

COATING AND CALENDERING

- **Dow Coater**

This equipment is used for testing with various coating formulations. Different technical procedures can be tried to optimise and prepare the coating formulations for the production of coated paper



Dow Web Coater Type D300

- **Beloit Wheeler supercalender**

The calender is utilised for smoothing paper surface. Samples can be calendered at targeted temperature, line load & consecutive passes. The finish result will vary according to the raw material used to make the paper and the pressure applied on it.



Beloit Wheeler Supercalender

- **AA-GWR water retention meter**

This instrument measures the water retention of coating colours. Coating colour is poured into a test cell and separated from a blotting paper with a filter. The cell is pressurised between 0.25 and 2 bar for a given time period. The amount of water going into the blotting paper is then measured by weight.



AA-GWR Water Retention Meter.
Image taken from: www.kaltecs.com.