

ABSTRACT

The quality of machined components is evaluated in respect of how closely they adhere to set product finish, and reflective properties. The purpose of this research is to investigate the effect of the main factors of the surface roughness and flatness in aluminum 5052 face milling with dry and wet condition. This experimental investigation to be conducted by using VMC controlled milling machine with 40mm face milling cutter with carbide inserts. The same parameter will be executed during the machining time only difference minimum quantity lubricant for one set of operation and another set of operation has no lubricant. Finally, to be analyzed and compared both type of machining and geometrical character.