



Pilot Coater

KCL Pilot Services offers coating facilities for the evaluation of coating color, base paper and runnability. Coating trials are conducted under realistic conditions. The key feature is the ability to minimize the consumption of base paper, coating color components and energy.

Process parameters	
Operating speed, m/min	200 - 3000
Grammage, g/m ²	30 - 300
Coatweight, g/m ²	2 - 25
Max. roll diameter, mm	1400
Core size, inches	3" or 6"
Web width, mm	550
Coating stations	
Film press	Optisizer Two-sided with soft roll and one-sided with hard backing roll
Combi station	Roll application Optiblade SDTA OpticoatJet
Dryers	
IR preheater with counter radiator	180 kW / 42 kW
I IR with counter radiator	306 kW / 63 kW
II IR with counter radiator	180 kW / 38 kW
III IR	180 kW
Turn air foil	300° C, 45 m/s
Four air foils	350° C, 45 m/s
On-line soft calender	
Number of nips	2, one side
Max. pressure, kN/m	300
Max. temperature, °C	250
Coating kitchen	
Dispersion size, kg (dry pigment), min/max	50 - 1250
Batch size colour, kg (dry pigment), min/max	150 - 500
Starch cooking, batch 1	150, 200
Starch cooking, jet cooker, l/min	10
Machine circulation pressure screen, mesh	60, 80, 100
Pressure screen after mixer, mesh	100
On-line instrumentation	
Moisture, basis weight, coatweight, web temperature	