

## PRINTING – PART XIII

REF: TT/ AUGUST 2021/ WK 1

**E) Fancy Printing (Continued.)**

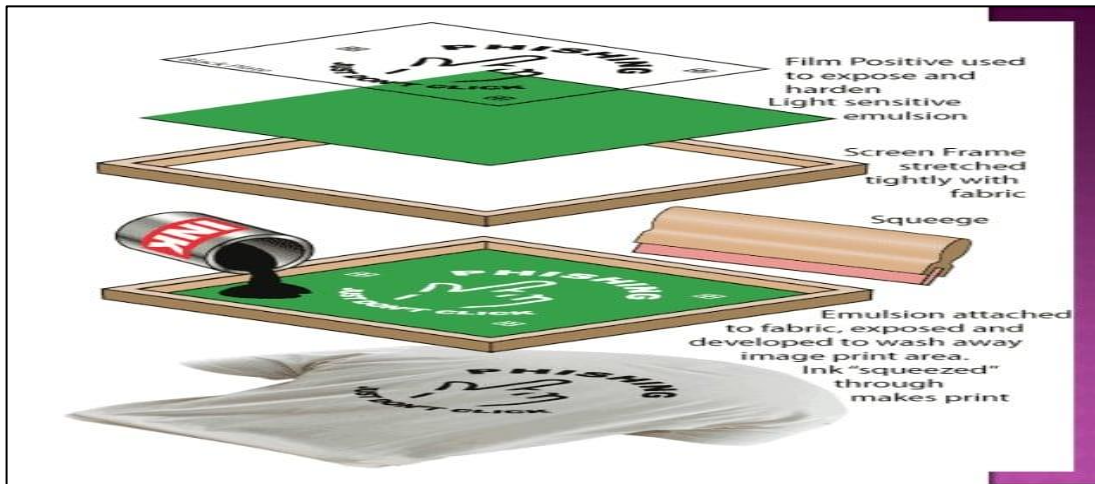
**Glitter Printing** - Glitter printing is a type of special effect printing that enables the fabric to show glittering granules on the fabric and add shine to the printed area. With the help of this process, decorative designs can be produced on garments as well as home textiles.

Glitter print makes use of the glittering granules called the glitter powder that after print are easily visible on the fabric.

**GLITTER POWDER**

- **Glitter Powder is PET with size of 1/8" to 1/256".**
- **It is heat, acid and alkali resistant substance.**
- **Its surface is coated with a specific chemical which traps light due to which the powder shines.**
- **It is available in square or hexagon shape.**
- **Colors available are metallic, iridescent rainbow etc .**

Glitter paste is first prepared to print the substrate. In the paste, glitter powder is added to the glitter ink and stirred it slowly into a homogeneous blend. The glitter ink is made up of acrylic co-polymer. Once the fabric is pre-treated, printing is carried out on a table. Screen printing process is used for printing glitter paste on the fabric which is then left for recommended time to set in and then dry. Once the glitter dries, the printed fabric is polymerized at a high temperature.



**Fig 1.1 Glitter Printing Process**

Ref: slideshare.net

**Puff Printing** – It is a type of printing in which the ink used raises above the surface adding texture and density, giving the garment a three-dimensional type of look. It is created by combining regular plastisol ink with a puff ink additive. Once the design is created, the garments are properly cured. After it is exposed to the high temperature, the puff ink raises above the surface. The additive added to the plastisol ink allows the printout to rise giving a 3D feel. High viscosity inks are used in this printing process. After drying and heating the printed area becomes puffy and that is why this printing process is called as Puff Print. It is important to reach the recommended temperature to ensure proper curing; if the cured print cracks when folded it is probably not cured properly.



**Fig 1.2 Puff Prints**

Ref: ambromanufacturing.com

### **Flock Printing –**

Flock is a very small natural or synthetic fiber cut at specific length. In flock printing, these flocks are applied to an adhesive-coated fabric surface so that a velvety, fuzzy effect and decorative appearance is obtained.

First step of flocking process is printing of adhesive on the fabric using the rotary screen printing method.

After that, fabric on the belt passes through a specific equipment which creates electrostatic field. At this stage, electrostatically charged flock particles drop vertically on fabric surface that previously applied adhesive and creates the flocked texture.

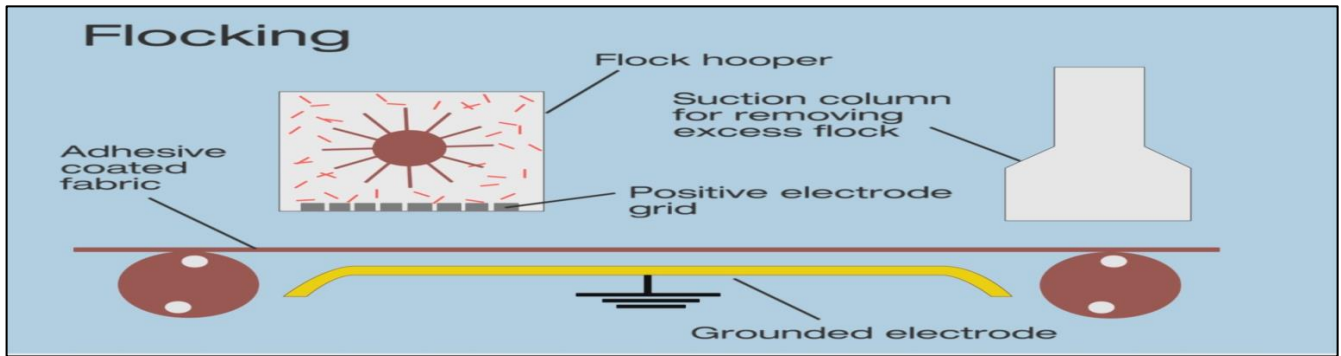


Fig 1.3 Flock Printing Process

Ref: dsource.in

References:

1. <http://www.ankitaprinters.com/>
2. <http://www.textilefashionstudy.com/>
3. <http://www.bellacanvas.com>
4. <http://www.hamletekstil.com.tr/>

.....To be continued.....

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Last week`s Answers: 1) PEELING 2) STICKY 3) FANCY 4) STAMPING

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