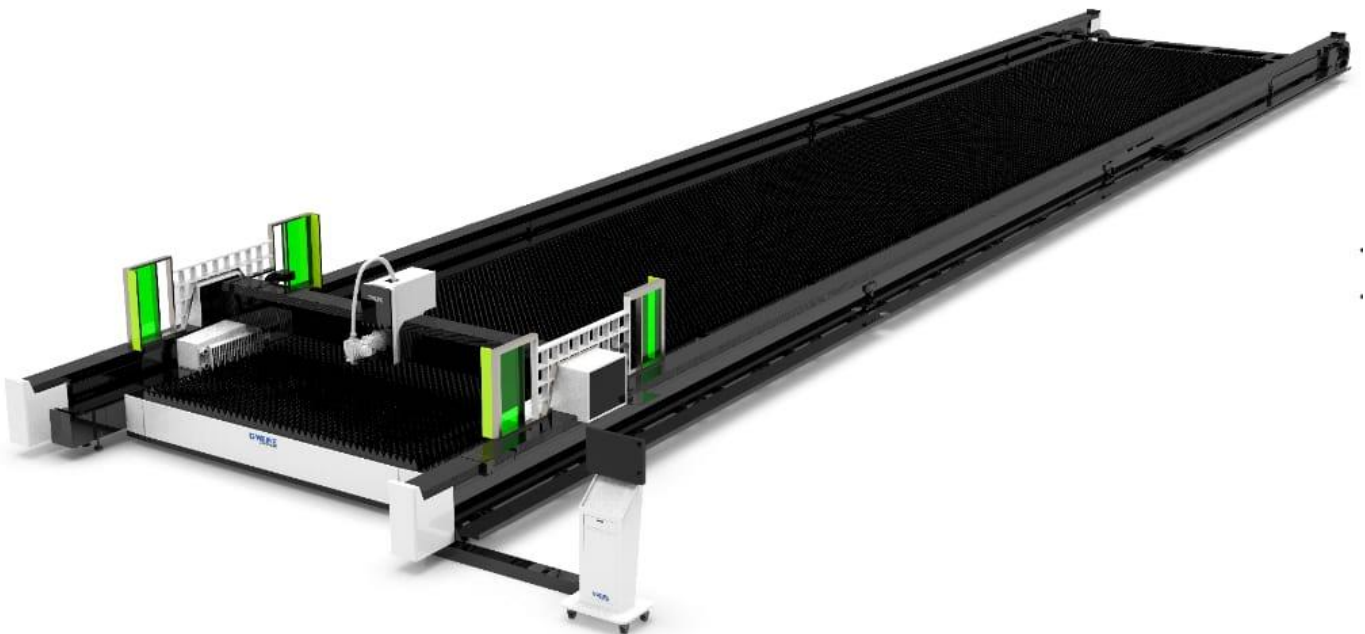
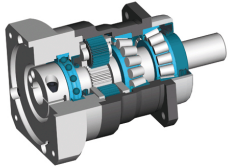


FIBER LASER CUTTING MACHINE MODEL : GKS12032SL-15000W RAYCUS





TECHNICAL CONFIGURATIONS:

	COMPONENT	DESCRIPTION	BRAND/ORIGIN
	15000W RAYCUS LASER SOURCE	100,000 hours life time more stable and cost-efficient maintenance free	
	BLT420 BOCI LASER HEAD	High power series designed for metal sheet production industry. Adopts Ethercat bus technology, featured by easy-install-and-adjust benefits, Robust performance, is the most intelligent laser on the market.	
	MOTOVARIO MOTOREDUCE REDUCER	More Powerful, High Efficiency, High Rigidity, Output Diversification. 100,000 hours life time cost-efficient and maintenance free.	 FRANCE
	INOVANCE SERVO MOTOR ON X, Y & Z axis	Built with a compact footprint, yet provide a higher torque while maintaining an inertia rating well within the medium range.	 GERMANY
	GUIDE RAIL	Linear guide design, carrying capacity. Long-life high-speed, high precision and smooth linear motion.	 TAIWAN
	CHNT ELECTRIC COMPONENTS	Highly stable Electrical Control Components.	 FRANCE



CYPCUT 6000 CONTROL SYSTEM

Integrated file read, design, processing and output control as a whole. Software provides extensive laser cutting process parameters.

