

CCM Generic Substrate Carrier





The Generic Substrate Carrier (GSC)

- A brand new CCM **module**
- A substrate transfer module designed, built and supplied by CCM
- CCM technology: platform customizable to **your** application



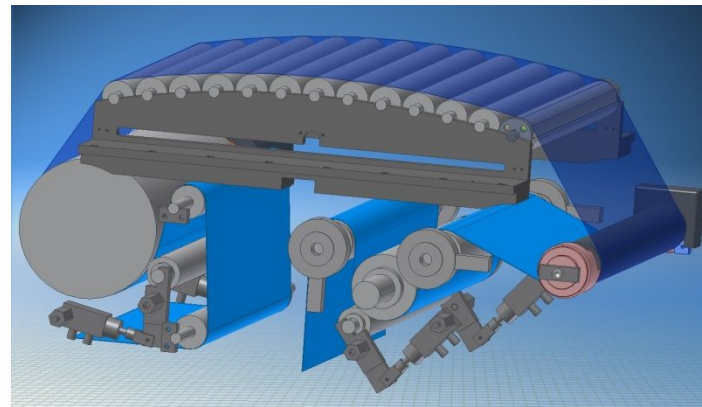
- **Generic Substrate Carrier for printing applications**
- **Specific for Single Pass Inkjet printers**
- **High accuracy**
- **High speed**
- **Substrate independent**
- **Parametric design**





Present

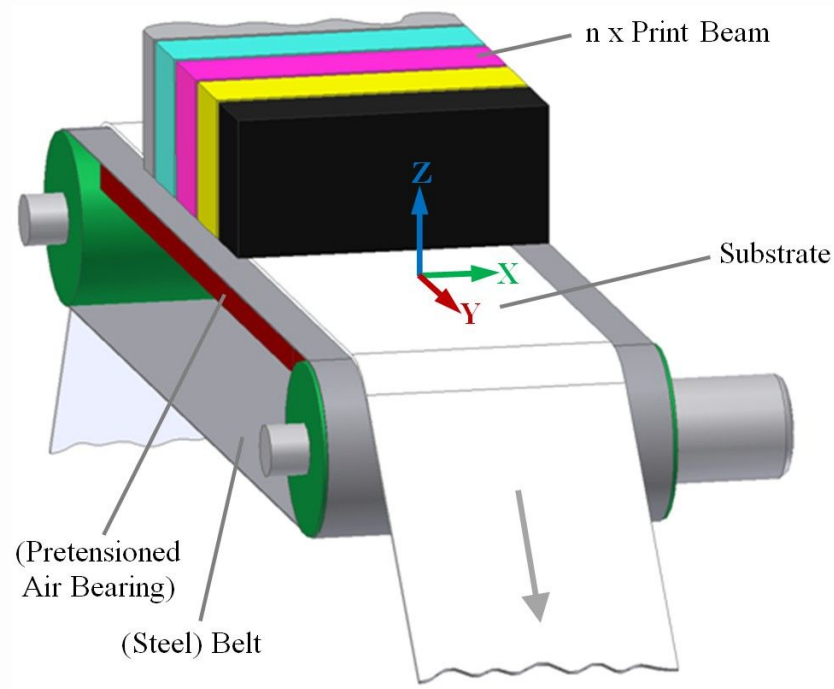
- The substrate is transferred underneath the printheads by pulling and pushing the substrate itself.



- Disadvantages:
 - Transfer (print) accuracy dependent of substrate properties
 - Many accurate (expensive) rollers
 - Number of print beams (length of working area) is limited

Using GSC technology

- The substrate is attached to a stiff belt



- Transfer accuracy independent from substrate properties
- Dimensional flexibility in length and width of printing area:
 - multi print beams in sequence is possible



GSC

1. Accurate substrate control
2. High velocity = high capacity
3. Dimensional flexibility of printing area
 1. Multi printing beams in sequences
 2. Width variations
4. No load variation on substrate during transfer
5. Position measured at every print beam, if desirable
6. Substrate properties independent transfer
7. Modular
8. Usable for all kind of substrates (paper, foil, panels)
9. Optional temperature controlled belt (in printing area)
10. Can be made suitable for cleanroom (i.e. OLED)



GSC Demonstrator is under validation





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