

Calender

Flexibility, Accuracy, Quality, Reliability



Bainite Calenders are specially designed for frictioning of fabrics, single or double coating of fabrics, and sheeting applications. They are custom designed precision machines available with two, three or four roll configurations in different diameters and lengths, for rubber and plastic polymer industries.

Design parameters are determined by type of product, specific gravity, PLI, widths, thickness, temperatures, accuracy and productivity. Sophisticated Calenders with self-aligning roller bearings cross axis or roll bending mechanism, preloaders, direct drives, with motorized nip adjustment, etc are offered for precision products.

Key Features & Benefits

- Rigid Construction :- Calender Housing is heavy-duty sturdy box type from fabricated, stress relieved & fully machined, steel and rolls are of chilled cast iron (or SG iron).
- Efficient Heat Transfer :- Through Peripherally Drilled Rolls when running at high speed and temperatures.
- Wrinkle Free Sheets :- From highly precision-ground super finished rolls with accurate degree of concentricity& profile.
- Long Service Life :- From minimum wear and tear, as rollers of frictionless operation.
- Consistent Quality - Roll Bending Device, Preloading Mechanism and Cross Axis adjustment of the rolls offset roll bend and achieves uniform thin sheet at high PLI.
- Safety :- Emergency switches at convenient points as per international standards.

Hydraulic cushion (Splice Relief)

Changing device for profile sleeves

Calendar Drives of International Standards - DC or VFD variable speed units.

Accessories

- Edge Trimming Device
- Centralized Grease Lubricating System
- Roll Grinding & Polishing Devices
- Associated Auxiliary Equipment

Configuration

We offer Calenders in vertical, offset as well as inverted "L", "S", "I" & modified "Z" type configurations.

Wide Range

16" x 36", 18" x 48", 18" x 54", 22" x 60", 24" x 68", and 26" x 84"