



COATING LAMINATION MACHINE



TRI-ACE
MACHINES PVT. LTD.

TRI-ACE series Dry / Wet Lamination Machines with high tech, high performance features, utilising most advanced technology and maintaining highest standards for high speed / trouble free operation / performance.



- ★ **Applications** :- Coating lamination machine designed and manufactured for different applications i.e. silicon coating, adhesive coating for tapes and stock labels, Consumer wrap grade lamination for packaging, heat sealable coatings on blister foils, paper, etc., NCR coatings, etc.
- ★ **Unwind unit** equipped with standard mechanical features or optional advanced fully automatic features like Digital Tension Controllers, Powder Brake, Load Sensors, Pneumatic Shafts, Auto Edge Guiding System, etc.
- ★ **Coating Unit** : Different coating solutions for various applications like Gravure Coating System, Triple Roll Coating System, Kiss Coating System with metering units having wire wound Mayer, Air Knife metering system, etc.
- ★ **Dryer design**: Suitable for different coatings employs hot air jet drying system with electrical heaters, optional thermic fluid heat exchangers and heating system, hot air generators, etc. as per customers requirement (with medium velocity air impingement design).
- ★ **Laminating rollers** are internally heated for better adhesion with heat resistant rubber/ nip roll.
- ★ **Pneumatics**: Engagement of nips, rubber pressure roller, opening of dryer hoods, etc. are pneumatically activated with controls, pressure regulators, pressure indicator, etc.
- ★ **Controls**: Heater Blower operation is controlled from the separate control panel with temperature controllers etc.
- ★ **Drive**: Machine employs simple DC drive to optional Synchronised Drives or AC Inverter Synchro Drive as per clients desire and preference.
- ★ **Cooling system / Roll**: Rapidly achieves the cooling down of the laminated products (Chilling Plant optional).
- ★ **Rewinding Unit**: Equipped with standard mechanical features or Synchronised DC drive or with Tension Controlled AC variable speed drive, etc. (Optional).



HOT MELT LAMINATION

- ★ Designed for Hot melt coater and laminator of speciality hot melt adhesives on flexible substrates / films.
- ★ Compact, sturdy, modular construction with integrated unwind and rewind units, coating lamination, controls etc. grouped for ease of operation.
- ★ Unwind units are equipped with mechanical features for EPC and tension.
- ★ Coating / Lamination unit consists of 1) Infeed 2) Retractable application and breast roll 3) Laminating Roll 4) Hot melt pre-melting system and applicator.
- ★ Pneumatics : Engagements of infeed, lamination and hot melt application are pneumatically controlled / activated.
- ★ Drives : Machine is equipped with Synchronised DC drives for main as well as rewind drive.