



ROBART LASER



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Teknolojiyi Uzaklarda Arama!
Do not Search to Technology Far Away!

**CO₂ LASER
SYSTEMS**



Robart Laser

2003 yılında kurulmuş olan ROBART MAKİNA TASARIM ÜRETİM LTD.ŞTİ. lazer teknolojileri alanında hizmet vermektedir. ROBART ismi; teknolojinin ifadesi "ROBOT" ve sanatın ifadesi "ART " kelimelerinden esinlenerek ortaya çıkmıştır.

Türkiye'de CO₂ Laser teknolojileri sektöründe kaliteli ve ileri teknolojiyi müşterilerine sunan, etik ilkelere bağlı, sektör paydaşlarına saygılı, güvenilir, dürüst ve en önemlisi '**Teknolojiyi Uzaklarda Arama...**' sloganının çıkış yeri olarak yerli üretici olmanın haklı gururunu yaşayan ROBART LASER, kurulduğu günden bu yana %100 müşteri memnuniyetini amaç edinmeye devam etmektedir.

ROBART LASER, tasarladığı ve üretimini yaptığı lazer teknolojilerinin yanı sıra sunmuş olduğu hızlı, çözüm odaklı teknik destek, geniş yedek parça ile sektörün öncüsü olmuştur. ROBART LASER edindiği tecrübe ile farklı sektörlerin ihtiyaçlarını belirlemede de öncü olmaya devam etmektedir.

ROBART LASER, geliştirdiği Galvo Laser Teknolojisi ile sektörel ihtiyaçlara yönelik ürün yelpazesine kattığı;

- **WoodArt** (Mobilya ve çelik kapı panel sektöründe desen verme, oyma ve yakma işlemlerinde)
- **RollArt** (Tekstil sektöründe rulo kumaş markalama, kesme ve işlemede)
- **PaperArt** (Matbaa sektöründe; dijital baskı, ofset baskı ve mikro kesim ve delme işlemlerinde) Makine grubu ile
- Metal sanayii için bünyesine kattığı **Fiber Laser Teknolojisi** ile yoluna emin adımlarla devam etmektedir.

About Us;

Established in 2003 ROBART MACHINE DESIGN PRODUCTION LTD. CO. Provide services in the field of laser Technologies. The name ROBART originates from the unification of two words namely "ROBOT" an expression for technology and "ART" the expression for art itself.

ROBART LASER, taking the justified pride of being a domestic manufacturer by offering their customers high-quality and advanced technology in the sector; by being bound to ethical principles, and being respectful, honest to their stakeholders in the same sector, however, most importantly as the birthplace of the slogan "**Do not Search to Technology Far Away!**" the company has been continuing to aim for 100% customer satisfaction since the day of incorporation. ROBART LASER has become the industry leader with its fast, solution-oriented technical support and wide spare parts that it has designed and produced, as well as laser technologies. ROBART LASER continues to be a pioneer in determining the needs of different sectors with it's experience.

ROBART LASER, with the Galvo Laser Technology that it has developed and added to their product range for the sectoral needs the following;

- **Wood Art** (for patterning, engraving and burning in furniture and Steel door panels)
- **Roll Art** (Marking, cutting and processing of roll fabric in textile sector)
- **Paper Art** (In the printing industry, digital printing, offset printing and micro cutting and drilling) with machinery group,
- The company is taking firm steps forward together with the **Fiber Laser Technology** incorporated for the Metal Industry.



ROBART LASER

BELGELERİMİZ





ROBART LASER

LGM SERIES CO₂ LASER SYSTEMS



Sistem Dahilinde Olanlar:

- Robart Galvo Laser Sistemi
- Güvenlik Kontrollü Endüstriyel Soğutma Ünitesi
- Çalışma Standı
- Dijital Kafa Yüksekliği Ayarı
- 4 KW Vakum Emiş Sistemi
- Robart Software Programı
- Sistem Bilgisayarı
- Kurulum ve Eğitim

System Contains:

- Robart Galvo Laser System
- Industrial Chiller with Secure Controller
- Working Stand
- Digital Head Height Adjustment
- 4 KW Vacuum System
- Robart Software
- System Computer with necessary programs
- Installation and Training



1200 X 2400 MM
İŞLEME ALANI

AKARAK İŞLEME

YÜKSEK HIZLI
PERFORMANS

TEKNOLOJİK
AHŞAP SANATI

1200 X 2400 MM
PROCESSING AREA

FLY MARKING MODE

HIGH SPEED
PERFORMANCE

TECHNOLOGICAL
WOOD ART

OTOMASYONLU
MOBİLYA AHŞAP VE
ÇELİK KAPI PANEL
İŞLEME LAZERİ
AUTOMATION
FURNITURE WOOD AND
STEEL DOOR PANEL
PROCESSING LASER



