



LASER SYSTEMS

FIREFLY • SKYFLY • BUTTERFLY

Sharp Lines, Bright Future

ABOUT US

As a leading Turkish company specialized in laser technologies, Venox offers innovative solutions in industrial, educational, and hobbyist fields.

Since our inception, our unwavering commitment to excellence and quality has established us as a pioneering brand in the laser industry.

Supported by prestigious institutions like TÜBİTAK (The Scientific and Technological Research Council of Turkey) and KOSGEB (Small and Medium Enterprises Development Organization), we continue our R&D efforts and are globally recognized for our patented laser machines

At Venox, we focus on understanding the unique needs of each customer and developing tailor-made solutions.

By keeping abreast of the latest technological advancements in the industry, we continually enhance our products and services.

With our quality, reliability, and innovative approach, Venox stands as a trusted partner and a pioneering innovator in laser technology.





NEW STRENGTH FOR YOUR BUSINESS!

EXPERIENCE & INNOVATION & SOLUTION

Venox, with its years of deep experience and a leading position in the industry, brings a new power to your business. Our professional team, rich expertise, and passion for technological innovations deliver custom, high-quality, and efficient laser solutions to each customer. We implement innovative approaches to redefine your production processes and make a difference in the market.

In every project, Venox aims for excellence, producing sustainable and efficient solutions through industry-leading R&D efforts. We continuously monitor the latest developments in laser technology to maximize your business's competitive edge with innovative and customized solutions. By anticipating not just today's needs but also the demands of tomorrow, we adapt to the ever-evolving technology and market trends

Whether you're a large-scale industrial manufacturer or a small workshop, Venox's extensive product range and application areas offer solutions for every need. From laser cutting to engraving, marking to detailed carving, Venox enhances and accelerates your operations with excellence and precision.

We prioritize customer satisfaction, offering technical support and training services. We're here to be part of your growth and success. With Venox, your business will gain new strength and solidify its position in the industry.



EXPERTISES



Engineering and R&D

Building a high-skilled engineering team and providing training sessions.



Production Quality

Ensuring stabilization without compromising the testing process and material quality.



Design And Production

Defining and implementing standards based on customer needs.



After Sales Support

Implementing a solution-oriented 'just in time' policy.



FIREFLY

GANTRY CO₂ LASER SERIES

High performance with expandable working area

High-speed operation without compromising on quality

High efficiency with metal and glass tube options

Suitable for both hobby and industrial purposes

High added value in your products with a wide range of accessories

Sustainable workforce through modular design

Compact usage with drawer and drawerless table

SKYFLY

GALVANOMETRIC FIBER LASER SERIES

Sustainable efficiency with domestic engineering capability

It can be integrated into the production line with its compact design feature

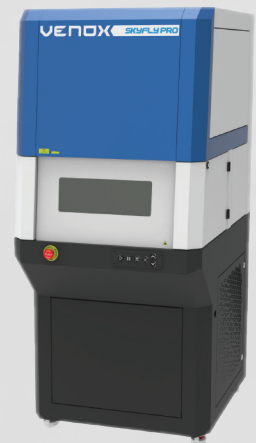
Programmable with all traceable barcodes and incrementable serial numbers

Ability to achieve speeds up to 15 m/s without compromising quality.

Ability to work on round parts and on a moving line with additional accessories

Ease of use with integrated computer

Ease of use with plug-and-play functionality.



BUTTERFLY

GANTRY CO₂ LASER SERIES

High performance in small working area

High-speed operation without compromising on quality

High efficiency with metal and glass tube options

Suitable for both hobby and industrial purposes

High added value in your products with a wide range of accessories

Sustainable workforce through modular design

Compact usage with drawer and drawerless table



DRAGONFLY

GANTRY CO₂ LASER SERIES

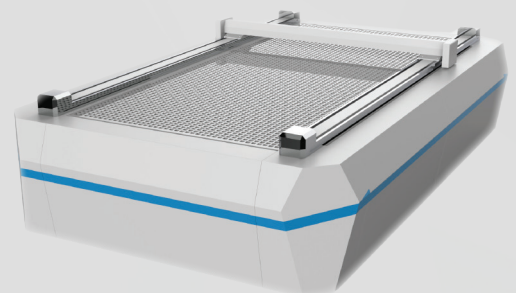
High processing power in large working area

Its compact design allows seamless integration into the production line.

