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## NEWS

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### METAL SAVING METHOD OF MOULDING

This method has been proposed by researchers at the Kazakh Academy of Sciences. It consists in moulding and rolling hard alloys in a superplastic condition, and is based on the temporary ability of metals to take any shape without being destroyed.

Researchers have found that such a condition can be effected in any group of steels and alloys through selecting additives and preliminary treatment, particularly using methods of powder metallurgy. This new method is very promising. Having studied specific features of superplasticity, researchers have given

recommendations to metallurgical and machine-building plants.

The determination of the threshold of superplasticity gives unlimited opportunities to make parts and blanks from hard-to-deform steels and alloys by die forging. In this case, metal wastes are substantially reduced and less electricity is consumed. Many industrial enterprises have started to forge parts in moulds under gas pressure, taking into account the threshold of superplasticity. (*Soviet Features*, Vol. XXIII, No. 185, p. 5, December 7, 1984.)