

HSG HOT-SALE MODEL

40HQ STANDARD CONTAINER TRANSPORT



G3015X

Double Exchange Platforms Laser Cutting Machine

Technical Parameter	GX	
Processing Format (L*W)	3048*1524mm	6048*1524mm
Power	2000-6000W	2000-6000W
X/Y-axis Positioning Accuracy	±0.03mm/m	±0.05mm/m
X/Y-axis Repositioning Accuracy	±0.03mm	±0.05mm
Max. Acceleration	1.5G	1.2G
Max. No-load Speed	140m/min	140m/min
Max. Loading Weight	900kg	1400kg
Overseas Transport	One 40HQ Standard Container	One 40HQ Standard Container
Overall Dimensions (L*W*H)	8900*2260*2200mm	12500*2260*2200mm



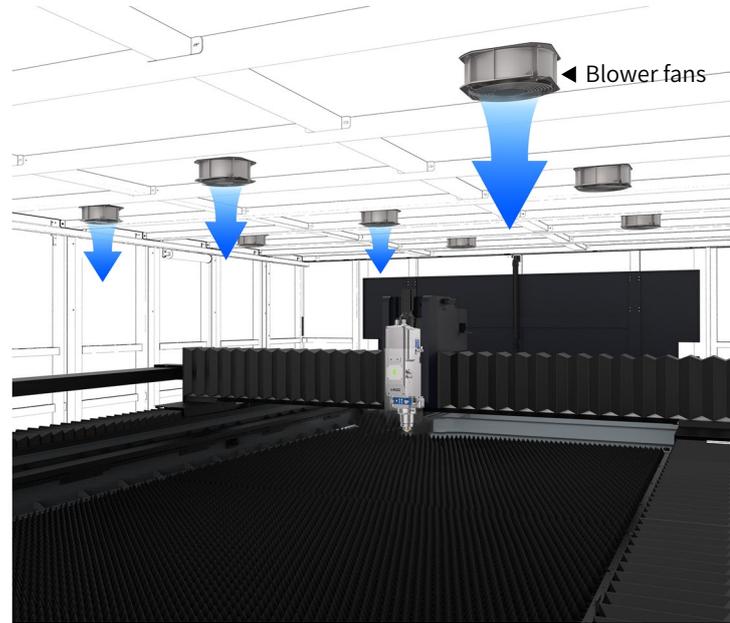
 Take 2 days to install	 Make shipment within 7-15 days	 20-year machine bed	S _{td} One 40HQ standard container	 3000+ global users
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KEY CONFIGURATIONS

	GX
CNC Control System	Alpha T bus CNC system
Speed Reducer	German WITTENSTEIN Alpha
Racks	German WITTENSTEIN Alpha
Nitrogen Proportional Valve	Standard
Laser-proof Glass	
Zoning Ventilation System	
Positive-pressure Blowing on Top Cover	
Pneumatic Door for Exchange Platforms	
Safety Light Curtain	Optional
CCD Monitoring Camera	



Top cover ▼



ZONING VENTILATION SYSTEM



Almost smoke-free



Low noise



Pollution-free



Long-life components

Positive-pressure air to the cutting area for better air blowing effect.



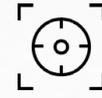


Military-level anti-burning
manganese steel plate

Keep high precision for 20+ years



More solid in
structure



Highly precise and
stable for 20+ years



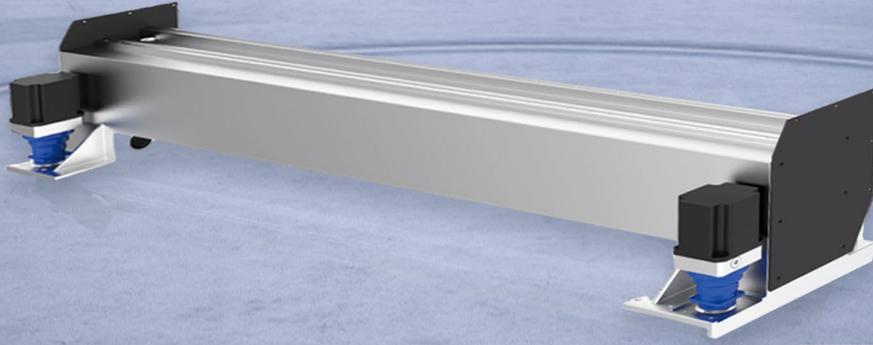
Much safer in
cutting



Keep operators
safe

HIGH-QUALITY CARBON STEEL WELDED MACHINE BED

- Cover with military-level anti-burning manganese steel
- 20 years using without deformation
- Lessen the area heated by laser



