







# **Automatic Calendering Machine**

In addition to the VENUS series, TYMI machinery has developed the COMET series calendering machine which is robust in construction and yet versatile in design. Both series can be integrated together with automatic feeder and delivery unit to become a Glossline system which can perform in-line calendering.

TYMI's Calendering Machine (Comet series) should work together with the Coating Machine (Venus series). PVA calendaring varnish was coated on sheets via Coating Machine, then sheets with PVA are melted by heat and pressure of heated plate of calendering machine. The design of COMET calendering machine emphasizes the heating performance on supplying proper heating energy and pressure to reach high gloss.

#### **■ COMET-126 FEATURES:**

- Frame structure and impression cylinder are firm and steady.
- Heater thermostat control, safety desian.
- Optional gas heating system, electronic ignition system.
- Hydraulic press device for pressure evenly.





#### ♠ STREAM FEEDER

- Feeder suction head with maintenance free rotary valve requires no lubricant or oil.
- The feeder can be adjusted while running.
- Double sheet detector.
- Variable speed for adjustment to different kinds of sheet.
- Braking system for motor drive to minimize paper wastage.



- Consist of chromed calendering cylinder, pressure cylinder and calendering
- Counter pressure cylinder is coated with special hardened synthetic rubber to stand high Pressure.

- Precise thermostatic control to maintain constant temperature.

- Sturdily constructed calendering cylinder to stand pressure up to 250 kg/cm<sup>2</sup>

## **HEATED CONVEYOR**

- Endless stainless steel conveyor belt.

Model: COMET-126

- Electronic photo-cell for safe-guard.

COMET-126

- Cooling fan system.



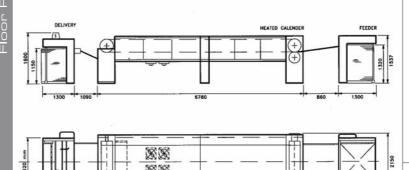
## ✓ WATER-COOLING DEVICE (OPTIONAL)

- Direct water cooling system equipped at the end of conveyor belt to eliminate cracking of paper surface.
- Moistening roller with cotton for even distribution of water on paper surface.
- Extended conveying system with independent driving to follow separating speed of sheets from calendering belt.



### ■ S DELIVERY UNIT

- Pneumatic sheet jogging device knocking up both sides of sheet and photoelectric cell controlled.
- Equipped with sheet counter.
- -Automatic pile raising and lowering.
- High speed sheet guiding system ensure jogging effect, also adjustable and simple at operation.



Technical specifications:	Comet-126
Max. sheet size	1200 X 1200 mm
Min. sheet size	310 X 406 mm
Sheet thickness	250 ~ 600 gsm
Max. working width	1200 mm
Conveyor speed	12 ~ 35 m / min.
Total power required	53.3 kw ( Heatting type )
Dimension ( L×W×H )	12300 X 2290 X 1925 mm
Total weights	6234 kgs

Standard equipmen ☐ Calendering unit ☐ Delivery unit

 Nonstop feeding device Pre-loading device ☐ Water cooling device

Subject to change without notice

