

Insight

Tonello Presents Multicolour Laser Printing

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10 April 2015

Tonello has developed a multicolour laser that allows for the printing of any colour on all fabrics, including leather, using ZAITEX's Zetaflex ZL Special resin as a binder.

Multicolour Laser combines the resin with Tonello's sustainable technologies. The resin is evenly applied on to the garments through the Kit Batik process, a technology the company says ensures good penetration of the fabric and the least possible product waste.

Kit Batik is installable on any Tonello washing and dyeing machine and can be used to create a number of colour and dyeing effects, including: Antarctic Batik, Multicolour Batik, and Fading Batik. However it is also able to apply a range of coatings – such as resin, eco-softener, soil release, anti-stress, wrinkle free, water repellent and oil repellent – that can be used on ready-made garments. The Kit Batik process is automated and realised inside the machine. It is also eco-friendly, with 96% of water and 87% of product saved with each process.

A design is then permanently imprinted on the fabric through a unique setting on the Tonello Laser Blaze. Laser Blaze is the most recent model of laser machine developed by Tonello. The machine can recreate vintage effects such as localised wear, whiskers and breakages by means of the action of a laser beam. It can also create patterns, illusory holes, patches and 3D effects.

In addition, Laser Blaze has the ability to operate on all four positions of all four positions of a manikin – front, rear and both sides – giving jeans a genuine, naturally worn look and achieving homogeneity on each part of the working area. It also contains a library of ready-to-mark projects developed by a team of laser designers. Tonello said that the library is constantly updated, in line with upcoming fashion trends, researched by Tonello's marketing team.

By combining these technologies, Multicolour Laser printing can create colour and contrast effects on any kind of fabric and Tonello said that astounding colour shades can be achieved on garments.

Flavio Tonello, managing director of Tonello, commented: "Multicolour Laser is a true revolution for the laser finishing market because it changes completely the concept of laser itself, until now used only to discolour or cut the fabric. Thanks to the in-depth study conducted by our Research Centre, we can now colour garments with laser, achieving results never seen before."

Tonello began developing laser technology in the early nineties, when the company released the Laser Evolution, for work on a horizontal sliding table. Soon after, the vertical version of the same machine was released. To celebrate the new development Tonello Research has created a collection called Prism, which shows the full range of effects achievable by combining the unique resin with Tonello technologies.