- Lighter in weight
- More solid in structure
- Uniform textures
- Higher in strength

THE LATEST GENERATION OF EXTRUDED AVIATION ALUMINUM BEAM

- 📦 Adopt 6 series aviation aluminum alloy
- 📦 Keep up with aerospacecraft design standards
- 📦 Keep high precision for 20+ years



- ⇒ **99.95%+** laser transmittance,
- ⇒ **0.05%-** power loss,
- ⇒ **3** protective lens

HIGH-PRECISION LASER CUTTING HEAD



Autofocus accuracy
 $\pm 0.01\text{mm}$



Active obstacle
avoidance



Autoalarm if
abnormal



Simple to maintain



Cut thin and thick
sheets in batch stably

* Special monitoring sensor for cutting head

* Keep away from barrier or obstacle automatically during cutting

* Easy to cut with mirror-like surface

ALPHA T BUS CNC SYSTEM



Flexible/batch processing special for thick sheets



Ultra-high-speed scanning & cutting with micro-connection



Active obstacle avoidance



Real-time monitoring of core components

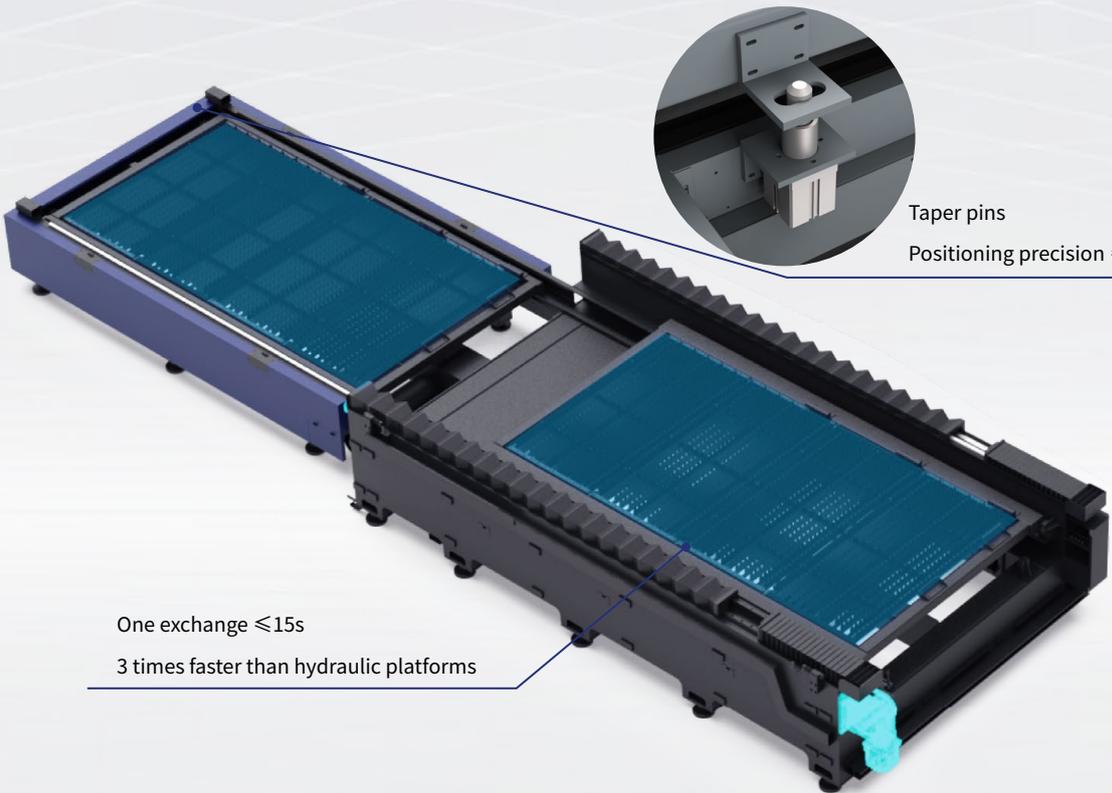


Built-in nesting software



- ☞ Data transmission only via a network cable
- ☞ Easy to operate even by green hands
- ☞ Graphical programming interface
- ☞ Match with 2000+ process data
- ☞ Compatible with DXF, DWG, PLT, NC code, etc.
- ☞ Improve stock layout and material utilization by 20% and 9.5%





