



纺织品和牛仔后整理





公司

Company

自1982年以来，作为客户的合作伙伴，公司一直致力于为客户提供创新的解决方案，以满足特定市场的需求。基于我们的专有技术和持续投资，我们提供的激光设备保证在生产成本、运营效率和产品最终质量方面具有重要的性价比。

在意大利我们三个生产基地，分别位于库尔诺，马佩罗和布加，5个主要部门（机械、电子和光电、软件、机械设计和生产）贯穿生产过程的所有阶段。控制激光系统的软件和固件是由我们的软件研发部门开发的，可以实时满足不同客户的要求。

凭借研发部门开发的全系列激光系统，世一激光能够满足客户在各个市场的应用需求，包括纺织品、室内设计、汽车、照明、广告、视觉传输、图形艺术、加工转换、标签、柔性包装、折叠纸箱、家具和金属加工等行业。

我们拥有最先进的技术，同时承诺：我们的历史是建立在对客户的忠诚和相互尊重的基础上的。这使得我们能够与客户建立牢固的联系，这种联系持续数十年，并在持续更新。

Since 1982 we are the partner who offers innovative solutions to our customers to satisfy the specific market's requirements. Thanks to our know-how and continued investments, we provide laser systems that guarantee significant performances in terms of cost, operational efficiency and final quality product.

We produce our laser systems in Curno, Mapello and Buja production sites (in Italy) thanks to 5 departments (mechanical, electronic and optoelectronic, software, mechanical design and production) which follow all the stages of the production process. The software and firmware that control **SEI Laser** systems are developed by our Software R&D Department that satisfies the different customers' requests in real time.

Thanks to the complete range of **laser systems developed by our R&D department, SEI Laser** is able to satisfy the application needs of customers in both vertical and horizontal markets, including: Textile, Interior Design, Automotive, Lighting, Visual Communication, Graphic Arts, Converting, Labelling, Flexible Packaging, Folding Carton, Furnishing, Metal processing and Electronics

A state-of-the-art technology requires commitment; our history is based on loyalty and mutual respect with customers. This alchemy enables us to establish strong connections with our customers which last for decades and constantly renewed.

愿景

我们的工作希望我们创新的解决方案可帮助我们的客户找到新的机会和新的业务。

“革新的一代”：这就是世一激光。

VISION

We work so that our innovative solutions help find new opportunities and new business for customers. "Revolutionary Generation": this is SEI Laser.





纺织品处理

Textile processing

纺织行业的制造商、加工商、时装品牌和消费者的需求正在不断变化，以顺应日益提倡的环境保护趋势而演变。

世一激光向市场提供 世一 纺织系列，这是一系列数字化激光设备，可确保生态环保的织物整理过程，并具有最高的效率和最佳品质。

The demands of manufacturers, converters, fashion brands and consumers of the textile industry are changing to follow the evolution of a trend increasingly oriented to key issues for the environment protection.

Laser technology represents the future of an eco-sustainable production, replacing traditional and manual methods of fading, abrasion, decoration, marking, engraving and cutting of jeans, finished garments, fabrics, thanks to "the energy of light".

SEI Laser makes available to the market SEI Textile line, a range of digital laser systems that ensure an eco-sustainable process of fabrics processing with maximum efficiency and quality.

SEI Textile Line is the range of laser systems suitable for manufacturers of industrial, functional, high-performance, high-tech, engineered fabrics who operate in the fields of: denim, interior design, fashion, sportswear, fashion accessories, footwear, automotive, railway, naval, aerospace, industrial, hospitality.

激光技术代表了生态可持续生产的未来，取代了在牛仔裤、成衣和面料上传统和手工方法的褪色、磨损、切割、打标和雕刻，这要归功于“光的能量”。



SEI Textile Line是世一在纺织领域的激光产品系列，适用于工业化、功能性、高性能、高科技、工程化面料的制造商，可用于牛仔、室内设计、时尚、运动服装、时尚配饰、鞋类、汽车、铁路、海军、航空航天、工业、酒店等领域的生产。

THE MANAGEMENT OF THE SPEED AND THE OPTIMIZATION OF THE LASER ENERGY IN SEI LASER SYSTEMS GUARANTEE



速度管理
激光能量优化
世一激光保证



降低成本和消耗 (由于减少了能源消耗)
Costs and consumptions reduction (thanks to less energy consumption)



