

Surface thermohardening by the fast-moving electric arch

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Abstract

© Published under licence by IOP Publishing Ltd. This paper describes the technology of modern engineering-plasma hardening steels and prospects of its application. It gives the opportunity to manage the process without using of cooling media, vacuum, special coatings to improve the absorptive capacity of hardened surfaces; the simplicity, the low cost, the maneuverability, a small size of the process equipment; a possibility of the automation and the robotization of technological process.

<http://dx.doi.org/10.1088/1742-6596/789/1/012010>

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