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Chemical deposition of nickel with inclusion of ultradispersed diamonds

ABSTRACT. In this paper the state-of-the-art technology of deposition of diamond–nickel coatings on synthetic diamond surfaces is described. Owing to the presence of nanodiamond particles, the coating is extremely hard and can be effectively used when manufacturing superabrasive tools.

Keywords: coating, diamond wheel, grinding, nanodiamond, ultradispersed diamond

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