

Table of Contents

Preface

Ceramic Cutting Tools - An Introduction

X.S. Li and I.M. Low 1

Manufacturing Methods of Ceramic Cutting Tools

E.O. Ezugwu 19

Material Properties of Ceramic Cutting Tools

S.Y. Kim 33

Cutting Forces of Ceramic Cutting Tools

X.S. Li and I.M. Low 81

Wear Behaviour of Ceramic Cutting-Tools

G.W. Stachowiak and G.B. Stachowiak 137

Characteristics of Ceramic Tool Fracture

X. Ai and Z.Q. Li 165

Ceramic-Coated Cutting Tools

S. Hanasaki and J. Fujiwara 197

Machining of Cast Iron with Advanced Ceramic Tools

R. Krishnamurthy and V. Sivasankaran 221