

**GALVANOMETRIC
LASER SERIES** **SKYFLY**

Models | **Mini · Pro · ProExt · OEM**

Turkish Engineering, Turkish Made
Domestic Manufacturing and Domestic Capital

VENOX

T E C H N O L O G Y

Venox Technology has been producing laser machine series, which it has produced with its local engineering knowledge and entirely local capital, with TUBITAK since 2018. It produces in its campus located in the Development Zone in TUBITAK.

Venox Technology successfully introduces the Turkish brand to the world with the patents it holds on all the laser machines it produces.

**WE OFFER
TECHNOLOGY
FROM TURKEY
TO THE WORLD**



**NEED MORE INFORMATION
ABOUT OUR ENTIRE MACHINE SERIES?**

GENERAL CATALOG



FIREFLY



BUTTERFLY



ABOUT US

Venox Teknoloji is one of the leading companies in its sector and was established for the design and production of high-tech technology products.

Our company, operating in the field of laser technologies, produces innovative solutions with its R&D systems.

As a company, we always prioritize customer satisfaction and have the latest technologies and test devices.

We aim to produce high-tech machines imported from abroad within the country, using local capital, local engineering, and local materials.

The projects we carry out in our R&D center are supported by the Eastern Marmara Development Agency (MARKA), KOSGEB, TUBITAK, the Ministry of Industry and Technology and the Ministry of Economy .

With our production line with “**Just in Time**” policy and our CE certified laser machine series with industrial working capability we offer successful solutions in many industrial areas and to SME companies that want to establish their own business.

Venox Technology successfully introduces the Turkish brand to the world with the patents it holds on all the laser machines it produces.

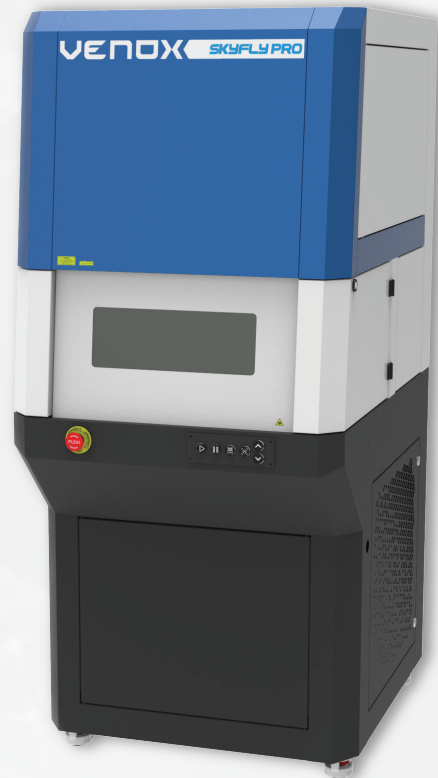


IN SMALL BUSINESS AND INDUSTRIAL APPLICATIONS

HIGH PERFORMANCE AND CONSTANT EFFICIENCY



**THE RIGHT SOLUTION
FOR YOUR MARKING WORKS!
FULL SUPPORT FROM A TO Z
FOR INTEGRATED INTO YOUR LINE!**



STANDARD FEATURES

- > Software / VenoxCAD
- > Maximum speed / 15 m/sec
- > Durable Chassis / Stainless Steel
- > Product Feeding / Can be Integrated
- > Ergonomic / Easy to Change Lenses
- > Material Height / Unlimited Height Possibility

EVERY BUSINESS NEEDS

A statement of pride presented to the world from Turkey in the "middle class" laser category, produced by Venox Technology with Turkish engineering and domestic capital.

Skyfly series offers its users the machine needs with world-class performance in a more economical way than equivalent machines, without compromising on safety and economy.

In this way, you can expand your business more easily while having a machine that you can use for years without any problems.

Skyfly series crowns unique Turkish engineering with state-of-the-art testing devices and its own patents.

The Skyfly series, which aims for high efficiency, has become the indispensable brand of hundreds of customers since 2018, with its technical service based on the "just in time" policy and its engineering that aims to prioritize customer satisfaction.

The Skyfly series provides high added value in end-user products with its expandable range of accessories. Additionally, with the ability for engineered contributions designed from scratch for industrial applications, it becomes your greatest ally in custom solutions.

