Azonprinter releases new DTG printer

Azonprinter released a new Direct-To-Garment (DTG) wide format printer: The Azon Mirage. The manufacturer says it's the ideal solution for high volume printing requirements. Large 600×800 mm format allows the user printing on a wide range of materials such as silk, cotton, polyester etc. T-shirts, sleeves, jeans, caps, aprons, sheets, dresses, and cloth panels are just some of finished garments on which can be printed with the new Azon Mirage. Two specially designed dual platens with dimensions 300x500mm for printing on different colour of garment and different samples are increasing the productivity and profitability of this machine. They are easily changeable so you can replace them with wider table easy and safe.

Maximum resolution is up to 1440dpi. Fixation of the inks to the garment is done by pressing the printed garment to the heat press. Time and temperature depends on whether the garment is printed with white ink. For the garment printed only with color layer average time/temperature is 25 sec/180°C, while for color and white layers estimated time/ temperature is 90 sec/160°C. With fixation time twice as less as ever before multiple garment production prints highly durable and washable garment without colour fading. The new improved LCD touch screen, larger 220 ml ink cartridges and new sophisticated software solution Azon RIP are just some of the new features this machine offers. Unlike the previous generation with belt system, this machine has

implemented servo motor and ball screw system, enabling the forward-backward movement of the printed object with maximum accuracy.

LaForte® high performing large format printer

Aleph Team recently launched the international market the two new industrial large format digital printers LaForte® Paper and LaForte® Textile, delivering high performance and allowing the quickly creation of high quality finished product with precision. The arguments that convinced visitors and customers during the presentation were the technical and mechanical aspects of the two models as a result of an outstanding work masterfully executed by Aleph engineers and of course the typically Italian design and aesthetics. The printing demonstrations further emphasised the worth of the two models.

The two LaForte® machines are on top of their category and are becoming a reference point for the digital printing market for fabric and transfer paper, thanks to their high production capacity reaching a printing speed of 640sq mtr/ hr. The greatest benefit comes for all production companies, in Italy and in

the world, which normally use digital printing exclusively for small batch, continuing to use the traditional printing with a considerable increase in costs; from now on, with the two industrial printers LaForte® Paper and LaForte® Textile they can take advantage of the benefits and innovation in digital printing for the entire production.

Both printers are equipped with the latest technology noticeable in the ease of use, the convenient operation of large and heavy reels (up to 10,000 m in length and 180 cm in width) and the use of inks that deliver maximum resolution up to 1200 dpi.

Inside the production facility of Aleph in Lurate Caccivio (Como, Italy) it has been specifically built and later expanded an area destined to the two LaForte® printers for the optimisation of production processes. Careful planning, attention to detail and the strict reliability checks ensure the realisation of a higher quality printed product, in line with customer expectations.

The technological know-how gained in the field of digital printing for the textile sector and the constant updating allow Aleph to adequately respond to market demands with the excellence of its products. accurate pre and post sales service are a guarantee for customers and an effective retention mode.

Sustainable garment processing technology by Ramsons

Finally Fashion is getting into sustainable technology and Ramsons, through lots of practical efforts and Industrial Engineering support would like to present new technology equipment to reduce cost of garment processing. All new Vertostar (7 Series) Front loading washing machine which is designed to reduce Water consumption by almost 40 per cent compared to traditional front loading technology and almost 70 per cent compared to old horizontal washing technology. Respectively it reduces steam consumption, chemical consumption, ETP Load as well. It basically works on recirculation of chemical bath and pressurised Jet spray mechanism which gives better penetration of chemical or dyes into the garments.

The machine comes with pressurised pump with filtration system which will take also reduce patch effect on dyeing lot due to all unnecessary particles as filter will clear all these particles before spraying on garment. It also reduce unnecessary load on ETP as well. With the help of this technology we are able to do washing & dyeing with 1:3 liquor ratio which is lowest so far in the industry.

Ramsons would also like to introduce Eco Finish developed by Macsa ID from Spain. This technology works on Nano bubble generation system and can reduce water consumption by 98 per cent and chemical consumption by 50-92 per cent. It can work on process like softener, reactive dyeing, PP Effect, water repellant technology, resin application etc. This machine can be connected with front loading washing machine.

Ramsons would also be introducing New Tumble dryer which has changed basic working principle of traditional drying. It works on Infrared temperature sensing system which allows you to measure the temperature of the garments directly. This will reduce overheating and under drying of garments. Also will reduce steam consumption almost 15 per cent just by avoiding checking garment every time for drying condition. It has been provided with stainless steel radiator with higher capacity blower which reduces drying time also by 10 per cent.

The company also manufactures most efficient Spray Booth with Conveyorized Mannequins system. This system will increase productivity of Spray operator with less Utility requirement. This system comes with inbuilt Hot Chamber which helps you to increase productivity and also avoids rejection and improves quality