

ANALYSIS OF CHEMICAL MACHINING FOR PRACTICAL APPLICATIONS

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ABSTRACT

Chemical machining (CHM) is the stock removal process for the production of desired shapes and dimensions through selective or overall removal of material by controlled chemical attack with acids or alkalis. This is one of the oldest non-traditional machining process and have some drawbacks also. The main issue faced by chemical machining is the reduced material removal rate when compared to other non-traditional machining techniques. Accuracy of machining should also paid attention. Apart from that, since we are using chemical etchants for the process, it also have got some environmental issues. The machining quality of chemical machining is comparatively less. So it is necessary to think of an idea to improve the quality of machining. Laser-chemical machining is a method which can be adopted for improving the quality of machining. Improving the surface roughness should also paid attention. This study is an investigation to find the ways to solve the above specified issues.

KEYWORDS: Chemical Machining, Photochemical Blanking,



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