It provides easy and reliable integration thanks to its Windows and Mac supported software.

The extremely compact Skyfly series uses only the highest quality mechanical components and electronic components are designed to extract the best work.

With its 3 different processing areas and very wide power options, the Skyfly series provides optimum results in all your work and allows you to avoid wasting time.

ISO 9001

BUREAU VERITAS
Certification



ISO 14001

BUREAU VERITAS
Certification



ISO 45001

BUREAU VERITAS
Certification



GENERAL APPLICATIONS



MEDICAL

The Skyfly series, capable of processing painted and unpainted metals, exhibits results that can be easily read by all data readers, thanks to its precise marking ability, even achieving contrasted marking in a size as small as 1x1 mm.



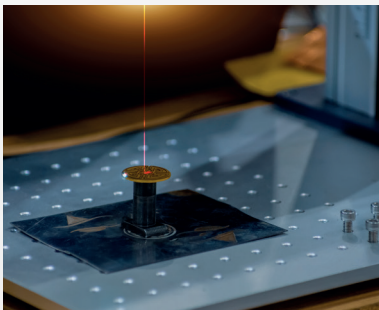
PLASTIC

The Skyfly series provides users with options for high-contrast marking on all types of plastic components, thanks to its various welding methods.



AUTOMOTIVE

The Skyfly series ensures smooth service to the automotive industry's 'just in time' operating lines with its 24/7 working capability. It provides fast and legible marking results, delivering uninterrupted service for many years.



VARIOUS ACCESSORIES

The Skyfly series, with its ergonomic design, allows easy marking for products with an unlimited number of shapes. You can either rotate it 360 degrees or mark effortlessly on a moving assembly line



LABELING

For users who do not want to mark directly on the product, it facilitates the job by offering various markings on double-layered labels or painted/unpainted metals, whether you prefer.



FLOWING LINE SOLUTIONS

The Skyfly OEM series easily adapts to dark factory systems by providing custom integration for assembly lines, whether they are in motion or stationary, through an automatic process from a data source, ensuring seamless integration.

IN MANY MORE BUSINESS LINES AND SECTORS POSSIBILITY TO PROCESS HUNDREDS OF MATERIALS

SKYFLY You can send all information such as **text, logo, QR, Datamatrix, UID and UDI, 1D and 2D, etc.** one by one via computer or phone. You can use it by extracting automatic information from source information such as TCP/IP, direct lan connection, PLC, SAP, Excel, ODBC etc.

Skyfly can read all vector files (***.plt, *.pdf, *.dxf, *.svg, *.dwg, *.aj, *.cdr etc.**), perform marking, engraving and cutting operations.

Thanks to Skyfly's programmable memory, you can mark shift codes, dates, part serial numbers, etc., on your product in sequential order, incremental order, etc., using automation.

SOFTWARE

VENOXCAD

ASSISTANT IN MACHINE USE

VenoxCAD ensures perfect precision in the tasks you send to your machine, thanks to its full compatibility and successful programming. Even without computer knowledge, it serves all users from A to Z through its user interface.

Additionally, for users who want to send their jobs to the machine directly through **Adobe Illustrator** and **Corel Draw**, you can repeat these processes directly through Venox's special software.

	SKYFLY MINI	SKYFLY PRO	SKYFLY PRO EXT	SKYFLY OEM
Laser Working Area	70 - 220mm	70 - 700mm	70 - 1200mm	70 - 1200mm
Laser Power	20 W Ytterbium	20-250 W Ytterbium / MOPA / UV / CO ₂	20-250 W Ytterbium / MOPA / U / CO ₂	20-800 W Ytterbium / MOPA / U / CO ₂
Max. Processing Speed	15 m/sn	15 m/sn	15 m/sn	15 m/sn
Laser Security	CDRH laser safety certificate, laser class 2, CE certified, cover open control switch, high temperature protection			
Machine Dimensions (W x H x D)	690x460x500 mm	1000x1920x1550 mm	1620x1865x1240 mm	-
Weight	35 kg	260 kg	360 kg	-
Power Consumption	AC 110-230V 50/60 Hz	AC 110-230V 50/60 Hz	AC 110-230V 50/60 Hz	AC 110-230V 50/60 Hz
Options	Rotary Pro, Pen Rotator, Product Feeding Unit		According to Your Line Needs Can be Integrated	



SAMPLE
Scan the QR code
for the examples.