Galvo Head Informations

Galvo Technology	RAYLASE 3 Axis High Speed Digital Galvonometric Head
Beam Expander	Expander
Focus Beam Adjustment	Automatically Tuned Beam Thickness According to Changing Distance
Focus Height Adjustment	Digital Indicator Measuring Automatic Distance
Processing Speed	*20.000 mm/sec
Vector Processing Speed	8.000-20.000 mm/sec
Jpg Processing Speed	12000-20.000 mm/sec
Working Fields	1200 x 2400 mm (Max.)
Beam Thickness	270 µm - 1200 µm → On 30 mm Systems, 180 µm - 670 µm → On 50 mm Systems
Moving Head	Quality Cutting Precision Everywhere with Moving Axis
Program	Software (Options: Red Pointer, Blu, Cut and Scanning Optimised)
File Formats	CAD Draws (plt,dwg, dxf, hgl, hg, eps, cmx) Raster Formats (wmf, bmp, jpg, gif) Others.
Job Sending	With USB or Ethernet

Laser Tube Properties

Laser Tube Brand	LUXINAR CO ² Water Cooled Laser Tube			
Laser Wave Length	10600 nm			
Laser Tube Model	Sr 10i	Sr 15i	Sr 25i	OEM 45ix
Laser Power	150 W	210 W	300 W	540 W
Laser RF Power Source	Integrated			
Laser Electric Need	Monofaze 200 VAC-240 VAC,50Hz		Trifaze 380 VAC, 50 Hz	
Laser Electric Power	3.5 Kw / 5.7 kW			

System Informations

Movement System	Y Axis Table - Z Axis Focus - R Axis Height Motion Axis
Cabinet Dimensions	2000 x 4500 x 2600mm
Weight	750 - 1850 Kg
Ambient Temperature and Humidity	Temperature Between 18°C and 28°C Humidity Between %50 and %70
Chilling Unit	Safety Laser Tube Cooling System
Lighting	Led Band Fixture 36W 1200 mm White
Serial production key and pedal	Yes (Cabin Side and Under Table)
Computer Unit	Yes (Panel, PC, Windows 7 Keypad & Mouse)
Vacuum Unit	Yes (Under the Honeycomb and in the Cabin)



ROBART LASER

WOODART LASER CO₂ LASER SYSTEMS

WoodArt Laser Sistemleri

WoodArt Galvo Laser; mobilya, çelik kapı ve aksesuar üretiminde tercih edilen bir makinadır. HS Dijital Galvo sistemi ile hassas ve hızlı işlem yapabilirsiniz. Kaplamalı ve kaplamasız ahşap ürünlerde mdf, lake, suntalam, boyalı ve boyasız ürünlerde motif, desen, kazıma, oyma ve yakma yaparak ürünlerinizi farklı kılabilirsiniz.

Uygulama Alanları:

Mobilya, Çelik Kapı Yüzeyi, Tekstil, Deri Konfeksiyon, Aksesuar, Kumaş, Ayna, Cam, Pleksiglas ve Desen Tasarımı

Wood Art Laser Machine

Woodart Galvo Laser is a machine which is preferred in the manufacturing of furniture, steel doors, and accessories. It is possible to make quick and precise operations together with the HS Digital Galvo system. In plated and naked wooden works, you can make your products unique by having mdf, lacquer, melamine coated chipboard, motives in painted and unpainted products, patterns, scratching, engraving, and burning.

Application Fields:

Furniture, Surface of Steel Doors, Textiles, Ready to Wear Leathers, Accessories, Fabrics, Mirror, Glass, Plexiglass and Pattern Designing.

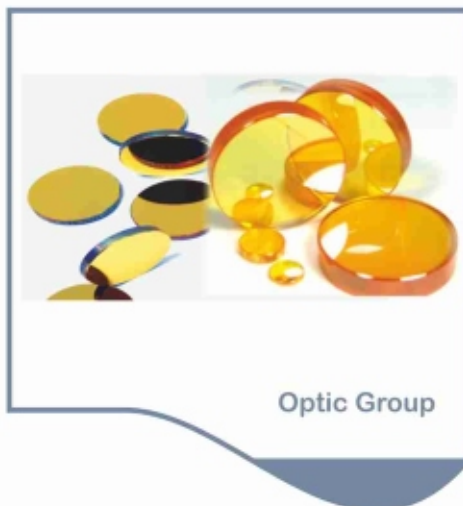


 **Wood Art
LASER**





Components





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ÇÖZÜM ORTAKLARIMIZ



2 YIL
GARANTİ

%100 TÜRK
MÜHENDİSLİK
TASARIMI

ROBART LASER

[Türkiye'nin Lasercisi]

Solution Partners

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RAYLASE

SIEMENS

MAX

Raycus
FIBER LASER

RAYTOOLS
Brighten your machine tools

Panasonic
ideas for life

PRECITEC

Schneider
Electric

DELTA

YASKAWA

HIWIN®
Motion Control and System Technology

APEX DYNAMICS BRASIL

THK
The Mark Of Linear Motion

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endüstriyel
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LIMING

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FABRİKA / FACTORY / SHOWROOM

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