Toll Paper Coating

Paneltech has a wide range of toll and custom coating capabilities to create solutions tailored to the unique needs of our customers. Our two coating lines can preform adhesive coatings, top coatings, double-sided coatings and laminations onto materials up to 72 inches wide, and our in-house slitting and sheeting services enable us to provide finished products in press-ready sizes and configurations.

Measurements

The only difference between our two lines is that one has a width of 62.5 inches while the other is 72 inches wide. Otherwise, they both:

- are 40 inches in diameter
- have 3 and 6 inch cores
- have a coating thickness range of 10-100 grams (1u-12u)
- handle a material thickness of 12u-250u

Application

Paneltech uses rod coating and dip coating techniques, giving us the ability to coat both sides of the material and the potential to do two hits of coating in a single pass for maximum efficiency. Those materials or substrates that can be processed are papers that are:

- Woven or non-woven
- Cellulose
- Synthetic
- Weighed in roll up to 140-200 pounds

Development & Research: Chemistry/Formulation

1. Custom formulations of coating for a wide range of end use.
2. Custom Resin Synthesis for certain application.
3. Generally all water based but could be utilized with solvent as it is connected to RGO unit
4. Saturated with water based and solvent based – impregnation
    - Glue coating weight – Top coat Resin Grams per meter or mil thickness (2 mil to 6 mil pre-primed paint coating) –this is bottom coating - Glue coat - For plywood (60 to 70 gsm glue)
    - X-amount of coating, impregnation, and moisture level (1% c stage vs. 3 to 6% b stage so resin continues to flow under heat and pressure.)
    - If required custom coating approach could be developed.

Web conversions - Orgchem's experts, with their knowledge of chemical, material, and converting processes can take an array of low cost materials and uniquely configure them into a specialized, high value products that provide exceptional fulfillment of product design expectations.