

Journal of Physics: Conference Series 2016 vol.669 N1

Surface hardening of cutting elements agricultural machinery vibro arc plasma

Sharifullin S., Adigamov N., Solovev R., Arakcheeva K.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

At present, the state technical policy aimed at the modernization of worn equipment, including agriculture, based on the use of high-performance technology called nanotechnology. By upgrading worn-out equipment meant restoring it with the achievement of the above parameters passport. The existing traditional technologies are not suitable for the repair of worn-out equipment modernization. This is especially true of imported equipment. Out here alone - is the use of high-performance technologies. In this paper, we consider the use of vibro arc plasma for surface hardening of cutting elements of agricultural machinery.

<http://dx.doi.org/10.1088/1742-6596/669/1/012049>