**VENOX
PRIVILEGE**


TURNKEY PRICE


**ON-SITE
TECHNICAL SERVICE**


**AFTER-SALES
SERVICE**


**CONTINUOUS
EDUCATION**

OUR ADVANTAGES



WARRANTY AND QUALITY STANDARDS

Long warranty periods, high-quality standards, and certifications instill greater confidence in customers regarding the reliability of the products.



TECHNICAL SERVICE POLICY

With local production and TÜBİTAK support, technical service is there for you whenever you need it.



ONLINE SUPPORT

It is possible to instantly communicate with experts regardless of geographical location. This ensures that issues related to devices are quickly resolved, leading to user satisfaction.



LOW MAINTENANCE FEES

Engineered for 24/7 time-based operation, resulting in almost zero maintenance costs.



LOW ENERGY CONSUMPTION

By offering machines with low energy consumption, we provide customers with lower operating costs and environmental impact reduction.



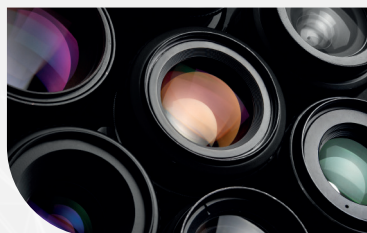
STRONG R&D CAPABILITIES

Continuous innovation and improvement to provide customers with advanced technology services.



NO CONSUMABLES

A technology that operates with 220V electricity, requiring no consumables such as paint, etc.



EASY TO CHANGE LENS

More precise marking with options of 700x700 mm, 1100x1100 mm, 2200x2200 mm, and intermediate lens choices.



REFERENCES

Opportunity to observe the quality of products and services using successful projects and customer references.

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, with 100% Turkish language support and a user-friendly interface, makes it easy to use.

Unlike other software, it allows operators to send commands to the machine with just a few buttons, without requiring any software or graphic knowledge, in a way that operators can easily understand.

VenoxCAD allows easy management of cutting, engraving, and marking areas with the coloring option on the control panel. You can assign colors to commands, such as simply marking or cutting, and process them.

You can manage your machine remotely without leaving your computer, send jobs, start jobs, define new jobs, and create job queues.

VenoxCAD, which calculates processing time for you, offers a preview of the entire process with a pre-processing simulation display. This way, you can see and prevent potential errors in your job without damaging your product. This ensures that you always make a profit by not causing damage to the products you are working on.

With intelligent software, you can improve processing quality by letting VenoxCAD prioritize cutting, engraving, and marking from inside to outside, preventing complex cutting and avoiding damage to your product.

Moreover, thanks to the smart software's calculations, you can complete your job more quickly without compromising quality.

Especially in mass production, you can crown your products with the multiple operation feature, saving both time and material.

By storing power and speed settings in the software memory, you can save the best parameters for your program. Even after a long time, when you want to achieve the same result with the same material, you can quickly complete your work without losing previous results and wasting time.



SKYFLY MINI

A COMPACT SOLUTION

A compact desktop laser marking machine solution with very high marking precision and a laser power operating life of over 100,000 hours, designed for users who require a marking area of up to 220mm, have limited workspace due to its compact design. It is specially tailored for users, particularly in the jewelry industry, label manufacturers, and individuals engaged in promotional and souvenir sales in the national and international markets.

Working Area: 60-220 mm
Material Height: Max. 260 mm
Machine Dimensions: 250x350x750 mm
Marking Speed: 15 m/sec.
Security Level: CDRH: Class 2
Laser Type: Ytterbium
Laser Power: 20 W
Machine Weight: 35 kg