高效生产率
比传统机器高3倍 (归因于先进的配置和生产速度)
Productivity 3 times higher than the traditional machines (thanks to significant set-up and production speed)



保护操作者健康，消除有毒和化学物质的使用
Protection of the operator health eliminating the use of toxic and chemical substances



保护环境，减少70%到90%水的使用
Protection of the environment reducing the waste of water from 70 to 90%



高品质 (高清晰度，精准的修饰，细微的差别，逼真的3D和自然使用的效果)
High quality (high definition, accurate and precise decorations, nuances, realistic 3D and natural used effects)

Flexi Denim

服装后整理

Flexi Denim

GARMENT PROCESSING

Flexi Denim是专门设计，以最大的效率和质量，对面料进行所有整理操作，如对成衣的变色、磨损、切割、打标、雕刻和裁剪等。

• Flexi Denim 是一款兼具模块化和灵活性，并可用于大规模生产的激光设备。它可以定制，以外加配置选项来满足客户的需求。牛仔裤可以在台面上水平后整理，也可以在人体模型（可选）上垂直后整理。

• 可加工材料：牛仔面料和其他天然、人造或合成材料。

• Flexi Denim是符合 IEC EN 60825/1 标准规范的一级安全激光产品。

极其直观和创新的便于用户使用的ICARO牛仔软件将设置时间缩短至零。“变形模式”让设计、效果和尺寸变化变得简单快速。

8 options

16 options

255 options

INFINITE options

COMPETITORS 😞 SEI Laser 😊

HIGH DEFINITION & PRODUCTIVITY

高清晰度和高生产率
即使在高速下也能获得精确的定位，以及无与伦比的高清和自然渐变效果。

HIGH DEFINITION & PRODUCTIVITY
Unrivaled high definition and natural gradation effects by achieving precise shades even at high speeds



定位简单、易于引导
通过激光预览逐步引导可以快速准确地放置服装，以优化装载时间并减少操作员错误。

EASY & GUIDED POSITIONING
Garments can be quickly and accurately placed following the step-by-step guided laser preview to optimize loading time and reduce operator errors

100% 服装监控能力
超级逼真的 3D 效果，使用在服装上以达到最佳复古效果。

100% MONITOR-TO-GARMENT CAPABILITY
Super realistic 3D effects are produced to achieve the best vintage and used finishing on garments

Flexi Denim is specifically designed to perform with maximum efficiency and quality all finishing operations on fabrics such as discoloration, abrasion, decoration, marking, engraving and cutting of the finished garment.

- Flexi Denim is a modular and flexible system for massive production. It can be custom configured to meet the needs of the customer with additional options. Jeans can be processed horizontally on the tables or vertically on the mannequin (optional).
- Processable laser materials: denim fabrics and other natural, artificial or synthetic materials.
- Flexi Denim is a product classified in Class 1 in conformity with IEC EN 60825/1.

The extremely intuitive and innovative user-friendly Icaro Denim software interface reduces set-up time to zero. Designs, effects and sizes change are easy and immediate thanks to "Warp Mode".

智能导入
智能导入命令，自动增强 3D 效果和优化激光功率。

SMART IMPORT
"Intelligent" import command with automatic 3D effects enhancement and laser power optimization

3 种扫描模式
即凭借 ICARO DENIM 软件，可以改变激光束的清晰度和能量来实现不同的效果。

3 RASTER MODES
Thanks to Icaro Denim software it's possible to vary the definition and energy of the laser beam to realize different effects

3 MODALITÀ RASTER
3 RASTER MODES



主要特点:

- 生产能力和自动化可调
- 最先进的激光技术和性能
- 使用方便
- 与传统方法和机器相比, 生产率提高了3倍
- 降低能耗成本
- 生态可持续: 无水、零污染排放
- 包括全数字电子远程和诊断模块
- 高清晰度和自然渐变效果
- 高可靠性和稳定性
- 减少维护
- 高安全标准



- 专用软件工具
- 千兆以太网高清摄像头
- 内外激光预览
- 基于动态聚焦的 4 轴振镜电机扫描
- 控制单元: 装载 Windows 系统的电脑
- 人性化操作的软件: 预装 Icaro Denim 软件 (PAT.PEND)
- 支持工业 4.0

