

Indigo Printing Tips from RIT

A.) 1st Transfer Calibration (plate to blanket)

- 4-5 is ideal
- 3-7 is acceptable
- 1,2, 8, 9 are not acceptable

- Blanket temperature must be stabilized at running temp before starting calibration.
- Changing blanket temp. will change blanket cylinder diameter.
- 1st transfer must be recalibrated when blanket temp is changed

B.) 2nd Transfer (Blanket to Impression Cylinder)

- gap set by caliper
- for metric screen caliper is entered in mm.
- mm conversion = (paper thickness in .001's) x (25.4 mm/inch)
- example for 11 pt paper - .011" x 25.4 mm/inch = .279 mm
- .279 is entered on screen for caliper
- This transfer is not user calibrated. Calibration only done by HP Service Technician

C.) Advanced Tab under "Substrate Settings"(5500) for changing Force between Blanket and Impression cylinders

- Standard force is 100 kg
- Force can be changed +/- 30 kg (70 – 130 kg)
- RIT uses 100 kg for Certification
- Sheet size and paper type will affect force applied
- Uncoated paper = higher force
- Once Force setting is changed it will remain at that level. It does not default back to 100 kg at the next power up.

D.) Blanket Temperature

- Std Temperature = 160 deg C
- A new blanket may be run at 150 C to get better transfer of highlight dots. Once a blanket has been run in the temp will be increased to 160C
- A worn blanket has better highlight dot transfer than a new blanket.
- For RIT certification blanket Temp = 160 C

E.) GSM values set up feeder:

- Adjust feed head angle
- Adjust duration of air blast