

# Thixoforming of shaped aluminum parts

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*This paper presents new fundamental principles and criteria of producing a fine grained microstructure in sophisticated molded parts by casting and forming viz. the thixoforming principles. Application results of the new metal-forming process for parts made from cast and wrought aluminum alloys by thixoforming and isothermal thixoextrusion techniques are analyzed.*

**Keywords:** *thixoforming, wrought aluminum alloys, feedstock, forming, microstructure, properties.*

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