

Model Cold

Description: metalising is a technique to cover machine parts or different structures for a projection to suit the service requirements of the surfaces or to repair different types of worn or badly machined parts. It consists of a gun with a heat source (oxy-acetylene or electric arc), which atomises the material into powder or wire and projects it onto a duly prepared base in order to create a layer providing the surface features required.

The basic advantages of this process are: low heat (normally not over 150°C, thus no structure changes to the base material or deformities are produced), the possibility of providing different materials from the base material and micro-porosity (allowing for friction on lubricated parts to be improved).