



## Pilot Calender

The pilot calender in the Multical process is designed to meet the demands of modern calendering trials. Multical is used for evaluation of paper and raw material potential and also to evaluate different calendering techniques. Multical can be used both for finishing purposes after a coating trial and also for R&D purposes in specially designed calendering trials.

Process parameters	
Operating speed, m/min	200 - 2500
Number of rolls	13
Number of nips	1 - 12
Nip pressure min/max (in all nips), kN/m	30 - 550
Loading principle	super or OptiLoad/Janus
Number of thermo rolls	5
Temperature of thermo rolls, min/max, °C	50 - 200
Heating of thermo rolls	external induction and oil
Steam showers, by V.I.P.	6
Roll diameters	
Polymer roll, mm Stowe Woodward Ivory 92 ShD Metso DuraGloss 92 ShD	810
Fiber roll, mm 18% wool and 82% cotton 86 ShD	810
Thermo roll, mm	610
Bottom roll, mm	1016
Paper roll parameters	
Grammage, g/m <sup>2</sup>	20 - 400
Web width, mm	550
Max. roll diameter, unwind, mm	1600
Max. roll diameter, rewind, mm	1600
Core size, inches	3" or 6"
On-line instrumentation	
Gloss 75° MD both sides, Moisture unwind and rewind, Web temperature, 5 spots, Thermo roll surface temperatures, 5 spots	