

application note



Roll Hardness Testing

Pudumjee Paper & Pulp Mills Ltd.

Hardness Testing of Paper Rolls

Roll density or hardness is probably the most important factor in determining the difference between a good and bad roll. Rolls that are wound too soft will go out of round while winding or will go out of round when they are handled or stored. Rolls that are wound too tight will also cause problems.

Tightly wound rolls contain high inwound tension. Such rolls due to bad handling, when dropped or squeezed hard by a roll handling truck can have major internal web burst etc

Application

Pudumjee Paper uses Proceq's PaperSchmidt Hammer for testing paper roll hardness. They needed a roll hardness tester to ensure that consistent production of top quality rolls is achieved. Pudumjee wanted to extend their "Quality Assurance" program to monitor each roll hardness and eliminate the roll defects that are caused by roll hardness such as Out of Round Rolls, Internal Web Bursts, Ridges, Baggy Paper and Corrugations.

Customer Quote

"We are using PaperSchmidt Hammer for our internal Quality Control. There was a need for a hand held instrument so that an operator can check roll hardness and ensure that the roll hardness is within the acceptable range for that roll type."

Pudumjee Paper & Pulp Mills Ltd, Pune (India)

Proceq customer since 2010

Profile

Customer

Pudumjee Group is engaged in the manufacture and sale of over 50,000 MT per annum of Specialty Papers including Glasine, Décor Paper base, Electrical Insulation Paper, Creped Soft Tissues amongst others.

Requirements

- Means to measure the paper roll hardness
- Export of data for analysis and recording purpose
- TAPPI T834

Proceq Product

PaperSchmidt

Benefits to the Customer

- Accurate Profiling
- Durability
- Ease of use
- Data export and analysis