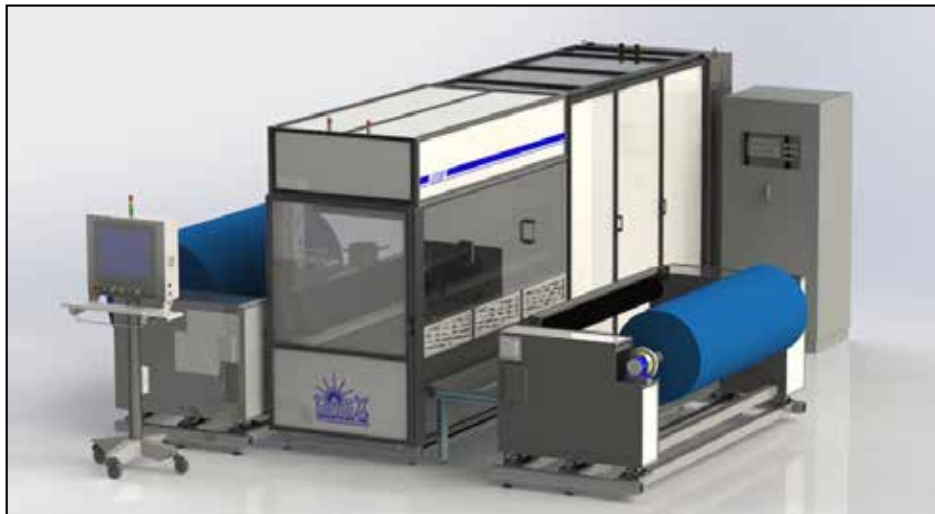# LaserSharp® LinearHD

LasX
The Laser Experts

The world's fastest system for high-definition laser scribing of textiles and other materials.

Rethink your manufacturing. Any bitmap image or vector art can be laser scribed into high-definition patterns on your roll-fed materials.

The LinearHD system is ideal for creating natural weaving and washing effects, giving designers and manufacturers new options for automated high-speed textile production.

Features

- Operable in any industrial environment
- 2-4 x times faster than existing technology on the market
- Delivers high-def 50 dpi resolution for realistic weaving effects (i.e., ring-spun, cross-hatch)
- Simulates washing effects without water and chemicals
- Automated roll-to-roll handling
- Continuous production up to 5mpm (5.5 yards/min)
- Processes extensible materials that stretch

Options

- Pattern library of vector art and bitmap images
- Adobe® Photoshop® library and filters for easy design creation (i.e., cross-hatch)
- Automatic order change (bar-code driven)
- Process sewn garments and other discrete products

Laser Technology

Laser Module Type:	CO_2 diffusion-cooled slab laser
Output Power:	5000W (2 each 2500W lasers)
Processing Area:	1.83m (72") width
Scribing speed:	Up to 50 m/s
Resolution:	High definition (up to 50 dpi)
Number of Modules:	2
Safety Rating:	Class I per 21 CFR 1040.10

Ring spun pattern on denim.

Stonewash pattern on denim.

Ring spun and crosshatch pattern on denim.

Vector – bitmap floral art on denim.

Vector – bitmap geometric art on denim.

Vector – bitmap art with brush filter on denim.