

SUPER CALENDER

Super Calender or soft calender is used for surface polishing and develop the smoothness and gloss on the surface of the paper. Calendering has three main functions:

- ❖ Improving paper surface properties (smoothness, gloss), to improve printing properties, or other factors related to further processing.
- ❖ Adjusting paper thickness, or caliper, to obtain paper of desired density
- ❖ Leveling the paper caliper profile, to obtain smooth and even rolls at the winder.

Calendering is implemented by means of leading the web through a system of nips between two or more rolls. The paper passes through up to 16 rolls, which apply pressure and temperature to the coated paper surface. Moreover, calendering may be used for various special purposes, e.g., for stamping relief designs on the paper with patterned rolls. Most printing-specific properties of paper are improved at calendering.



Salient Features:

- Rolls of Chilled Cast Iron with Drive Journal.
- L' Shape main frames of rigid construction of M.S. fabricated.
- Lever arms of Steel Casting/M.S. fabricated and Lever Brackets of Steel Casting.
- Loading Brackets and Nip guards of M.S. fabricated.
- Bearing Housings of Steel Casting complete with bearing covers of C.I. Gr. 25.
- Centralized oil Lubrication System.
- Electro-mechanically oscillating Doctor for king Roll complete with pneumatic loading and lift – off arrangement. Stationary Doctoring arrangements complete with Doctor Holder and blades.
- C.I. sole plates with foundation bolts and Nuts.
- Cross walk – way and ladder of steel above the calendar.
- Loading and Nip-relieving will be with rubber bellows.

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