Abstract

Industrial finished products in order to strengthen the property and appearance of the substrate, etc., are often the implementation of surface treatment, electro-plating is the most commonly used method. In particular, chrome-plated way is very popular. The ferrous metal surface chrome-plating is already common, but the recent years non-ferrous metal surface chrome-plating was also similar to the mushroom growth is catching up with popularly. Because two kinds of material qualities are different, requests the improvement the key characteristic to be different. Therefore, in the same electroplating process is also not the same. For example, ferrous metals in the medium-carbon steel chrome-plated, to improve the properties of the lot, but one of the most concerned about is to increase the resistance to oxidation or corrosion resistance. In the non-ferrous metals, the relatively soft brass, chrome-plated surface, the most important is to improve the hardness. Of course, material category decision galvanization time many or few and so on. In this paper, the contents of the above proposed to be described in detail.

Keywords: electroplating, chromium, iron and non-ferrous metals, the medium-carbon steel and brass