

TESTING OF PLASMA AND HEAT SPRAYED LAYERS ON DIES AND FURTHER PARTS WITH LIQUID METAL AT PRESSURE DIE CASTING

RAGAN Emil¹, ŽARNOVSKÝ Jozef²

¹ Faculty of Manufacturing Technologies of the Technical University of Košice with a seat in Presov, Štúrova 31, 080 01 Prešov, Slovak Republik,

² Technical faculty, Slovak University of Agriculture of nitra, Tr. A. Hlinku 2, 949 76 Nitra

Plasma spraying molybdenum and ceramic layers and heat spraying molybdenum layers on samples are described in the contribution. Further theoretical analysis, evaluating adherence and microstructure of the layers together with results of technological tests of plasma sprayed samples on heat fatigue and tests of corrosion and application of tests results are mentioned.

Keywords: plasma spraying, heat spraying, molybdenum layer, ceramic layer, adherence of sprayed layers, tests on heat fatigue

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