

Journal of Physics: Conference Series 2013 vol.479 N1

Investigation of the influence of plasma-electrolytic processing on the surface of austenitic chromium-nickel steels

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Abstract

Investigated the plasma-electrolytic processing of austenitic chromium-nickel steel. Determined that the treatment process consists of three parts: the anodic dissolution of metal anode microdischarge area burned and the area in which the combustion gas discharge-Glow vapor-gas layer around the electrode without the occurrence of certain microdischarge. The effect of processing parameters on the morphology of the surface. © Published under licence by IOP Publishing Ltd.

<http://dx.doi.org/10.1088/1742-6596/479/1/012003>
