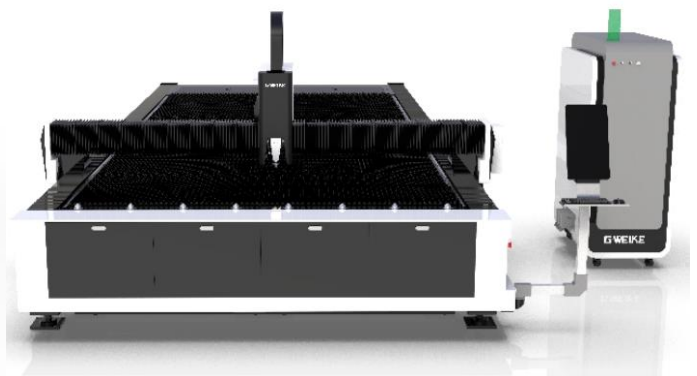
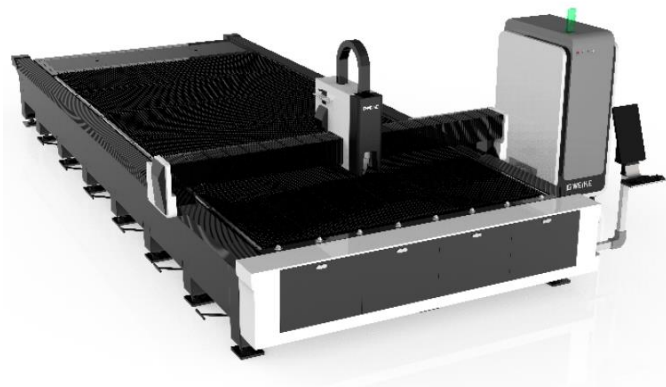
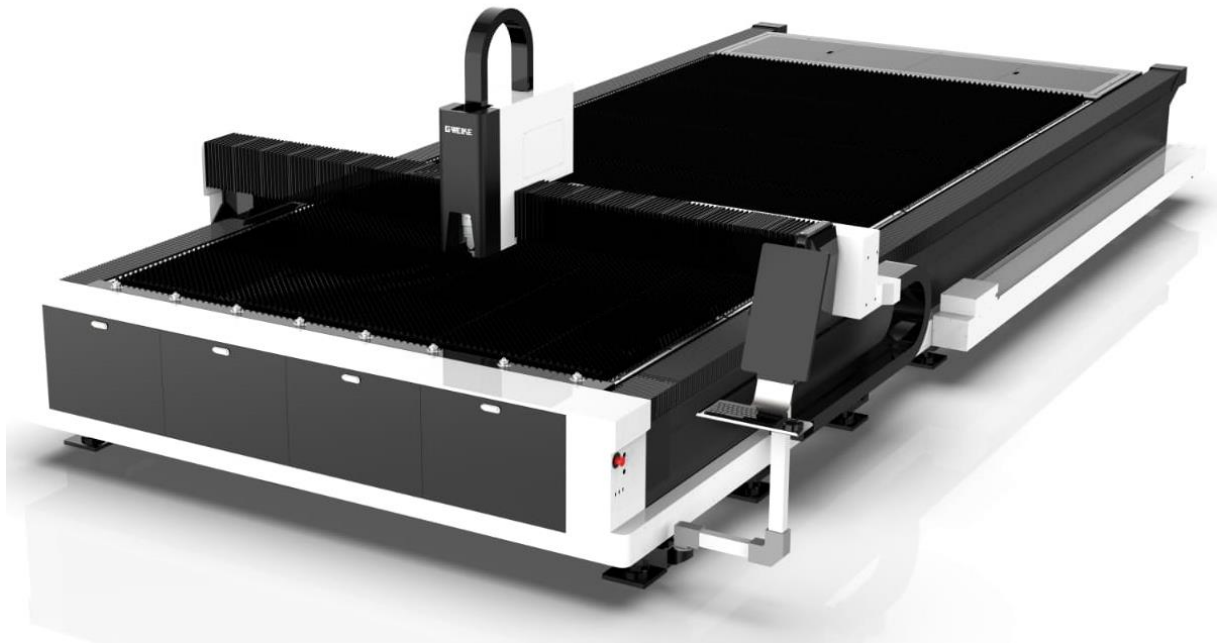
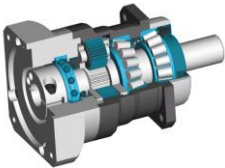