Main features:

- Productivity and automation adjustable
- State-of-the-art laser technology and performances
- Easy to use
- Up to 3 times higher productivity compared to conventional methods and machines
- Lower energy consumption costs
- Ecologically sustainable: zero emissions, zero water
- Fully digital electronics remote control and diagnostic module included
- High definition and natural gradation effects
- High reliability and firmness

- Reduced maintenance
- High safety standards
- Dedicated software tools
- Giga ethernet HD camera
- Internal & external laser preview
- 4 optical axis galvo-motors scanning based dynamic focusing head
- Control unit: PC Windows™
- User-friendly software: Icaro Denim pre-installed (PAT.PEND.)
- Industry 4.0 ready.

配置 CONFIGURATIONS



FLEXI DENIM T

单个固定工作台
尺寸: 4.100 x 3.260 x 2.980 毫米
Single static table
Dimensions: 4.100 x 3.260 x 2.980mm



FLEXI DENIM 2T

双快速滑台
尺寸: 4.090 x 1.850 x 2.900 毫米
Double fast sliding tables
Dimensions: 4.090 x 1.850 x 2.900 mm



FLEXI DENIM 2C

高速输送带工作台
尺寸: 3.850 x 2.250 x 2.900 毫米
High speed double conveyor belt working table
Dimensions: 3.850 x 2.250 x 2.900 mm



FLEXI DENIM 2M

双人体模特, 单个固定工作台
尺寸: 3.825 x 3.260 x 2.980 毫米
Double fast sliding tables, Single static table
Dimensions: 3.825 x 3.260 x 2.980 mm



FLEXI DENIM 2TM

双人体模特, 双快速滑台
尺寸: 5.890 x 3.260 x 2.980 毫米
Double fast sliding tables, Double mannequins
Dimensions: 5.890 x 3.260 x 2.980 mm



Matrix Textile

卷到卷、卷材到服装
及服装后整理

Matrix Textile

ROLL-TO-ROLL, ROLL-TO-GARMENT
AND GARMENT PROCESSING



Matrix Textile

是世一激光利用激光技术在纺织应用领域的技术专长、灵活性和技术创新的成果。

Matrix Textile 成为“游戏规则改变者”的主要特点是其极高的灵活性，从卷筒开始，包括卷到卷和卷到服装处理：一个无可比拟的系统。

这种模块化允许其安装在任何现代生产过程中，优化了公司的生产性能。Matrix Textile利用专有的激光技术，以最高的生产率和最佳的品质，在卷到卷材料上进行高速纺织品打标、雕刻和切割作业。其处理速度高于传统激光技术的输出速度。

Matrix Textile 的核心是用于飞行和静态过程优化的 Icaro Textile (PAT.PEND.)软件; 由于 Icaro Textile 这个软件，它可以轻松处理任何矢量或图像或装饰。

可加工材料:

天然、人造纤维和合成纺织卷料、TPU、专用织物卷。Matrix Textile符合 IEC EN 60825/1规范标准。

主要特征:

- 电焊钢框架，打标区外围或侧面配有安全窗，由安全联锁装置控制
- 抽风排烟系统
- 金属网格输送机，用于装载和卸载
- 连续不间断循环工作(飞行打标、停止和移动)
- 收卷机/退卷机系统
- 支持工业 4.0



Matrix Textile is the outcome of SEI Laser's technical expertise, flexibility and technological innovation for textile applications exploiting laser technology.

The main feature that makes Matrix Textile, a "Game Changer" is its extreme flexibility that allows, starting from a roll, both roll-to-roll and roll-to-garment processing: a system that has no comparison.

This modularity allows its installation in any modern production process, optimizing the production performance of the company.

Matrix Textile exploits proprietary laser technology to carry out hi-speed textile marking, engraving and cutting process on roll to roll material with top quality at the highest productivity. Processing speed is higher than the output obtained by traditional laser technology. The core of Matrix Textile is Icaro



Textile (PAT.PEND.) software for on the fly and static process optimisation; thanks to Icaro Textile it is easy to process any vectorial or raster image or decoration.

Processable material: natural, artificial fibres and synthetic textile rolls, TPU, technical textile rolls.

Matrix Textile complies with IEC EN 60825/1.

