

## TECHICO-ECONOMICAL CONSIDERATIONS ON ABRASIVE WATER JET CUTTING

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### ABSTRACT

*Water jet cutting is undoubtedly the most spectacular and modern cutting processes. This technology, classified as non-conventional technologies, is less used in our country and therefore, researches in this area are still ongoing. This paper wants to make a summary of the implementation process issues, outlining not only the physical bases, but also the equipment used, considerations on technological parameters and economic problems, according to the type and thickness of material to be cut. Also, are analyzed some possible research directions for the supersonic jet, that will valorise the experience of the authors and the materials used in high-speed filming.*

**KEYWORDS:** water jet, cutting, abrasive water jet cutting, high speed filming, HDRC camera etc.

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