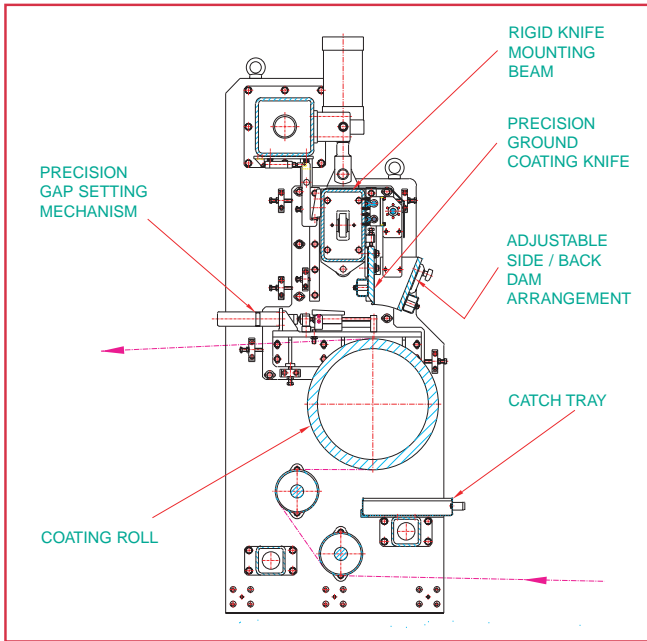




KNIFE OVER ROLL COATER

The Knife Over Roll Coater has traditionally been the choice when requiring to put down a very heavy and level coating of medium to high viscosity onto uneven surfaces such as textiles, fibre glass mats, non wovens. Typical applications include cast films, embossed and palin flooring, reinforced plastics, medical dressings, textile adhesive coatings.

New technology has now been incorporated to improve the blade positioning and gap setting. This has resulted in repeatable blade positioning to an accuracy ± 2 microns, by the use of precision linear bearings and backlash free ballscrews. This gap setting can be driven by servo motors and close loop control from a coatweight monitor for optimum repeatability and control.



Features

- Exceptionally strong rugged construction to handle high hydrodynamic forces.
- High precision hard chromed and ground backing roll manufactured to .4 RA finish and .005mm TIR.
- Profiled machined aluminium back and side dams to eliminate leakage.
- Gap setting based upon pneumatically loaded ground steel wedge system adjusted by backlash free micrometer ball screws.
- Servo motor and encoder gap control to ensure highest accuracy and repeatability available anywhere.
- Close loop control available linking servo drives to coatweight monitor ensures greatest economy.
- Heated backing roll where required.



Specification	
Viscosity Range	500 - 50,000 Cps
Web width range	300 - 2500mm

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