Jeanologia will present the new technology "Light Scraper"

- **Light Scraper is a new optical technology that modulates the Jeanologia laser creating true virtual slubs on denim fabrics.**

- **This technology reduces in four weeks the *time to market*, this is the time from the start fabric production to the jeans arrival at the store.**

- **Light Scraper allows, for the first time on a standard denim fabric, to clone genuine antique look of denim.**

- **Jeanologia laser, with Light Scraper, incorporates a virtual sandpaper replacing manual scraping, a dangerous technique for workers who use it. Manual scraping is expected to disappear in two years from now.**

This new optical system, which reproduces for the first time in a completely perfect way the aging of the jeans, will accelerate the replacement of manual scraping and full penetration laser technology in the textile industry.

Light Scraper is a new optical technology that modulates Jeanologia lasers and allows the cloning of worn or scraped looks, and creates authentic virtual slubs on jeans. Thus, with the same fabric, Light Scraper creates open end denim, ring spun denim, crosshatch or slub just by pressing a button. As Enrique Silla, president of Jeanologia, stated: "for the first time we will be able to clone on a standard denim fabric the authentic look of antique denim".

Enrique Silla also pointed out that " *Light Scraper will be a landmark in the textile industry. This is the third generation of laser technology that will achieve a fully automated, efficient, ecological and ethical production without losing the authenticity and natural look of the garments. Additionally, this technology eliminates costly stocks fabric and reduces "the time to market" by four weeks.*

The Jeanologia President has also predicted *"the total disappearance of hazardous manual scraping in just two years thanks to Light Scraper"*.

The laser equipped with Light Scraper also incorporates a virtual sandpaper that allows the replacement of hand sanding or manual scraping, a technique that involves manual labour to produce effects of aging on jeans. Today, a million workers in Asia are still using manual scraping, which puts their health at risk. This technique is very harmful to the operators since it causes chronic tendinitis, muscle problems and breathing difficulties.

Enrique Silla states that "as part of the jean industry, it is our responsibility to protect the health and safety of thousands of workers, reduce environmental impact and promote innovation. The future of the industry becomes more professional by creating of new professionals such as technical finishing, laser designers, artists of denim, service technicians, etc."

In order to implement this patented technology by Jeanologia, the company has invested three years and more than three million euros on research. It has been developed by a multidisciplinary team of engineers at the R & D centres of the company in Spain.

Laser and ozone technology developed five years ago by Jeanologia allowed the elimination of the dangerous sandblast technique and it reduced almost in half water consumption used when manufacturing jeans. Now the Light Scraper technology will eliminate manual scraping, thus making jeans manufacturing a more ethical and sustainable process.

Jeanologia: world leader in textiles

A background supported by over 20 years of experience and obtaining prestigious WGSN Global Fashion Award for best sustainable design team in the world, have turned Jeanologia into a global leader in the development of sustainable technologies for garments finishing.