Main features:

- Electro-welded steel frame with external safety windows of the marking area and side safety laser shutters controlled by safety interlocks
- Exhaust system suction
- Metal grid conveyor for loading and unloading
- Continuous non-stop cycle working (mark on the fly, stop&go)
- Winder/unwinder system
- Industry 4.0 ready.



NRGL Textile

卷料处理

NRGL Textile

ROLL PROCESSING

NRGL Textile 是一款设计用于卷材切割、雕刻、打标和穿孔的激光设备，最大工作面积为 3200x2000 毫米。它是室内设计、工业和时尚市场的转换整理和技术织物生产商的首选解决方案。

这款 X-Y 激光设备配置了输送机和电动 Z 轴，确保了高生产率，这一目标在工业领域尤为突出。

该机器配有四个 X 轴无刷电机和一个 Y 轴无刷电机，再加以世一激光数字化控制模块，确保了其高动态的性能。其他主要技术方面是带有电动 Z 轴的切割头和在切割、打标和雕刻处理过程中用于气压控制的比例阀。

NRGL Textile 配备 Icaro Textile 软件(CAM)：优化管理切割和打标过程，图片灰度等级高达 16 位。提供切割和打标优化的特殊功能。

可加工材料：真皮和合成皮革、天然和人造纺织品、人造纤维和塑料薄膜等。

NRGL Textile 可配置以下选项，以确保正确的解决方案：

- 用于定位切割的高清千兆以太网摄像机套件、单或多个打印标记、20/30 条形码阅读器、RGB 径向/矩形照明电路
- 可用的聚焦镜及其镜组: 3.75 寸; 5 寸; 7.5 寸
- 复卷机/退卷机
- 装载工作台，以便于装载和拉伸待整理的材料
- 卸载台，以卸载已处理的材料
- 预置抽风口
- 支持工业 4.0

NRGL Textile is a laser system designed for roll cutting, engraving, marking and perforation with a maximum working area of 3200x2000 mm.

It is the top solution for converter and producers of technical fabrics for interior design, industrial and fashion markets.

This X-Y plotter system with conveyor and motorized Z axis, ensures high productivity, a goal particularly appreciated in the industrial sector.

This machine guarantees high dynamic performances thanks to four brushless motors for the X-axis and one brushless motor for the Y-axis with SEI Laser digital control. Other main technical aspects are the cutting head with motorized Z axis and with the proportional valve for gas pressure control during cutting, marking and decoration processing.

NRGL Textile is equipped with Icaro Textile software (CAM): optimized cutting and marking process management, raster grey scale levels up to 16 bit.

Special functions for cutting and decoration optimization are provided.

Processable materials: genuine and synthetic leather, natural and artificial textiles, artificial fibres and plastic films.

NRGL Textile can be integrated with the following options to ensure the right solution:

- HD giga ethernet camera kit for registry cutting, single or multi printing markers, 2D/3D barcode reader, RGB radial/rectangular lighting circuit
- Available focal units and lens holders: 3,75"; 5"; 7,5"
- Rewinder/unwinder
- Loading table to easy load and to stretch out the material to be processed
- Unloading table to unload the processed material
- Prearranged fumes suction
- Industry 4.0 ready.



