

GUIDE TO PULP AND PAPER TESTING

Section 1 - Pulp Evaluation Application Information (download 47KB PDF file)

Introduction to Pulp Evaluation and Sheet Making
Canadian Standard Freeness Tester
Fiber Classifier
PFI Mill
Somerville Screen
Consistency Determination Apparatus
Standard Sheet Former & Drainage System
Semi-Automated Sheet Former & Drainage System
Digital Sheet Press
Schopper-Riegler Beating & Freeness Tester

Section 2 - Sample Preparation for Paper Testing (download 19KB PDF file)

Precision Sample Cutters
Precision Circular Sample Cutters
Paper Cutters
The Laboratory Calendar

Section 3 – Paper Physical Testing Application Information (download 33KB PDF file)

Introduction
Quadrant Scales: 70-10 Series
Monitor Basis Weight Scale
Digital Micrometer: 49-30
Digital Micrometer – Tissue: 49-31
Digital Micrometer – Tissue (SCAN): 49-31
Digital Micrometer – Corrugated: 49-32
Digital Micrometer: 49-70
Digital Micrometer: 49-60
Portable Micrometers
Digital Micrometers
Electric Incinerator

Section 4 – Paper Strength Testing Application Information (download 62KB PDF file)

Introduction

Automatic Bursting Strength Tester - Paper: 13-10 and Board: 13-11

Internal Bond Testers -

 Lab Master Z-Directional Tensile Tester

 Monitor/Internal Bond Tester

Bending Resistance Tester: 79-25

Tensile Testers

 Horizontal Tensile Tester: 84-58

 Universal Tester: 84-01

Box Compression Tester

Puncture Tester

Elmendorf Tear Tester

Digital Elmendorf Tear Tester

Short Span Compression Tester – STFI Type

Crease and Board Stiffness Tester (PIRA)

Compression Tester: 17-60, 17-70

 Fixtures for sample prep. – ECT, RCT

Section 5 – Paper Surface Testing Application Information (download 51KB PDF file)

Monitor/SmoothnessII

Microprocessor Controlled Roughness and Air Permeance Tester: 58-21

Densometer

Densometer with Automatic Timing

Automatic Bekk Smoothness Tester

Automatic Bekk Smoothness Test Station

Parker Print Surf Series

Lab Master Slip and Friction Tester

Lab Measure Slip and Friction Tester

Monitor Slip and Friction

Incline Plane Slip and Friction Tester (COF Tester)

Section 6 – Optical Testing Application Information for Paper and Paperboard (download 42KB PDF file)

Introduction

Brightness, Color and Opacity

Statistical Novogloss Glossmeters