

TEXTILES/FABRICS

The new challenge is to realize sophisticated cutting and decoration geometries in unbelievable short times. The textile market is, for own definition, characterized by continue changing and innovations of designs, materials, shapes and technologies.

In the past, these evolutions taken place in natural way without any particular acceleration; nowadays these evolutions generate substantial change to the world asset.

The competitiveness in the textile, furnishing, health care market is very high and develops a path characterized by creativity, quality, flexibility, reactivity and distribution. To revive the competitiveness - considering the particular economic situation- it is necessary pass through this innovation path and, to this purpose, the laser technology can be a strong allied.

Laser technology, in the textiles market, is used for cutting and marking applications, as a recognized winning technology, compared to the conventional systems, for its features of easy-use, flexibility, easy set up. Furthermore, thanks to the new technological and applicative goals achieved by the 3 axis galvanometric marking head, it is possible to obtain on fabrics (organic or synthetic) excellent combined performances of marking and cutting, using a unique laser source, insert in "integrated systems", optimizing, in this way, the investments.

System integration between the laser technology and an expertise projecting of machineries is the main concept philosophy at the base of AM Engineering systems. AM Engineering manufactures marking and cutting laser systems to create or renew productive processes and applications in the serigraphy, textile, leather, printing and anticounterfeiting industry. AM Engineering realizes innovative and high standard laser systems to modify, change, develop not only pioneering materials but also material of low profile, adding value to these and offering concrete chances of market and product development.

Lasergate, Matisse, Pegasus, Azimut are the names of the integrated systems developed by AM Engineering for the textile market, for cutting and marking applications (decorating, bleaching, tearing, welding) on natural or synthetic fabrics, as well as technical, combined, coatings, and other organic and plastic materials, when image or convenience requirements force to perform on the same product.

The laser allows to realize sophisticated geometries obtaining details unachievable by conventional plotter systems.