配置

CONFIGURATIONS

NRGL 1612

W = 2604 mm
L = 3650 mm
H = 1395 mm

NRGL 2215

W = 3244 mm
L = 4325 mm
H = 1395 mm

NRGL 3215

W = 4244 mm
L = 4325 mm
H = 1395 mm

NRGL 3220

W = 4244 mm
L = 4375 mm
H = 1395 mm

Mercury Textile

卷料处理

Mercury Textile

ROLL PROCESSING

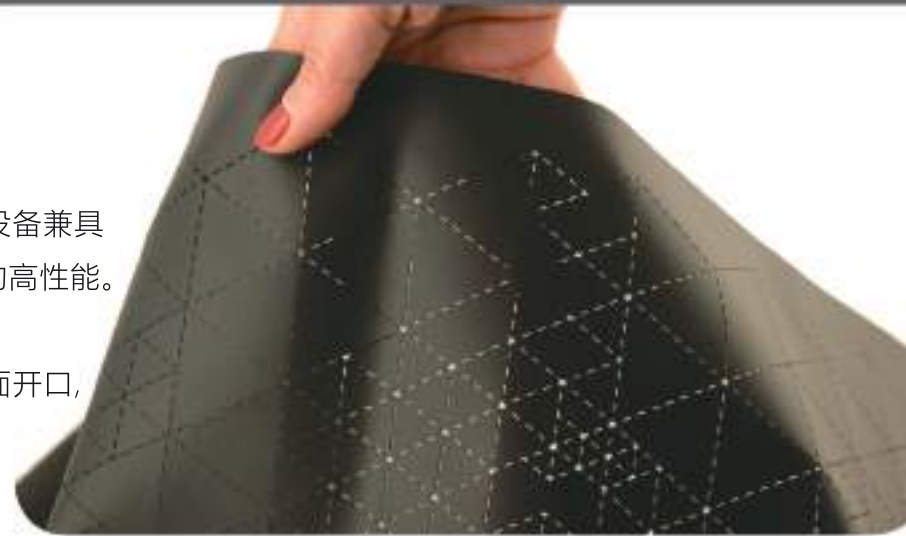
Mercury Textile 是专业激光设备的“顶级产品”，保证其在精度、可靠性和品质所需的工业应用中有着高性能的切割、打标和装饰。

该激光设备具有广泛的使用灵活性，可提供不同的型号和配置用以加工材料，最大工作面积可达 2.0 米 x 4.0 米的材料。

根据所选配置，该激光设备符合激光安全等级1或 4 (IEC EN 60825/1 规范标准)。

主要特征：

- 可用于卷材后整理的输送机。
- 易于使用。
- 凭借直线电机和世一激光开发的控制算法，设备兼具切割的高精度和高重复性，以及行业内领先的高性能。
- 零维护和激光器寿命长。
- 多功能性，设备不占用空间，其工作区域三面开口，操作方便。
- 灵活性高，不同配置使其适用于不同的环境和生产场所。
- 坚固的结构与 X-Y 轴的运动相结合，通过高性能直线电机和通过光学线路进行位置控制，确保独特的生产和质量性能。
- 支持工业 4.0。

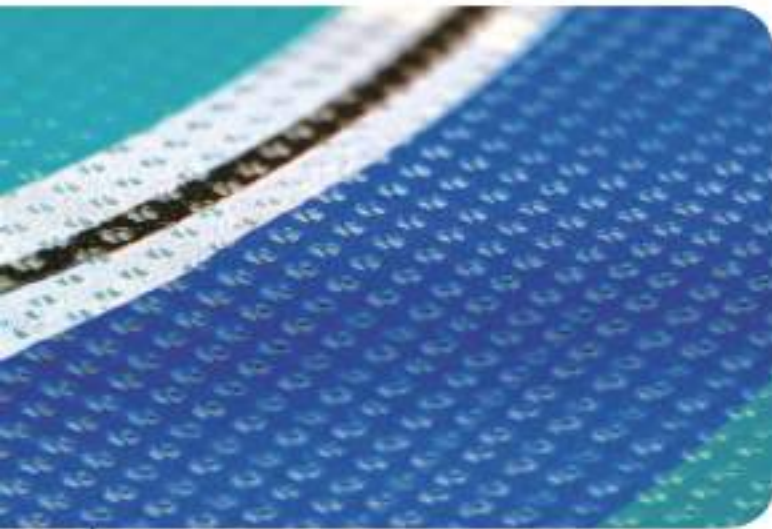


Mercury Textile is the “top of the range” professional laser system that guarantees high performance cutting, marking and decoration of fabrics used in industrial applications where precision, reliability and quality are required.

This system, which is characterized by a wide flexibility of uses, is available in different models and configurations to process materials with a working area up to 2.000x4.000 mm. The system complies with laser Safety Class 1 or 4 (IEC EN 60825/1) depending on the configuration selected.

Main features:

- Conveyor for textile roll processing
- Ease to use
- High precision and repeatability of the cutting edge combined with industry-leading performances thanks to the linear motors and to the control algorithms developed in SEI Laser
- Zero maintenance and long life of the laser source
- Versatility thanks to its compact dimension and easy access from the three-sided working area
- Flexibility due to the different configurations that make the system suitable for any environment and production site
- The solid structure combined with the movement of Cartesian X-Y axes through high performance linear motors and position control through optical lines, guaranteeing unique production and quality performances
- Industry 4.0 ready.