**YOU CAN SCAN THE QR CODE
FOR THE SAMPLES ABOUT SKYFLY MINI**



**YOU CAN MARK
1000 CHARACTERS PER MINUTE
WITH SKYFLY MINI!**

**THANKS TO
THE USER-FRIENDLY INTERFACE
OF SKYFLY MINI'S
SMART SOFTWARE,
ALL TASKS ARE JUST
A CLICK AWAY!**

MOST PREFERRED APPLICATIONS FOR SKYFLY MINI

Promotional Products



Machine Part



Jewelry Products



All Kinds of Labels



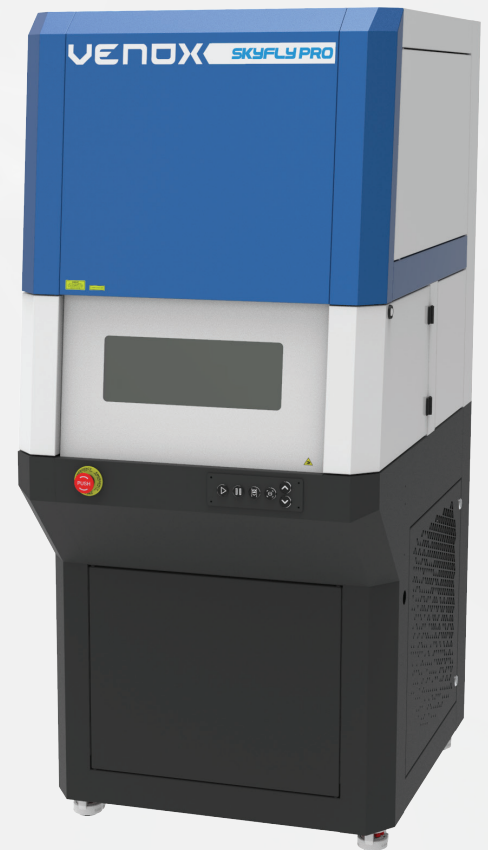
SKYFLY PRO

IS HERE TO EMPOWER YOUR BUSINESS!

With a marking area between 60mm and 900mm, with power options between 20W-850W, it is suitable for those who want to do precision work in heavy industrial works such as automotive, defense industry and aviation. An industrial laser marking and cutting machine solution that meets international standards and meets your cutting and marking needs.

Working Area: 70-500 mm
Material Height: Max. 600 mm
Machine Dimensions: 1000x1920x1550 mm
Marking Speed: 15 m/sec.
Security Level: CDRH: Class 2
Laser Type: Ytterbium / UV / MOPA / CO₂
Laser Power: 20W-850 W
Machine Weight: 260 kg

**YOU CAN SCAN THE QR CODE
FOR THE SAMPLES ABOUT SKYFLY PRO**



**SKYFLY PRO CAN CUSTOMIZABLE
WITH DISTINCT FEATURES AND
POWER OPTIONS**

**YOU CAN DO
2.5D and 3D MARKING AND
ENGRAVING PROCESSES
WITH SKYFLY PRO!**

MOST PREFERRED APPLICATIONS FOR SKYFLY PRO

Industrial Parts



Heat Treated or
Products to be Sandblasted



Industrial Solutions



Parts Requiring
High Precision



SKYFLY PROext FOR THOSE WHO NEED A LARGER WORKING AREA

An industrial laser marking and cutting machine with a marking area of up to 2000mm, power options ranging from 20W to 850W, designed for precision work in heavy industrial tasks such as automotive, defense, aviation. Suitable for multiple-shift systems, it can meet your cutting and marking needs. The machine adheres to international standards.

Working Area: 1200x500mm

Material Height: Max. 600mm

Machine Dimensions: 1620x1865x1240 mm

Marking Speed: 15 m/sn

Security Level: CDRH: Class 2

Laser Type: Ytterbium / UV / MOPA / CO₂

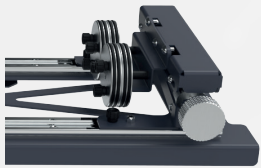
Laser Power: 20W-850W

Machine Weight: 360 kg



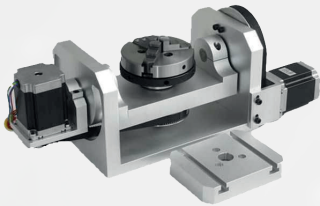
**YOU CAN WORK IN
A LARGE AREA WITH
SKYFLY PROext THAN
THE PRO VERSION**

OPTIONAL EQUIPMENT FOR SKYFLY SERIES



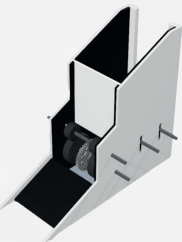
ROTARY ATTACHMENT

With the exclusive rotary attachment for Skyfly Pro, you can perform 360-degree marking and engraving operations on various products weighing up to 5 kg. Thanks to the 100% domestic design of the rotary attachment, you can easily work with many industrial parts.



