



# United Barcode Systems

Labeling, Coding & Marking

*The right choice*



## Inks

*“Our inks have been created and designed by our chemical engineers as a perfect match for our high resolution and thermal inkjet printers, so that they not only achieve the best quality and resolution in the marking, but also optimize consumption.”*



|   | BOTTLES   |              | CARTRIDGES                  |              |
|---|-----------|--------------|-----------------------------|--------------|
|   | Oil based | UV LED based | Water based & Solvent Based | UV LED based |
| Formulations according to Regulations EuPIA, REACH, CLP and Swiss regulatory  | ✓         | ✓            | ✓                           | ✓            |
| Scentless inks  | ✓         | ✓            | Mild                        | Mild         |
| No VOC (Volatile Organic Compounds), are Organic Compounds that are easily converted into Vapors or Gases                             | ✓         | ✓            | Water based                 |              |
| Without NVC (T; R48 / 23 Toxic by inhalation and possible cause of respiratory tract damage Recommended use 0% in inks and varnishes) | ✓         | ✓            | ✓                           | ✓            |
| Without ITX (Initiator photo prohibited according to FDA regulation because of possible contamination of food by migration)           | ✓         | ✓            | ✓                           | ✓            |
| No PYRROLIDONES (Cyclic Resin that could cause Cancer)  | ✓         | ✓            | ✓                           | ✓            |
| Optimized stability of viscosity and surface tension parameters   | ✓         | ✓            | ✓                           | ✓            |
| Maximum Contrast in colorimetry   | ✓         | ✓            | ✓                           | ✓            |
| Low migration (Printing on food product packaging)  | ✓         | ✓            | ✓                           | ✓            |
| Developed without glycerin and dispersants of animal origin   | ✓         | ✓            | ✓                           | ✓            |
| The Oil Based formula is ECO free of mineral oils and meets the requirements of FEFCO for the recycling of corrugated board           | ✓         |              |                             |              |
| RHEOLOGIA common OIL and UVLED that leads to unified mechanical behavior (Viscoelasticity, Surface tension, Deformation, Temperature) | ✓         | ✓            |                             |              |



100% Mineral oil free ink



European Printing Association



Registration, Evaluation, Authorisation and restriction of Chemicals



Low Migration and ITX Free



NVC Free



Swiss ordinance on materials/articles in contact with food (Annex.6th)

### OIL BASED INK BOTTLES

|                    |  |
|--------------------|--|
| COLORS             | Black, red, blue and green (Others available upon request) |
| CONTAINER          | 1,000ml and 500ml bottle                                   |
| PRINTED MATERIALS  | All types of porous substrate                              |
| DRYING TIME        | Instant  |
| STORAGE CONDITIONS | From + 10 ° C to + 35 ° C in dry and clean environment     |



### UV BASED INK BOTTLES

|                    |  |
|--------------------|--|
| COLORS             | Black, red, blue and green (Others available upon request) |
| CONTAINER          | 1,000ml and 500ml bottle                                   |
| PRINTED MATERIALS  | All types of substrate                                     |
| DRYING TIME        | Instant by polymerization                                  |
| STORAGE CONDITIONS | From + 10 ° C to + 35 ° C in dry and clean environment     |



### CARTRIDGES HP 2.5 FOR WATER BASE INK AND SOLVENT BASED INK

|                    |   |
|--------------------|---|
| COLORS             | Black. (Others available upon request)  |
| CONTAINER          | 40ml cartridge  |
| PRINTED MATERIALS  | Water based: all types of porous substrate<br>Solvent based: all types of surface |
| DRYING TIME        | Water based: Instant<br>Solvent Based: Fast depending on surface                  |
| STORAGE CONDITIONS | From + 10 ° C to + 20 ° C in dry and clean environment                            |

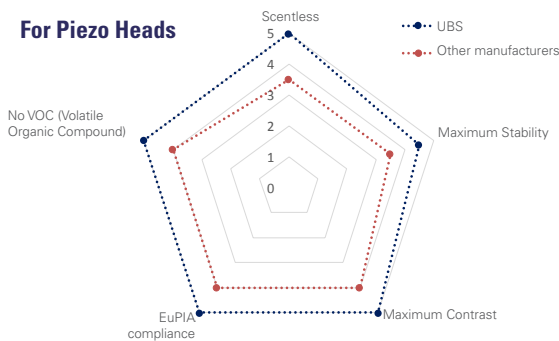


### CARTRIDGES INK UVLED HP 2.5

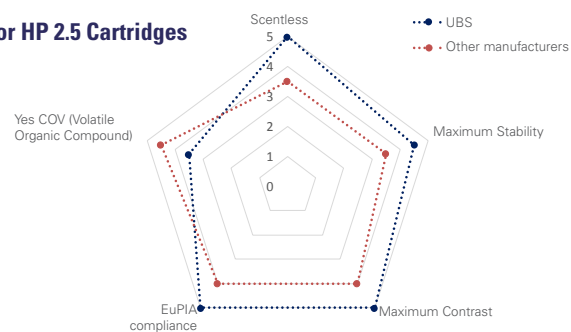
|                    |  |
|--------------------|--|
| COLORS             | Black. (Others available upon request)                 |
| CONTAINER          | 40ml cartridge   |
| PRINTED MATERIALS  | All types of surface                                   |
| DRYING TIME        | Instant by polymerization                              |
| STORAGE CONDITIONS | From + 10 ° C to + 20 ° C in dry and clean environment |



#### For Piezo Heads



#### For HP 2.5 Cartridges



Due to our continuous improvement policy, our product specifications are subject to change without notice.

