

"Tetsu-to-Hagané"

Vol.94 No.10 October, 2008

Contents

Special Issue on "Progress of Analysis on Micro-plasticity and Practical Technology in Temper Rolling"

Preface to the Special Issue on "Progress of Analysis on Micro-plasticity and Practical Technology in Temper Rolling" (Preface)	
I. YARITA	383
FE Simulation of Non-uniform Plastic Deformation of Steel Sheet and Elimination of Yield Point in Temper Rolling	
F. YOSHIDA, T. UEMORI, Y. KANEDA, S. YAMAMOTO, Y. GOTO and G. SAKAI	384
Stress and Strain Analysis in Temper Rolling for Thin Steel Sheet by Elastic-Plastic Finite Element Method	
I. YARITA and M. ITOH	391
Analysis of Surface Roughness Transcription in Skin-pass Rolling Using Zooming Method	
N. YUKAWA, T. AKIYAMA, Y. YOSHIDA and T. ISHIKAWA	399
Transcription of Roll Surface Texture onto Deforming Material in Temper Rolling	
I. YARITA, M. ITOH, N. NAGASE and S. SHIDO	405
The Effect of Lubricant on Microwear of Dull Rolls in Temper Rolling by 4Hi Rolling Mill	
N. NAGASE, S. SHIDO and I. YARITA	415
Imprinting of Dull Roll Surface Texture to Carbon Steel Strips in Temper Rolling by Dry Condition	
N. NAGASE, S. SHIDO and I. YARITA	422
The Effect of Soluble Lubricant on Surface Imprinting in Temper Rolling by 4Hi Rolling Mill	
N. NAGASE, S. SHIDO and I. YARITA	429
Surface Qualities of Workpiece and Behavior of Lubricant on Tin Plate in Temper Rolling	
K. AOKI, K. NORO and A. AZUSHIMA	438
Mechanism of Surface Transcription in Temper Rolling of Strips	
M. ATAKA, Y. UENO, K. WATANUKI and Y. IINO	445
Analysis of Longitudinal Buckling in Temper Rolling	
K. KOMORI	452
ISIJ International, Vol.48 (2008), No.10, Synopses and Titles	A33
