

Table of Contents

Preface

Turning Investigations on Machining of Ti64 Alloy with Different Cutting Tool Inserts S. Ramesh and L. Karunamoorthy	1
Multi-Objective Optimization on Drilling of Titanium Alloy (Ti6Al4V) A. Prabukarthi, V. Krishnaraj and M. Senthil Kumar	29
Experimental Study on Tool Wear when Machining Super Titanium Alloys: Ti6Al4V and Ti-555 M. Nouari and H. Makich	51
Statistical Approach for Modeling Abrasive Tool Wear and Experimental Validation when Turning the Difficult to Cut Titanium Alloys Ti6Al4V F. Halila, C. Czarnota and M. Nouari	65
Laser Assisted Machining of Titanium Alloys N.M. Warap, Z. Mohid and E.A. Rahim	91
Influence of Tool Geometry and Machining Parameters on the Surface Quality and the Effect of Surface Quality on Compressive Strength of Carbon Fibre Reinforced Plastic M. Haddad, R. Zitoune, F. Eyma and B. Castanié	107
Analysis of Stresses in CFRP Composite Plates Drilled with Conventional and Abrasive Water Jet Machining M. Saleem, H. Bougherara, L. Toubal, F. Cénac and R. Zitoune	127
Challenges in Drilling of Multi-Materials V. Krishnaraj, R. Zitoune, F. Collombet and J.P. Davim	145