

Abstract Details

Title: To Optimise Material Removal Rate On Cnc Tools As Per Desired Surface Roughness By Taguchi Method :A Review

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Abstract: This Is The Demand Of Modern Industries To Get A Good Quality Product At A Valuable Cost. Modern Day Technology Like Cnc Increases Production Rate And It Increases Rapidly Due To The Automation Of Modern Machines Any Erroneous Selection Of Cutting Parameters Will Result In A Huge Loss Of Production Cost. And There Are Different Parameters That Affect The Quality And Quantity Of Processes. In This Research Paper, We Fundamentally Examine Some Standard Parameters Such As Feed Rate, Cutting Depth, Cutting Speed And Lubricants To Define A Standard Condition For Reaching Surface Roughness Desired And The Tool Life. The Calculation Of These Parameters Is Done Using The Taguchi Method And The Anova Approach. The Purpose Of This To Optimise Mrr.

Keywords: Turning, Material Removal Rate, Surface Roughness, Taguchi Technique