CypCut



HELICAL GEAR & RACK

High precision, long life can provide rigorous support for quenching helical gears and grinding helical gears.

Y Y C
TAIWAN



AIRTAC PNEUMATIC COMPONENTS

Steps control of air pressure proportional to an electrical signal. Serial communications specifications, Compact/Lightweight (Integrated communications parts)

Airtac



INDEPENDENT CONTROL CABINET DUST-PROOF

All electrical components and laser are built-in to the independent control cabinet with a dust-proof design to prolong the lifespan of the electrical components.

G-WEIKE
LASER 金威刻
G-WEIKE



5th GENERATION AVIATION ALUMINUM GANTRY

It is manufactured with aerospace standards and formed by 4300 tons press extrusion molding

G-WEIKE
LASER 金威刻
G-WEIKE



AUTO / HIGHER

Raise system adjust the focal length automatically according to the height of the plate

G-WEIKE
LASER 金威刻
G-WEIKE



Security/Stability IPAD DESIGN SCREEN

A vertical screen display, different from the traditional horizontal one with good response speed, higher contrast, wider view, lower consumption as well as high resolution.

G-WEIKE
LASER 金威刻
G-WEIKE



FUME EXTRACTOR

To properly exhaust fumes and smoke from the laser cutting process



S&A WATER COOLING SYSTEM

Water chiller of Fiber cutting machine's water system adopts double temperature water chiller, one is cooling laser and the other is cooling cutting head



VOLTAGE STABILIZER

Voltage deviation
380V $\pm$ 10%



MODULAR SPLICING BED INTEGRATED GANTRY

High strength, stability, tensile strength, ensuring 20 years of use without distortion. Thickness of rectangular pipe wall is 10mm and weights 4500 kg.



15000W CUTTING THICKNESS CHART :

MATERIAL	THICKNESS
CARBON STEEL	: 60 mm
STAINLESS STEEL	: 60 mm
ALUMINUM	: 60 mm
BRASS	: 30 mm

15000W CUTTING SPEED CHART

Material	Thickness	Assisted Gas	(M/MIN) Max Speed
CARBON STEEL	1.0	Air	50.0-70.00
	2.0		45.0-52.0
	3.0		30.0-40.0
	4.0		25.0-29.0
	5.0		18.0-23.0
	6.0		13.0-19.0
	8.0		8.0-12.0
	10.0		6.0-8.5
	12.0		5.0-6.0
	16.0		4.5-5.5
	1.0	Nitrogen	70.0-90.0
	2.0	Oxygen	7.5-8.2
	3.0		5.5-6.0
	4.0		4.5-5.2
	5.0		4.0-5.0
	6.0		3.8-4.3
	8.0		2.8-3.5
	10.0		2.6-3.0
	12.0		2.5-3.0
	16.0		1.7-2.0
	20.0		1.3-1.6
	22.0		1.1-1.3
	25.0		0.9-1.2
	30.0		0.6-0.8
	40.0		0.4-0.7
	50.0		0.20-0.25

STAINLESS STEEL	60.0	Air	0.18-0.20
	1.0		80.0-95.0
	2.0		48.0-55.0
	3.0		35.0-40.0
	4.0		25.0-29.0
	5.0		18.0-23.0
	6.0		14.0-19.0
	8.0		8.0-12.0
	10.0		6.8-8.5
	12.0		5.5-6.5
	16.0		4.5-5.5
	20.0		1.9-2.1
	25.0		1.2-1.4
	30.0		0.8-1.0
	40.0		0.4-0.5
	50.0		0.17-0.3
	1.0	Nitrogen	75.0-90.0
	2.0		46.0-50.0
	3.0		30.0-38.0
	4.0		22.0-28.0
	5.0		16.0-22.0
	6.0		12.0-15.0
	8.0		7.5-8.5
	10.0		5.5-6.5
	12.0		3.3-4.0
	14.0		2.5-3.0
	16.0		2.3-2.8
	20.0		1.5-1.9
	25.0		0.9-1.2
	30.0		0.6-0.8
	35.0		0.5
	40.0		0.4
	50.0		0.25
	60.0		0.15
BRASS	1.0	Nitrogen	40.0-55.0
	2.0		32.0-37.0
	3.0		20.0-24.0