X-TYPE Line | 无与伦比的切割速度及精度

X-Type Line是一款世一激光开发的激光设备，具有世界上无与伦比的性能，专为卷料裁剪和整理应用而设计。它配备了一个有着4个直线电机和刚性传动装置（切割头直接驱动）的运动系统，由于采用了碳纤维条，它可以达到6g的加速度，速度可达4米/秒。

凭借世一激光的精细算法和激光控制，实现了极高的动态性能和轨迹精度，使整理过程的生产率和质量达到无与伦比的水平。

X-Type Line实现了所有最先进的激光切割过程的控制装置：动态辅助气体控制阀、实时插补轴运动的光能发射控制、最新一代脉冲激光源、光学控制、抽风、除烟和真空效果设计等开发用于纺织应用。

面料织物由世一激光设计的传送带处理，能够消除反射并保证切割区域具有出色的真空吸附效果，保证精确的轮廓并避免材料浪费。一种基于空气动力效应的专利申请中的系统，将服装捡起、搬运和堆放，以完成整个生产过程。

对于印花织物的切割和定位，配有两种独立的视觉系统：线性扫描相机和安装在激光切割头上的矩阵相机。

应用领域：成衣、运动和非运动鞋、服装、时装和那些精度和速度是必不可少的工业应用。

主要特点：

- 卷料宽度：1600 毫米
- 静态工作区(X-Y)：1600x1500 毫米
- 卸料区(传送带) 500 毫米
- Z轴偏移[手动] 30 毫米
- 材料最大厚度：20 毫米
- X / Y 轴碳纤维可移动杆
- X / Y 轴 4 个直线电机
- 输送机无刷伺服电机
- 光学编码器：20nm 分辨率
- 激光束传输：飞行光路
- 排气系统上下抽风
- 方便客户使用的 Icaro CAD/CAM 软件
- 5轴控制 (X/Y 输送机) 和通过世一开发的 DSP 电子板进行激光驱动
- 用于图案和图案识别的相机(选项)
- 图案识别千兆以太网相机(选项)
- 1级激光安全等级 - 符合 CEI EN 60825/1 标准规范
- 支持工业 4.0
- 激光功率型号：V150, V300, V400, V500
- 聚焦镜组：3寸; 5寸 (可选)

性能：

- 速度：最高 4000 毫米/秒
- 加速度，最大值：最高 60 米/秒²
- 最大输送速度 30 米/分
- 精度为正负 0.15 毫米

X-TYPE Line | UNMATCHABLE CUTTING SPEED AND ACCURACY

X-Type Line is the SEI Laser system with unmatched performance in the world, designed for cutting and finishing application on roll fabrics. It is equipped with a movement system based on 4 linear motors and rigid transmission (direct drive of cutting head), thanks to carbon fiber bars, and it can reach accelerations up to 6g, with speeds up to 4 m / s.

The extremely high dynamics, together with trajectory precision, achieved thanks to sophisticated algorithms and laser control made in SEI Laser, allow to unmatched productivity and quality of the process.

X-Type Line implements all the most advanced laser cutting process control devices: dynamic assistance gas management valve, real-time optical energy emission control interpolated with axis movement, latest generation pulsed laser sources, optical chain, suction, fume removal and vacuum effect designed and developed for textile applications.

The fabric is handled by a conveyor designed by SEI Laser, capable of eliminating reflections and guaranteeing an exceptional vacuum effect in the cutting area, guaranteeing precise contours and avoiding material waste. A Patent Pending system, based on aerodynamic effect, picks the garments up, carrying and stacking them to complete the production cycle.

For the cutting and registration of printed fabrics, two independent vision systems are available: the linear scanning camera and the matrix camera

mounted on the laser cutting head.

Application sectors: production of finished garment, sports and non-sports footwear, clothing, fashion and industrial applications where precision and speed are essential characteristics.

