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## TECHNICAL INFORMATION

### **LAMJET P**

#### Inks for Ink-Jet Printing

- **APPLICATION**

Inks based on water dispersion of pigments for printing with Piezo Drop on Demand, printing heads. Indicated for : Cotton / Co-Pes .

- **CHARACTERISTICS**

The **Lamjet P** inks series is suitable for most large Piezo printers of latest Epson print head generation using water-based inks (Mimaki, Mutoh, Roland).

The **Lamjet P** inks series complies with all the regulations generally applied in the textile industry, (European Directives 1999/45/EC and 67/548/EEC, the European Norm EN71-3, CONEG regulation) and textiles printed with the **Lamjet P** inks fulfil the requirements for obtain the Oeko-Tex 100 label.

The following inks are available:

- Lamjet Yellow P
- Lamjet Golden Yellow P
- Lamjet Orange P
- Lamjet Red P
- Lamjet Magenta P
- Lamjet Blue P
- Lamjet Cyan P
- Lamjet Green P
- Lamjet Black P
- Lamberti Cleaning Solution

The printed fabric can be virtually of any type of material from 100% cotton to 100% encompassing all kinds of blends and other materials like viscose or silk.

Each material must be of the grade "ready to print" and fastnesses must be checked before industrial production



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### • MODE OF USE

The life span of Piezo hands is considerably long and should conform to the manufacturer's specification even if **Lamjet P** inks are used.

Our inks based on disperse dyes have been tested on the most frequently used printers, but the suitability of the inks for individual machines and models has to be checked by the user.

For optimal printing, the relative humidity rate must be kept at 55% or higher and the temperature should be around 20°C

If the inks dry in the nozzles, the normal cleaning procedure built into the printer should be applied.

### • FIXATION

After printing, the colours must be fixed by heating at 170°C for 5 minutes. The optimal fixation conditions must be determined for each fabric according to the requirements of the end use.

Warning: The **Lamjet Golden Yellow P** and the **Lamjet Orange P** should not be exposed to temperature exceeding 200°C. They contain diarylide pigments that may release through cleavage at high temperature 3,3'-dichlorobenzidine.

### • FASTNESSES

See table attached. The fastnesses have been evaluated on a 120 g/m<sup>2</sup> woven cotton ready to print fabric without optical brightener. Fixation conditions were 170°C for 5 minutes.

The rubbing fastnesses (according to the ISO-105/X12 norm) have been evaluated around 3-4 on this fabric depending on the colour intensity and should be determined for each newly employed fabric.

### • STORAGE

The shelf life of the inks at room temperature is superior to six months.

### ◆ PACKING

5 kg, 1kg (500g for samples)

FA – 04/2006

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