ALUMINUM	4.0		16.0-19.0
	5.0		13.0-16.0
	6.0		9.0-11.0
	8.0		6.0-8.0
	10.0		5.0-6.0
	12.0		2.0-2.2
	15.0		1.3-1.4
	18.0		0.8-1.2
	20.0		0.6-0.7
	25.0		0.4-0.6
	30.0		0.3-0.5
	1.0	Nitrogen	50.0-60.0
	2.0		35.0-38.0
	3.0		25.0-30.0
	4.0		20.0-23.0
	5.0		15.0-18.0
	6.0		12.0-14.0
	8.0		8.0-10.0
	10.0		5.0-7.0
	12.0		2.5-3.5
	14.0		2.0-3.0
	16.0		1.5-2.5
	20.0		0.8-1.2
	25.0		0.5-0.7
	30.0		0.45-0.6
	35.0		0.45-0.55
	40.0		0.28-0.33
	50.0		0.2-0.25
	60.0		0.2

RELATED PARAMETERS :

Model	: GKS12025SL
Maximum Processing Range	: 12000 x 3200 mm
X axis travel	: 3200 mm
Y axis travel	: 12000 mm
Z axis travel	: 270 mm
X/Y axis Positioning accuracy	: 0.1/10m & 0.5/5m
X/Y axis Repeat positioning accuracy	: ±0.05 mm
X/Y axis Max moving speed	: 80 m/min
X/Y maximum cutting speed	: 42 m/min
X/Y maximum Acceleration	: 0.5G
Transmission Type	: Dual Drive Rack
X axis Motor Power	: 1.3 kw
Y axis Motor Power	: 2.9kw x 2
Z axis Motor Power	: 0.75 kw
Guide Rail Width	: 35 mm
Working platform load	: 15000 kg
Enclosed laser Protection	: Yes
Lubrication Type	: Automatic Oiling
Specified voltage and frequency	: 380V/50Hz/60Hz/60A
Laser Power	: 15000W
Dimension (L x W x H)	: 13130 x 4430 x 2000 mm
Weight	: 17090kg
Brand New	: China

ADVANTAGE:

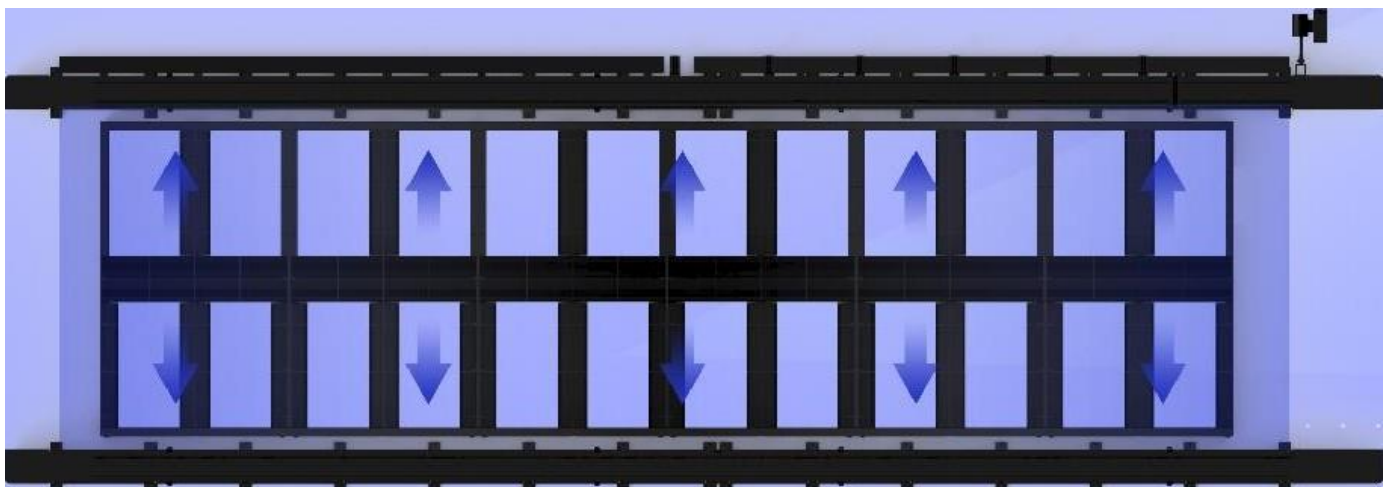
SEGMENTED SPLICED BED CAN BE CUSTOMIZED TO LENGTHEN

Modular splicing bed, separate double guide rails on both sides, integrated welding gantry, flexible disassembly of the blade bracket, the bed can be customized and lengthened and put into production quickly and efficiently.



SEGMENTED SMOKE AND DUST REMOVAL FOLLOW UP SMOKE EXHAUSTING

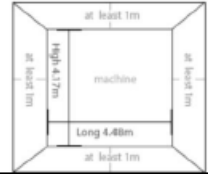
Each Section of the bed equipped with a smoke exhaust device, which can accurately exhaust the smoke; the axial flow fan surrounds the downward smoke exhaust 360° and strongly absorbs it; the harmful gas, smoke and dust are clearly filtered out



FUNCTIONS:

Auto Focus	Automatic Adjustment if cutting head focus, making perforating & cutting more efficient
High-Speed Cutting Process	Significantly increase cutting speed and save time
Follow up anti-collision Induction	Through the capacitive sensing of the cutting head, intelligently avoid random warping during cutting process and reduce the risk of head collision
Edge-seeking and prevent tying the head	When the capacitor is edge-seeking, the height controller can intelligently judge whether it is following the board, so as to protect the cutting head to prevent it from tying the head during mis-operation.
Graphics automatic optimization	The trajectory in the drawing that is not suitable for laser cutting can be automatically optimized into a trajectory suitable cutting
One-click Micro-connection One-click compensation	The micro-connection and notch size on the drawing can be modified in batches through the process
Automatic edge seeking	One-click open the edge search, easily and quickly obtain the deflection angle and vertex of the board, no need to manually walk the frame to find the board boundary, automatic edge search before processing, to ensure processing safety and improve efficiency
Leapfrog on table	One-click to open edge seeking, get the sheet deflection angle and vertices easily and quickly, no need to manually seek the border to find the sheet border
Breakpoint memory	Automatic edge seeking before processing to ensure safety and improve efficiency
Fly cutting	During the idling process, the lifting of the cutting head is synchronized with the XY Axis movement, which can reduce the idling time and improve cutting efficiency
One-click cut off	The Manual stop of the last cutting or the interruption point of the stop due to abnormal conditions can be recorded, so that it is convenient to continue processing along the original track
Smart Cooling Point	By controlling the switch, cooling can be performed at any trajectory, enabling better quality for thick plate cutting
Independent height controller	The scanning cutting method can be used to connect the line segments in the same direction for flying cutting, which can greatly improve the cutting speed

PREPARATION BEFORE ORDER:

Power Supply	 Industrial Electricity 380V 50HZ	(1) Rated output voltage : 380V (2) Voltage Frequency : 50Hz (3) Three-phase voltage stability: +5% (4) Output voltage regulation
Position to Show Machine		Put machine evenly on ground. Position follows 6 "No rules-no inflammable, no explosive, no volatile solvent, no dust, no corrosion, no fumes.
Cutting Assisted Gas	 Oxygen	When using oxygen as assisted gas, the pressure is to be up to 1MPa and purity of 99.9%; when cutting iron, an additional small carburetor has to be added with vaporization capacity 30NM3/H or vaporization flow amount 50NM3/H.
	 Nitrogen	N2 cut for stainless steel, its pressure reaches 2MPa, in other name 20KG, purity of 99.999%; A capacity for Carburetor is 50N3/H with design pressure 2.5MPa. When using with small cylinder of N2 for cutting, a high pressure nitrogen meter is a must with range from 0 to 6MPa.
		Air cut mainly used in cutting for thin sheet steel: It is better to use the screw type air compressor (stable pressure of 1.2MPa, the displacement of 100 L /min). Prepare with you a 3- grade filtration device (Q.P.S) and that equipped with air dryer (treatment capacity 2.5Nm2/min), an air storage tank (0.6 cubic meters). Recommend to select the quality filter, the higher the configuration, the least possibility of being contaminated the protective lens by oil and water. Thus, the cutting effect is better.)