Main features:

- Working web: 1600 mm
- Static working area (X-Y): 1600x1500 mm
- Unloading area (conveyor) 500 mm
- Z axis excursion (manual) 30 mm
- Max material thickness: 20 mm
- Axis X/Y carbon fiber movable bars
- X/Y Motors #4 Linear motors
- Conveyor Brushless servomotor
- Encoders optical: 20 nm resolution
- Laser beam transmission: flying optics
- Exhaust system suction top and down
- Icaro CAD/CAM Software user-friendly
- 5 axis control (X/Y e conveyor) and laser drive through DSP electronic board SEI developed
- Camera for pattern and motif recognition (option)
- Pattern recognition Giga Ethernet Camera (option)
- Laser safety Class 1 - CEI EN 60825/1
- Industry 4.0 Ready
- Laser power models: V150, V300, V400, V500
- Focal lenses: 3", 5" (optional)

Performances:

- Speed: up to 4000 mm/s
- Acceleration, max values: up to 60 m/s²
- Max conveyor speed 30 m/min
- Accuracy: ±0,15 mm





EASY | 定制后整理

EASY | CUSTOMIZED PROCESSING



出色的激光束质量与扫描及聚焦系统相结合，可在后整理过程中实现最高的激光清晰度（市面上最小的激光束），以确保精确和准确的标记，以及在300x300 毫米工作区域内进行高速切割。

可加工材料：天然、合成和人造织物、牛仔、真皮和合成皮革、技术织物、橡胶，醋酸纤维和有机材料。



Easy 是由世一激光制造的一款小巧智能型激光设备，可直接在商店，旗舰店和陈列室中定制服装和时尚配饰。它非常小巧且多功能性，它还可以在牛仔服装、T恤和时尚配饰上进行整理工艺、打标图像、编码和切割作业。

由于密封的 CO₂ 激光源为超过 20,000 小时的生产提供了最大的可靠性，而且高质量的性能使得这款设备很容易适用于任何环境，无论是商业环境还是生产环境，减少了维修保养。

主要特点：

- 加工方式：打标、切割和雕刻。
- 工作区域：从 160x160 毫米到 300x300 毫米。
- 气动门三面开口，便于快速装卸操作。
- 高效排烟口。
- 真空台面。
- 双电动Z轴：光学和机械，可根据材料的尺寸和厚度优化激光光斑大小。
- 高级光学元件确保在大面积上实现最佳的光束聚焦质量。
- 激光预览用于工作模拟和材料放置。
- 1类激光安全产品，符合 IEC EN 60825/1 规范标准。
- 支持工业 4.0。

Outstanding laser beam quality combined with a scanning and focusing systems allow the lowest definition of the laser beam during the processing (the smallest available on the market) to guarantee precise and defined marking, as well as high-speed cutting on a working area up to 300x300 mm.

Processable materials: natural, synthetic and artificial fabrics, denim, genuine and synthetic leather, technical fabrics, rubber, acetates and organic materials.

Main features:

- Processing: marking, decoration and engraving
- Work area: from 160x160 mm up to 300x300 mm
- Pneumatic door with three sides open for quick and easy loading and unloading operations
- Efficient fumes suction outlets
- Vacuum table
- Double motorized Z-axis: optical and mechanical to enable the optimization of laser spot size according to the size and thickness of the material
- High grade optics ensures the highest beam focusing quality on large areas
- Laser preview for work simulation and placement
- Easy is a product classified in Class 1 laser safety in conformity with IEC EN 60825/1.
- Industry 4.0 Ready.

Easy is a smart and compact laser solution manufactured by SEI Laser to customize garments and fashion accessories directly in stores, flagship stores and showrooms. Extremely compact, it is a versatile laser system as it allows finishing processes, recreate images, coding and decorations on denim garments, t-shirts and fashion accessories.

The reduced maintenance, thanks to the sealed CO₂ laser source that offers maximum reliability for over 20,000 hours of production, and the high-quality performances make Easy the laser suitable for any environment, both commercial and productive.





世一激光设计和制造的激光设备完全符合世界倡导的理念：通过减少水和能源的浪费来改善人们的福祉，保护环境。

直到今天，在纺织工业中，手工技术被用来实现对服装的复古和使用整理效果，造成了手工工作、无数步骤和原材料消耗的高度影响。

由于采用了世一激光技术，这一领域正在经历一个革新的时代，因为激光有助于提高服装的生产性能和整理效果，将后整理步骤减少到仅仅 1 个。

确认效果显著，例如：

- 提高生产力
- 改善工作环境
- 节省电力和原材料
- 节约服装生产用水
- 减少/消除有毒物质排放到水和空气中

因此，激光技术强化了企业(包括汽车和工业领域的时尚品牌和运营商)采取的生态可持续发展行为和社会责任，有助于拯救生命，减少对自然的影响。这种行为确保时尚服装和配饰以及高品质的技术产品，是品牌和消费者的关键价值。

SEI Laser designs and manufactures systems that fit perfectly into a world-oriented philosophy: the improvement of people's wellbeing, the protection of the environment thanks to the reduction of water and energy waste.

