



Unit 8 Lagrange, Tamworth, Staffs, UK B79 7XD

Tel: +44 (0) 1827 63489

Fax: +44 (0) 1827 51918

E-mail: info@optical-coatings.com

Web: www.optical-coatings.com

Spray Coating

This is a coating application method that involves separating a liquid into fine particles to form a mist that is directed at the surface. Spraying commonly employs compressed gas—usually air—to atomize and direct the paint particles. Spraying gives more control over the areas to be coated and is usually favoured where a section of the part to be coated must be kept free of coating. Our spray guns can be either manual or automated.

In the manual operation method the spray gun is held by a skilled operator about 15cm to 25cm from the object and moved back and forth over the surface, each stroke overlapping the previous to ensure a continuous coat. In the automatic process the gun head is attached to a robot's moving arm and delivers the stream of coating from that position. The object being coated is usually placed on rollers or a turntable to ensure overall equal coverage of all sides.

There are a wide range of spray gun nozzle shapes and sizes depending on the consistency of the coating and the area of the part to be coated.