**FIBER LASER CUTTING MACHINE
MODEL : LF6025LN-6000W RAYCUS/ MAX**

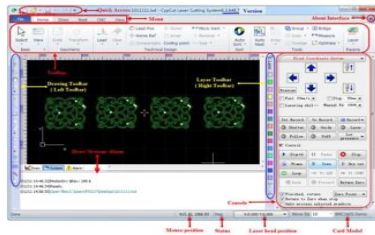


TECHNICAL CONFIGURATIONS:

COMPONENT	DESCRIPTION	BRAND/ORIGIN
 	6000W RAYCUS/ MAX LASER SOURCE	 
	BLT421 BOCI LASERHEAD	
	MOTOREDUCE REDUCER	
	INOVANCE SERVO MOTOR ON X, Y axis	
	INOVANCE SERVO DRIVER	
	GUIDE RAIL	



NAREX INDUSTRIAL MACHINERY L.L.C.



CYPCUT 4000E BUS CONTROL SYSTEM

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



HELICAL GEAR & RACK

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



SCHNEIDER ELECTRIC COMPONENTS

Highly stable Electrical Control Components.



SMC PNEUMATIC COMPONENTS

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



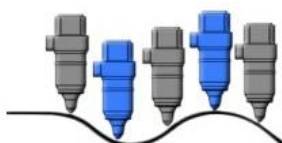
INDEPENDENT CONTROL CABINET DUST-PROOF

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



5TH GENERATION AVIATION ALUMINUM GANTRY

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



AUTO / HIGHER

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



CHOOSE WISELY

P. O. Box No.: 23097, Sharjah, U.A.E | Main Office Tel. No. +971-6-5338277, Fax No. : +971-6 -5332868
Branch Tel No.: +971 6-5439350, | E-mail: narex@emirates.net.ae; narexind@eim.ae; www.narexuae.com



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



WORKING TABLE

The Table is made by hard steel. Highly precise CNC milled to best cutting accuracy.

G·WEIKE
LASER 金威刻
G-WEIKE



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

HanLi



FUME EXTRACTOR

To properly exhaust fumes and smoke from the laser cutting process

G·WEIKE
LASER 金威刻
G-WEIKE



VOLTAGE STABILIZER

Voltage deviation
380V +-10%

G·WEIKE
LASER 金威刻
G-WEIKE



SEGMENTED RECTANGULAR TUBE WELDED BED

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

G·WEIKE
LASER 金威刻
G-WEIKE

6000W CUTTING THICKNESS CHART :

MATERIAL	THICKNESS
CARBON STEEL	: 25 mm
STAINLESS STEEL	: 16 mm
ALUMINUM	: 16 mm
BRASS	: 10 mm
COPPER	: 6 mm

6000W CUTTING SPEED CHART

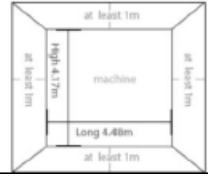
Material	Thickness	Assisted Gas	(M/MIN) Max Speed
CARBON STEEL	0.5	Nitrogen	80.0-100.0
	1.0		35.0-48.0
	2.0	Oxygen	6.0-7.5
	3.0		4.0-5.0
	4.0		3.5-4.5
	5.0		3.0-3.8
	6.0		2.6-3.2
	8.0		2.0-2.5
	10.0		1.8-2.1
	12.0		1.6-1.9
	14.0		0.8-1.1
	16.0		0.7-0.9
	20.0		0.65-0.85
	25.0		0.4-0.6
STAINLESS STEEL	0.5	Nitrogen	80.0-100.0
	1.0		50.0-65.0
	2.0		30.0-40.0
	3.0		18.0-22.0
	4.0		10.0-14.0
	5.0		8.0-12.0
	6.0		6.0-8.0
	8.0		4.0-5.0
	10.0		1.8-2.5
	12.0		1.2-1.5
	16.0		0.6-0.8

