

# The plastic deformation of Heusler alloys by the multiple isothermal forging

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Heusler alloys belong to a class of promising functional materials. The ferromagnetic shape memory and magnetocaloric effects are observed in materials. The main disadvantage is degradation during heating and cooling through the martensitic transformation. One of the ways to improve the stability of the functional properties of these materials is the plastic deformation by the different methods. The results of the influence of the plastic deformation by the multiple isothermal forging on the functional properties are presented in the paper. The study of the dilatometry, magnetic and electrical properties of Ni<sub>2</sub>MnGa alloy after plastic deformation by forging is shown.

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