



LOBO Systems Electroplate Finish

The Electroplate finish on the LOBO Systems is completely inert in the same way as a chrome finish is.

It has been adopted for use at NASA, Airbus, Lockheed, Raytheon, Boeing and L3 and ATK. Many food companies, for example Heinz, Kellogg's, ADM, Weetabix, 2 Sisters Food Group, Anheuser-Busch and Carlsberg successfully use LOBO and it has been used extensively at Rolls Royce in 14 different locations throughout the UK for over 10 years. In all applications and uses the product finish has proved to be more than satisfactory.

The electroplate process was chosen to finish the product for a number of reasons;

It gives the product a distinctive finish that sets it apart from any other access equipment, and, as it is only 8 microns thick, it allows the clamps to function properly.

To apply the finish, the product must be chemically clean; this means it is a consistent and known status to start with.

The cleaning process strips out all the grease and dirt left over from the manufacturing process and also removes any oxidization.

As the product is dipped, the hollow components are clean on the inside as well as on the outside.

When the product leaves the LOBO warehouse it is clean, free from grease and can be handled without any contamination issues. A simple wipe over is all that may be required to freshen it up, but any dirt would be superficial and can easily be removed.

For some customers in the Nuclear Industry the components are sealed, after cleaning, with a decontaminant prior to shipping.

What makes the electroplating process attractive is that it was not a paint process, for example being powder coated, and therefore does not come off with everyday use. Only a very strong acid can remove the electroplate finish from the product.

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Conformities

EU: BS 1139 parts 3 & 4, BS EN1004:2004 

USA: OSHA Compliant, ANSI A10.8, 29 CFR Part 1920 (General Industry)

Canada: S269.2 Access for construction purposes

Australia: AS/NZS 1576.5:1995, AS/NZS 1576.3:1995 Tower.



The LOBO system is electro-plated by an independent company who follow the procedures below:

- “a) Prior to the electroplating process the surface to be plated is made clean and free from all organic material and oxides.
- b) The coating is an element and is protected by a passivation layer to further protect the element layer which produces a passive inert surface.
- c) To the best of our knowledge, and that of our chemical suppliers, the materials used have no release at ambient temperatures and pressures unless attacked by aggressive chemicals”

Our customers consider the LOBO finish to be acceptable especially, as the last part of the process, a passive coating to seal the surface, is applied. This leaves the product sealed and stops particles of oxidization from forming. It also helps to reduce contamination and means the product can be wiped down to remove any contaminants in the future, without fear of oxidation particles forming.

LOBO is deployed at a number of customers who use it in their clean rooms and they have always found the product to be satisfactory in this environment. Examples of clean room customers include The European Aeronautic Defence and Space Company, Pfizer, Wyeth Pharmaceuticals, Atomic Weapons Establishment and Genzyme Biotechnology Corporation.

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