BRASS	1.0	Nitrogen	45.0-55.0
	2.0		25.0-30.0
	3.0		12.0-18.0
	4.0		8.0-10.0
	5.0		6.0-7.0
	6.0		3.5-4.5
	8.0		1.6-2.2
	10.0		0.8-1.2
COPPER	1.0	Oxygen	30.0-40.0
	2.0		9.0-11.0
	3.0		3.0-4.0
	4.0		1.2-2.0
	6.0		0.8-1.3
	8.0		0.6-1.0
ALUMINUM	1.0	Nitrogen	55.0-60.0
	2.0		25.0-35.0
	3.0		13.0-18.0
	4.0		10.2-12.0
	5.0		5.0-8.0
	6.0		4.0-6.0
	8.0		2.0-3.0
	10.0		1.0-2.1
	12.0		0.8-1.4
	16.0		0.6-0.9

RELATED PARAMETERS :

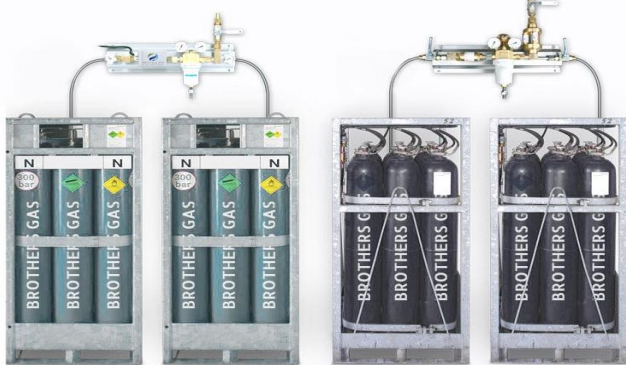
X axis travel	: 2000mm
Y axis travel	: 6000mm
Z axis travel	: 100mm
X, Y, U axis positioning accuracy	: ±0.03mm
X, Y, axis repeat positioning accuracy	: ±0.02mm
X, Y axis max moving speed	: 160 m/min
X, Y axis max acceleration	: 1.0G
X axis Motor Power	: 850w
Y axis Motor Power	: 1800w
Z axis Motor Power	: 400w
Working platform load	: 2,500 kg.
Lubrication	: Automatic Oiling
Laser Power	: 6000W
Specified voltage and frequency	: 380V/50Hz/60Hz/60A
Machine size (mm)	: 7800 x 2800 x 1900mm
Weight	: 5,000 kg.
Brand New	: China

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.	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.	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.	PIONEERAIR

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 TESTING & EVALUATION:

From the mechanical debugging aspects, our machine precision is better than other suppliers for:

- Using the following instruments to test the mechanical precisions, including:
- Collimation degree test
- Straightness accuracy test
- Parallelism test
- Mable measuring scale and dial indicator
- Laser interferometer instrument
- Gantry Milling Machine to guarantee machine cutting accuracy

INDUSTRY APPLICATION:

LF6020LN Fiber Laser Cutting Machine as one classic model, widely used in life, such as processing of stainless-steel kitchenware, storage cabinet and other cabinets, is closely related to people's daily life. Used for cutting a variety of metal plates, mainly used in stainless steel, carbon steel, galvanized sheet, electrolytic plate, brass, aluminum, various alloy plate, rare metal and other metal materials.

