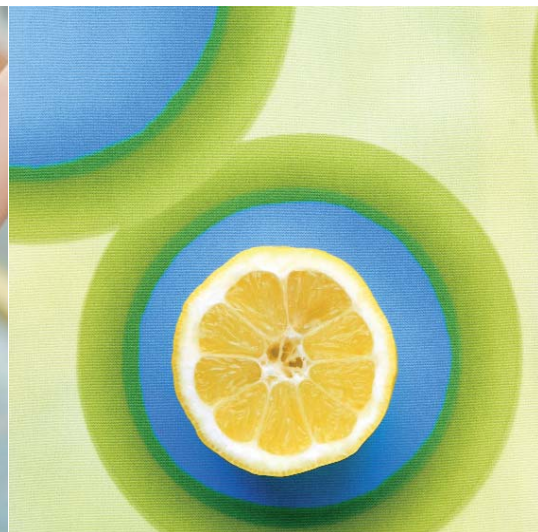


**Textile Effects**

# TERASIL<sup>®</sup> RAC TOP disperse inks

For ink jet textile printing on polyester with the Reggiani DReAM industrial machine



## TERASIL® RAC TOP disperse inks

# New chemistry—new benchmark

This new range of high performance disperse inks is suitable for direct printing onto polyester, giving extremely high light-fastness and brilliance suitable for various applications.

### Applications

#### High light-fastness

- Automotive
- Home furnishing
- Decorative fabrics
- High light-fastness outdoor applications

#### Fashion

- Apparel
- Swimwear

### Polyester preparation

#### Higher sharpness and color yield

An optimized recipe has been developed for preparation of the fabrics in order to obtain high color yield, levelness and sharpness of the prints with the water-based TERASIL RAC TOP inks. The build-up of inks on polyester fibers is improved, which is essential to achieve deep and solid shades.

The following is a guideline recipe, usually applied by padding:

100–180 g/l THERMOCOL® MP (color yield improver)  
10–30 g/l LYOPRINT® AIR (de-aerating agent)  
pick-up 60–80 %

When optimum light-fastness is required, the use of UV absorber e.g. UV-FAST® P is necessary. This product can be applied as an addition to the preparation recipe or as an aftertreatment. The amount to use is as follows:

50 g/l UV-FAST® P  
pick-up 60–80 %

## Ink jet printing

### with DReAM

TERASIL RAC TOP inks are suitable only for the Reggiani industrial ink jet DReAM machine. See the instructions issued by Reggiani.  
We recommend printing at room temperature (20–22 °C/68–72 °F) and relative humidity  $\geq 50\%$ .

## Fixation

HT steaming 8 min at 180 °C/356 °F or  
thermofix 1–2 min at 180–210 °C/356–410 °F

## Washing off

Rinse 5 min with cold water  
Soap 5 min at 40 °C/104 °F with 1 g/l ERIOPON® OS  
Reduction clearing

## TERASIL® RAC TOP disperse inks

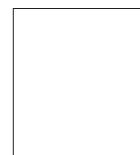
### Ink range

Wider color space

**TERASIL Yellow RAC TOP-100**



**TERASIL Red RAC TOP-200**



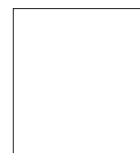
**TERASIL Magenta RAC TOP-300**



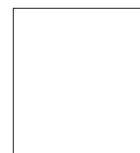
**TERASIL Violet RAC TOP-400**



**TERASIL Cyan RAC TOP-500**



**TERASIL Gray RAC TOP-600**





## Reggiani printing machine

# DReAM machine

### DReAM

**the best industrial  
ink jet textile  
printing machine**

DReAM is a roll-to-roll/roll-to-folder industrial textile digital printing machine, suitable for a wide range of media (knitted, woven, non-woven, carpet, leather and other). The machine is fitted with a rubber blanket and an on-line dryer and features different entry/exit configurations. It is equipped with rugged HP-Scitex printheads and with special proprietary Aprion piezoelectric drop-on-demand technology that ensure high reliability, productivity and output.

The DReAM machine is particularly suitable for short/medium runs as well as sampling.

Originally designed for fashion and household fabrics, it also finds successful application in flags and banners, fashion accessories, home furniture and automotives.

The Reggiani Macchine's proprietary combi option adds an on-line flat screen for special effects like glittering, metallic effects, chemical resins, etc.



## Main advantages

- High productivity (up to 235 sqm/h)
- Low ink consumption
- Quick time-to-market
- Wide range of media (knitted, woven, non-woven, carpet, leather and other)
- Wide range of inks (acid, reactive, direct disperse, sublimatic disperse)
- Wide range of printing width (1800, 2400, 3400 mm)
- High resolution (600 × 600 dpi)
- High reliability (embedded printheads maintenance system, unlimited printheads lifetime)
- Different entry/exit configurations
- Adjustable printheads to media distance



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