

Research and development of technological bases for increasing of efficiency plasma spray coatings with magnetic acts.

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Results

The base energetic characteristics of plasmatrons on complicated gases mixtures are researched; experimental researches of the role of electromagnetic fields on the formation gas-powders streams in the processes of plasma spraying are fixed; working models of equipment are developed; influence of regime parameters on the results of the quantity of plasma coatings from the materials different physical nature is studied; the main peculiarities of coatings are pointed out; technological recommendations on application of magnetic controlling of formation plasma coatings are proposed

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