

## CONTENTS

### Papermaking Technology II

- 
- 1 Latest Technology of Polyurethane Cover “High-Top Roll” for Applicator Rolls  
.....Hiroya Shimazaki
  - 6 The Changing and Recent Development of Surface Treating Chemicals  
.....Masaki Watanabe
  - 13 History and Trends for Calendering and Reeling Technology.....Eiji Ando
  - 20 Advanced Technology of Web Inspection System.....Satoshi Suzuki
  - 23 Technology and Vision of QCS.....Ken-ichiro Wada
  - 27 Operating Experience of Replacing Inspection and Slit Aiding Systems on PM 1  
and PM 3.....Chiharu Fukuda

---

#### Topics & Information

- 33 Stabilization of Coating and Improvement of Roll Maintenance by Rubber Cover  
for Applicator Roll.....Shigetada Kadomatsu
- 38 Fully Sprit Seal for Accurate Rotation  
—Application to the Vertical Rotating Equipment—.....Takashi Kamizono
- 45 Some Preventive Methods against Erosive Wear in Fluidized Bed Boiler  
.....Tadashi Kimura and Yoichi Shiraishi
- 50 Wet End Improvement Method by Correlation Analysis between Water Quality  
and Machine Operation by S.sensing  
.....Hiroki Katsura, Takashi Saigusa, Katsuhiko Hidaka, Kaname Harada and  
Shinichi Kurihara
- 55 Novel Dissolved Lignin Carryover Measurement in O<sub>2</sub> and D<sub>0</sub> Stages Brings  
Opportunities for Significant Improvements in Fiberline Operations  
.....Niclas Andersson, Akhlesh Mathur, Caroline Wilke, Ulf Germgård and  
Masashi Hasegawa
- 62 Corporate Profile & Product Information (31)  
AQUAS CORPORATION

---

#### Introduction of Research Laboratories (113)

- 68 Kochi Prefectural Paper Technology Center

---

#### Research Report (Original Paper)

- 71 Improvement of Air Filters by Nanocelluloses  
.....Junji Nemoto, Toshihiko Soyama, Tsuguyuki Saito and Akira Isogai

---

#### Review Article (Original Paper)

- 85 Technological Transition of Web Inspection System.....Tadashi Tomomura

- 
- 03 Committee report
  - 67 Essay on Intellectual Property
  - 70 Coffee break
  - 96 Papyrus

- 102 Industry News (Domestic and International)
  - 106 List of Titles in Foreign Journals Received by JAPAN TAPPI
  - 108 List of Patents issued and Laid-open Publication
  - 119 Price list of Domestic Logs and Wood Chips by District
  - 120 Other Monthly Statistics
  - 122 News from the Association
-