

Section

MACHINE CONSTRUCTION

CONTENTS

	<u>Pag.</u>
EUGEN CARATA, MIHĂIȚĂ HORODINCĂ and LIVIU CAȘCAVAL, Closed Loop Control for Roll Profile on CNC Grinding Machine (English, Romanian Summary).....	1
CRISTIAN CROITORU and MIHAI SEVERINCU, New Approach on Geometry Tools with Indexable Inserts. I. Theoretical Approach (English, Romanian Summary).....	7
ANA-MARIA BOCĂNEȚ and MIRCEA COZMÎNCĂ, Theoretical Contributions to the Development of New Valuation Models of Face Milling Forces (English, Romanian Summary).....	17
VICTOR CĂLĂTORU, MAREK BALAZINSKI and MICKAEL RIVETTE, Investigation into Potential Use of Artificial Intelligence Techniques in Piloting Additive Manufacturing Systems for Metallic Materials (English, Romanian Summary).....	25
BRUNO RĂDULESCU and MARA-CRISTINA RĂDULESCU, Investment and Decision Elements for Thermal or Water Jet Cutting Machine (English, Romanian Summary)	39
BRUNO RĂDULESCU and MARA-CRISTINA RĂDULESCU, Specific Conditions of Using Milling Inserts (English, Romanian Summary).....	45

DANIELA (BOGDAN) AMARIȚEI and CĂTĂLIN GABRIEL DUMITRAȘ, Some Aspects Regarding the Implementation of Statistical Process Control Plan (English, Romanian Summary).....	51
BOGDAN-GABRIEL ANIȚĂ and CĂTĂLIN DUMITRAȘ, Study upon Milling Complex Surface. Part I: Modelling of Milling Process (English, Romanian Summary).....	57
BOGDAN-GABRIEL ANIȚĂ and CĂTĂLIN DUMITRAȘ, Study upon Milling Complex Surface. Part II: High Speed Machining and Machining Errors (English, Romanian Summary)	65
AURORA ALEXANDRESCU and ADINA SIMONA MIRON, The Water Quality's Improvement through the Optimization of the Parameters from Pumping Station (English, Romanian Summary).....	73