Designed for wide-format and high-volume materials, offering easy access from all four sides.

The integrated computer ensures user-friendly operation, making it an efficient solution for various applications.

Thanks to the modular air exhaust system in the Dragonfly series laser cutting machines, ventilation can be applied to designated areas.



INDUSTRIAL APPLICATIONS

CAN BE DEVELOPED & DESIGNED SPECIFICALLY FOR THE PROJECT

Solve your projects needs with Venox Technology's experience and engineering

Venox ethos prioritizes the uniqueness of each client's projects, providing services with laser systems that are developed and designed specifically for the project.

To meet the detailed requirements of the broad spectrum of industrial applications, the Venox engineering team conducts a meticulous review process of the client's unique needs. Thus, each project is shaped and brought to life with Venox's innovative laser technology to meet the highest standards of efficiency and performance.

To achieve your business objectives, Venox aims to be not just a supplier but a technological partner.



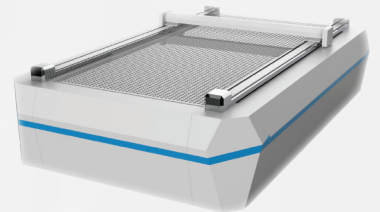
FIREFLY
PRO



SKYFLY
MOVE • PRO
EXTENDED • TURNTABLE



BUTTERFLY
SPLIT • PRO



DRAGONFLY
EXTENDED • EXTRALARGE



Creativity

Venox's laser machines are ideal for artistic and creative projects, enabling the realization of unique designs with ease.



Identification & Labeling

Venox laser machines excel in precise product labeling. Ideal for industries needing accurate marking, Venox ensures consistency and reliability.



Signage

Venox provides laser machines for creating high-quality signs and displays. Our technology ensures precision and durability, making us the choice for sign-making professionals.

Customizable

Venox laser machines offer versatile customization options to meet individual needs. Tailoring our machines to your specific requirements enhances efficiency and business outcomes across various sectors and applications.

Production & Industry

Venox lasers provide efficient solutions for industrial applications, including precise cutting and marking. Our customizable machines are designed to meet the unique needs of various industries, enhancing production processes and ensuring top-quality results.

THE LIST OF MAIN MATERIALS YOU CAN DO MARKING AND CUTTING WITH THE **FIREFLY** SERIES

MATERIAL	MARKING	CUTTING	MATERIAL	MARKING	CUTTING	MATERIAL	MARKING	CUTTING
Wood	✓	✓	ABS	✓	✓	Aluminum	⚠	✗
Acrylic	✓	✓	PBT Polybutylene terephthalate	✓	✓	Anodized Aluminum	✓	✗
Plexiglass	✓	✓	PC Polycarbonate	✓	✓	Gold	⚠	✗
Ceramic	✓	✗	PE Polyethylene	✓	✓	Silver	⚠	✗
Delrin	✓	✓	PES Polyester	✓	✓	Copper	⚠	✗
Material	✓	✓	PET Polyethylene terephthalate	✓	✓	Titanium	⚠	✗
Leather	✓	✓	PI Polyimide	✓	✓	Stainless Steel	⚠	✗
Marble	✓	✗	POM Polyoxymethylene	✓	✓	Sheet Metal	⚠	✗
Melamine	✓	✓	PP Polypropylene	✓	✓	Brass	⚠	✗
Paper	✓	✓	PPS Polyphenylene sulfide	✓	✓	Painted Metals	✓	✗
Cardboard	✓	✓	PS Polystyrene	✓	✓	Iron	⚠	✗
Rubber	✓	✓	PUR	✓	✓	Zinc	⚠	✗
Tree Veneer	✓	✓	PVC-free foam	✓	✓	Nickel	⚠	✗
Natural Stone	✓	✗						
Faience	✓	✗						
Cork	✓	✓						
MDF	✓	✓						
Mirror	✓	✗						
Food	✓	✗						
Stamp Rubber	✓	✓						



**THE MATERIALS LISTED HERE
HAVE BEEN SELECTED FROM
THE MOST FREQUENTLY ASKED MATERIALS**

**IF THE MATERIAL YOU WANT TO PROCESS IS NOT LISTED,
OR IF YOU WANT TO TEST YOUR MATERIAL,
PLEASE CONTACT OUR SALES REPRESENTATIVE.**

You can perform direct marking on anodized aluminum with the Firefly, Butterfly and DragonFly series. For other metals, you will need a marking solution. For detailed information about marking solutions, you can contact our sales team.



