# LIBRA Technology

#### balance, harmony, stability

# FlintGroup

# LIBRA Technology - Product Development

- Utilise Flint Group's Unique capabilities as an inovative global manufacturer of both founts and inks
- Instigate technical cross development that will support our differentiation in the market
- Formulate a fount and ink system to optimise interaction on press, enhancing performance to reduce substrate wastage with zero IPA
- Dramatically improve the process stability when printing IPA free
- OEM approval and full compatibility with CtP plates is essential



# LIBRA Technology - Product Development

#### Cross Functional Capabilities

- Ink and Fount experts working together
- Combining years of experience
- Approaching IPA free printing as a team

#### Laboratory Testing

- Numerous combinations of experimental ink and fount formulations
- Main criteria for evaluation
  - Reduced damp level
  - Reduced Picture Framing
  - Reduced misting
  - Minimised substrate waste
  - Optimised press performance





# LIBRA Technology - Field Trials

- Following extensive field trials throughout Europe, the press minders commented that LIBRA Technology delivered:
  - Stable printing conditions
  - First-class ink/water balance
  - Improved picture framing
  - Good ink flow characteristics
  - Vibrant/brilliant colours
  - Fine optical density
  - Clean backgrounds
  - Excellent colour balance
  - Clean open screens
  - Improved wash intervals less wastage
  - Less ink piling



# LIBRA Technology Delivers...

### Cost savings

- IPA elimination
- Substrate waste reduction

#### Environmental benefits

- No IPA
- Lower VOCs
- Reduced Carbon Footprint
- Less packaging
- Reduction of waste disposal
- Healthier working conditions





# LIBRA Technology Delivers...

#### Technical benefits

- Optimum press performance
- Dramatically reduced picture framing
- Minimised misting
- Lower damp level with zero IPA
  - 56% water feed compared to 86% with standard ink (Flint Group tests)
- OEM approved formulation of the fount

#### Process Quality

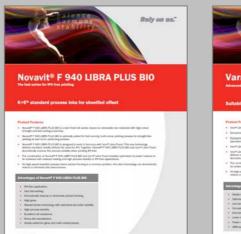
Stable IPA-free printing



## **Technical Product Literature**

Kall F

#### **Standard Applications**





#### **Low Migration Applications**



**Filnt**Group





## **Frequently Asked Questions**

#### I am a food packaging printer, can you offer Libra Low Migration Inks and Founts?

Yes! We have developed Novasens P 670 LIBRA PREMIUM an extremely low odour, low migration series that benefits from the superb Novasens low migration technology. Together with Varn Libra Fount LM these products offer good printability, no IPA and low migration.

#### Can you offer Libra spot colours?

Yes, Libra spot colours made from conventional and low migration bases are available.

#### Can I mix my own Libra spot colours?

At present we do not plan to offer a formulation that will allow printers to mix their own Libra Spot colours\*.

There are two possibilities to obtain Libra spot colours:

- 1) You could be supplied directly from a Flint Group mixing station
- 2) Or you could be supplied by one of our exclusive dealer representatives for Flint Group inks.

\*In some cases we may consider supplying a customer's own ink mixing station with a special Libra Paste. However, a Non Disclosure Agreement must first be signed before this is possible.



Rely on us.

# FlintGroup