

# NECESSARY CUTTING ENERGY IN ABRASIVE WATERJET MACHINING

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## TÓM TẮT:

This paper introduces a new study on the modeling of AWJ necessary cutting energy. In the study, a model for prediction of the necessary cutting energy is proposed by combining physical-mathematical models and experimental methods. The effects of various jet parameters as well as the effects of the abrasive size, abrasive material and the effect of work material on the necessary cutting energy are taken into account.