Until today in textile industry manual techniques were used to achieve vintage and used finishing effects on garments, causing a high impact of manual work, countless steps and consumption of raw materials.

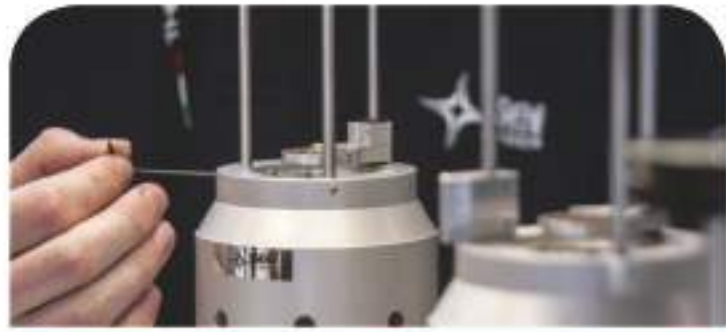
This sector is experiencing a new era thanks to the SEI Laser technology as laser contributes to improve the production performance and finishing effects on garments, reducing the number of processing steps to just 1!

A result that determines significant benefits, such as:

- Increase of productivity
- Improvement of the working environment
- electricity and raw materials saving
- water safeguard for garment production
- reduction/elimination of the emission of toxic substances into water and air.

Laser technology, therefore, amplifies the eco-sustainable behaviours and the social responsibility adopted by companies (both fashion brands and operators in automotive and industrial fields) helping to save lives, reducing the impact on nature. This behaviour ensures fashion look garments and accessories and high quality technical products, key values for brands and consumers.





为什么选择世一激光？

Why SEI Laser ?

服务

世一激光凭借其广泛的技术支持服务及其在全球的强大影响力，确保快速、有效和量身定制的响应，满足不同客户的需求。除了技术支持外，世一激光还提供有价值的远程协助。公司与客户之间的通信，通过聊天实时管理，使运营商能够在以下技术操作中逐步得到指导：

- 机器配置参数的可视化和修改
- 加工参数的可视化和修改
- 激光源和控制部件的诊断
- 文件传输
- 软件升级
- 生产力报告

SERVICE

SEI Laser, thanks to its wide range of technical support services and its strong presence worldwide, ensures a quick, effective and tailored response to the different customer needs. In addition to technical support on-site, SEI Laser offers a valued remote assistance. The communication between the company and the customer, managed in real-time via chat, allows the operator to be guided step by step in the following technical operations:

- *visualization and modification of the machine configuration parameters*
- *visualization and modification of the processing parameters*
- *diagnostics of the laser source and the control parts*
- *file transfer*
- *software upgrade*
- *productivity report.*

工业 4.0：容易实现数字化工作流程的集成

每款 SEI Textile 激光设备都可以集成到自动化数字控制生产过程中，并且符合工业 4.0 认证。

此外，所有世一激光系统均经过认证，可满足以下要求：CNC（计算机数字控制）和/或 PLC（可编程逻辑控制器）控制，通过远程加载指令和/或零件程序与公司 IT 系统互连；与公司物流系统或供应链自动集成；操作员和机器之间的界面简单直观，符合最新的工作安全和健康参数。

4.0 INDUSTRY: EASY INTEGRATION IN THE DIGITAL WORKFLOW

Every SEI Textile system can be integrated into automated digital control production processes and it is in compliance with the Industry 4.0 certification.

All SEI Laser systems moreover are certified to satisfy the following requirements: control by CNC (Computer Numerical Control) and / or PLC (Programmable Logic Controller); interconnection with the company IT system thanks to remote loading of instructions and / or part program; automated integration with the logistic system of the company or with the supply chain; easy and intuitive interface between the operator and the machine; compliance with the most recent parameters of safety and health at work.





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