PART-SPECIAL HOLDING ATTACHMENT

You can design a special holding device for unstable or angled products that you can use in Skyfly Pro. In this way, you can fix and mark the part in the same way, avoiding standard jigs systems.



PRODUCT FEEDING UNIT

Bobin şeklinde bir ürünü otomatik olarak kesmek veya markalamak gibi bir çözüme ihtiyacınız varsa ya da on binlerce plakayı insansız şekilde sırayla markalamak, oymak ya da kesme ihtiyacı duyuyorsanız ürüne özel besleme ünitesi ile çözüm bulabilirsiniz.

SKYFLY OEM INTEGRATING TO A LINE IS VERY EASY

Skyfly OEM can be integrated into production lines. If you need a customizable solution that can communicate with management systems such as SAP, ERP, etc., using connection methods like CAT5, CAT6, TCP/IP, and can adapt to all line speeds as needed, you can quickly and easily integrate it into your line. Venox Technology provides services for integration.

Working Area: Optional
Material Height: Optional
Machine Dimensions: Optional
Marking Speed: 15 m/sec.
Security Level: CDRH: Class 2
Laser Type: Ytterbium / UV / MOPA / CO₂
Laser Power: 20W-850 W

YOU CAN SCAN THE QR CODE FOR THE SAMPLES ABOUT SKYFLY OEM



SKYFLY OEM CAN BE FULLY INTEGRATED INTO YOUR PRODUCTION LINE, ALLOWING YOU TO MARK ALL DESIRED INFORMATION

SKYFLY OEM IS NOT SUITABLE FOR DESKTOP USE. IT IS SPECIFICALLY DESIGNED FOR INTEGRATION INTO PRODUCTION LINES.



OPTIONS FOR SKYFLY OEM



IMAGE PROCESSING

You can easily perform operations such as marking the length, diameter, etc., of the products on your line by simultaneously measuring information, or confirming marked information such as text, QR code, or Datamatrix.

Manage your time thanks to Skyfly OEM, which is fully compatible with Industry 4.0!

- + Reduce your operating costs decisively.
- + Use it cost-free for years after installation without the need for consumables.
- + Secure your production line thanks to the 24/7 technical service support system.
- + Zero out your consumable expenses.
- + Save up to 70% on electricity consumption
- + Eliminate unforeseen costs by not allowing your line to stop

INDUSTRIES WHERE SKYFLY OEM IS MOST USED

- + Automotive
- + Aviation
- + Defense Industr
- + Building Industry
- + Chemical
- + Cable, Pipe, Wire
- + Electricity and Electronics
- + Machine
- + Food



CUSTOM APPLICATIONS FOR YOU

With our customer-centric approach, we offer customized solutions for your laser cutting and marking needs. Thanks to our flexible design philosophy, we successfully implement specialized applications for customers from every sector.



Flexible Design and Application

We know that every project has its own unique requirements. By collaborating closely with our customers, we leverage our flexible design capabilities for special applications. This allows us to bring even the most complex designs to life. By producing customized solutions to your needs, we support your business and customers more effectively.

We provide solutions for customers operating in a wide range of industries, from automotive to textile, electronics to furniture. We are aware that each industry has different requirements and challenges. Therefore, by developing customized approaches for each project, we enable you to strengthen your competitive advantage in your industry.

Skyfly OEM-ACROBAT

Acrobat Arm Technology offers solutions for delivering high-powered laser beams to the desired point.

In Acrobat Arm Technology, the laser beam travels a fixed distance from the source to the exit point. This ensures a constant power laser beam across the entire working area.

In Acrobat Arm Technology, the laser beam is carried through aluminum pipes to the desired area. In this way, it provides a safe working environment.





VENOX

T E C H N O L O G Y

DO YOU NEED MORE INFORMATIONS?

FIREFLY



SKYFLY



BUTTERFLY



Do you need detailed information about the features, photos and videos of the machines?

You can access the detailed informations by scanning the qr codes with your smartphone.

Head Office

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