from the LPG cylinder industry for more superior and reliable resistance to corrosion. To provide the level of corrosion protection needed, each bottle needs to be metal sprayed prior to wet painting. Metal sprayed bottles will be fit for useable service for between 15 and 20 years, before routine inspection is required. Metal spraying is a technology that protects or extends the life of a wide variety of products in the most hostile environments.



Normally, LPG bottles are simply coated with either wet paint or a powder coat, which are both liable to damage through normal wear and tear, leaving the metal exposed and leading to corrosion, wear, and tear.



The surface of the bottles needs to be prepared to ensure an adequate profile is created for metal spray adhesion. This is done by grit blasting the bottles in an automatic blasting machine, which produces a blast cleanliness of SA 2.5. Once the surface has been prepared, the metal spraying can begin.

The bottles are automatically fed into the metal spray machine, which aligns the pistols and rotates each bottle. One metal spray pistol moves across the base and sprays the bottom of the bottle, a second, fixed pistol, sprays the bottle neck and shroud and a third pistol traverses along the length of the bottle to coat the sides.



All machines are also equipped with dust extraction and dry filtration equipment, to ensure there is no contamination of the coating and to provide a safe working environment.



subjected to greater wear and tear.

Each bottle is coated with an average of 50 microns of zinc. The base of the bottles is coated with a slightly thicker coating to provide greater protection in an area normally



For further information on surface coatings, please contact Victor on (+97152 840-4486) or visit www.tecniqa.info