PVC, polycarbonate thicker than 1mm, HDPE plastic, PolyStyrene and PolyPropylene foam, fiberglass, and carbon fiber-coated products are not recommended for cutting with the Firefly or Butterfly series due to the toxic gases or highly flammable materials they emit during cutting.

THE LIST OF MAIN MATERIALS YOU CAN DO MARKING AND CUTTING WITH THE SKYFLY SERIES

MATERIAL	CUTTING				MARKING			
	CO ₂	Fiber	MOPA	UV	CO ₂	Fiber	MOPA	UV
Wood	✓	✗	✗	✗	✓	✗	✗	✓
Glass	✗	✗	✓	✗	✓	✗	✓	✓
Paper	✓	✗	✗	✗	✓	✗	✗	✗
Cardboard	✓	✗	✗	✗	✓	✗	✗	✓
Leather	✓	✗	✗	✗	✓	✓	✗	✗
Fabric	✓	✗	✗	✗	✓	✗	✗	✗
Mirror	✗	✗	✗	✗	✓	✗	✗	✗
Stone	✗	✗	✗	✗	✓	✓	✓	✗
Ceramic	✗	✗	✗	✗	✓	✗	✗	✗
Cork	✓	✗	✗	✗	✓	✗	✗	✗
Food	✓	✗	✗	✗	✓	✗	✗	✗
Aluminum	✗	✗	✗	✗	✓	✓	✓	✓
Anodized Aluminum	✗	✗	✗	✗	✓	✓	✓	✓
Stainless Steel	✗	✗	✗	✗	✗	✓	✓	✓
Brass	✗	✗	✗	✗	✗	✓	✓	✓
Copper	✗	✗	✗	✗	✗	✓	✓	✓
Acrylic	✓	✗	✗	✗	✓	✗	✗	✓
Rubber	✓	✗	✗	✗	✓	✗	✗	✓
Polyamide	✓	✗	✗	✗	✓	✗	✗	✓
Polycarbonate	✓	✗	✗	✗	✓	✗	✗	✓
Polyester	✓	✗	✗	✗	✓	✗	✗	✓
Precious Metals (up to 0.5 mm)	✗	✓	✓	✗	✗	✓	✓	✓

The information provided here is stated in general terms. The Skyfly series is produced with **Fiber, MOPA, UV, CO₂** sources, allowing compatibility with various materials.

To determine which series is right for you, you can contact our sales team.

VENOXCAD SOFTWARE

BOOST YOUR POWER!

VenoxCAD's user-friendly interface empowers operators, regardless of their software expertise. This software simplifies command input, offering color-coding for task management. It supports remote machine operation, job management, and processing time calculations.

VenoxCAD provides pre-processing simulations to prevent errors and maintain quality. Intelligent task prioritization and multiple operation features enhance efficiency, particularly in mass production. Users can save preferred settings for future use, ensuring consistent results.

Moreover, this software optimizes processing quality, preventing complex cuts and material waste. Overall, VenoxCAD streamlines laser machine operation, making it accessible and efficient for all users.

Venox's software solutions are at the forefront of the laser technology industry. The company offers a proprietary software package that seamlessly integrates with popular design software like Adobe Illustrator and Corel Draw.

This user-friendly software enhances the versatility and capabilities of Venox's laser machines, empowering users to unlock their creativity. What sets Venox apart is its commitment to providing this software free of charge to its customers, ensuring they have the necessary tools to succeed.

Unlike some competitors, Venox prioritizes customer satisfaction and user experience by offering powerful, intuitive software that simplifies the laser processing workflow and maximizes efficiency.

Additionally, Venox's software is designed with scalability in mind, making it suitable for a wide range of industries and applications. Whether you're a small business looking to personalize products or a large-scale industrial manufacturer, Venox's software adapts to your specific needs. This flexibility, combined with regular updates and support, ensures that Venox customers stay at the forefront of laser technology capabilities, giving them a competitive edge in their respective industries.





VENOX
T E C H N O L O G Y

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