EXCLUSIVE OFFER IN COLLABORATION WITH BROTHER GAS

- ❖ Initial 2 racks will be provided FOC to customer upon purchase of Laser Cutting Machine for its commissioning upon dealing with Brother Gas.
- ❖ Brother Gas will support installation and commissioning of total bulk gas solution along with pipeline, FOC upon minimum volume commitment with Brother Gas.
- ❖ Special liquid price will be provided to customer with an additional 15% discount compare to market price along with tank and pipeline investment.
*****tank investment and bulk installation is completely subject to minimum volume commitment from customers.***
- ❖ Complete AMC of gas supply system will be taken care by Brothers Gas to customers, FOC.



Nitrogen Rack - 1x16 Cylinder (160Nm3) - 99.999%



Oxygen Rack - 1x16 Cylinder (160Nm3) - 99.5%



Gas Dura Cylinder

CRITERIA FOR GAS SUPPLY SELECTION:

Supply Solutions	Purity (min.)	Pressure (Bar)	Civil Work	Min. Gas Consumption (m3/month)	Capital Investment
Loose Cylinders	4.6	200	No	<500	Low
Cylinder Rack	4.6	200	No	> 500 – 1500	Low
Bulk – Dura/Mini Bulk	5	17 - 32	No	> 500 – 1500	Low

NOTE: NAREX PROVIDES A UNIQUE DEAL TO ITS CUSTOMERS IN CORPORATION WITH BROTHER GAS. THE PRICE COMMITMENT WILL SOLELY BE BETWEEN BROTHER GAS AND CUSTOMER.

OPTIONAL CONFIGURATION:

Save your Gas Cost, Below is an Estimate of Cutting Capability by Compressor to Save Gas Cost. Contact our experts to know more about our Compressor.

OPTIONS :	DESCRIPTION	BRAND
	Air Compressor Up to 10 Bar Pressure can be used so save cost up to 35% of your thickness capacity. (Save Nitrogen/Oxygen Cost)	ATLAS COPCO
	16-Bar Screw Compressor 60-70% of the thickness capacity can be easily cut by the 16 Bar Pressure Compressor, providing you a great saving on Cost per cut. (Save Nitrogen/Oxygen Cost)	PIONEERAIR
	18-Bar Screw Compressor 75- 85% of the thickness capacity can be easily cut by the 18 Bar Pressure Compressor, providing you a great saving on Cost per cut.	PIONEERAIR
	COMPRESSED AIR SYSTEM FOR LASER 30-Bar Booster Compressor Cut 95% of the thickness capacity by the 30 Bar Pressure Booster 0.3Mpa reciprocation air compressors, directly get 30 bar compressed air Ø 300 liters vertical air storage tank integrated. No dust, No oil, No water for pure air source. Centralized automatic water drainage system, easy, convenient. (Save Nitrogen/Oxygen Cost)	PIONEERAIR

Cutting Samples :





NAREX INDUSTRIAL MACHINERY L.L.C.

DELIVERY & INSTALLATION:

1. Delivery at your site within UAE.
2. Training & Installation by our skilled Engineers at your site.

AFTER SALES SERVICE:

1. Two years warranty (One year spare parts & 2nd year free Service).
Except for consumable items e.g Nozzle, Lens etc.
2. Complaint will be solved within 12 working hours, by our in-house skilled Engineers.

MACHINE VIDEO :

<https://www.youtube.com/watch?v=ddcoW-bDRnM>