Taper pins
Positioning precision $\leq 0.5\text{mm}$

One exchange $\leq 15\text{s}$
3 times faster than hydraulic platforms

DOUBLE EXCHANGE PLATFORMS

TAPER PINS POSITIONING



Quality above industry
criteria



Visible exchange process

- 16A wide chains for more stable cutting
- High-precision CNC system, protecting the machine and operators well



MIRROR-LIKE SURFACE CUTTING

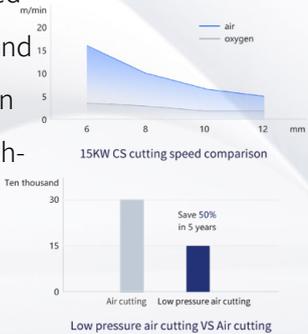
- * Cutting section as smooth as a mirror
- * Smaller degree of taper $\leq 0.18^\circ$
- * High cutting precision
- * Save energy and costs
- * With no need for secondary polishing

Tips: It is only applicable to carbon steel cutting by oxygen.



LOW-PRESSURE AIR CUTTING

- * Triple cutting speed
- * Halve total costs and energy consumption
- * Require little polishing due to less adhering slags



Tips: It is suitable for all 6kW+ machines.

PROFITABLE COOL TECHNOLOGIES FOR YOU



LIGHTNING-FAST PIERCING

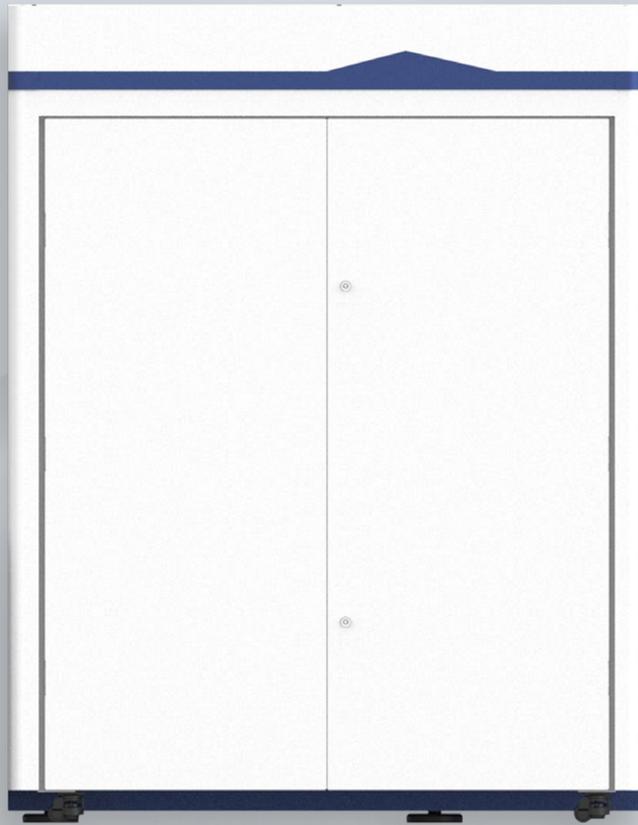
- * Piercing at millisecond level
- * Piercing with high precision
- * Negligible popping rate
- * Clean and slagless



INTELLIGENT CUTTING PATH PLANNING

- * Improve cutting efficiency by 30%
- * Huge reduction in costs
- * Free cutting section from thermal deformation

FULL-PROTECTIVE STRUCTURE WITH INDEPENDENT ELECTRIC CABINET

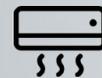


CE

EU CE certification



Standard wiring



Air conditioner for heat dissipation

- 📏 Separate weak current from strong current
- 📏 Air conditioner to remove short circuit, overload and ignition

FAMOUS-BRAND COMPONENTS



German WITTENSTEIN Alpha Speed Reducer (Incl. Racks)

- * World's top brand
- * Keep high precision for 10 years
- * Low running noise
- * High precision

High-performance Servo Motor

- * High revolving speed
- * Large output torque
- * Low electricity costs
- * Dynamic following error $< 0.01\text{mm}$
- * Round hole outline error $\leq 0.05\text{mm}$





HSG LASER

Intelligent Manufacturing Changes Future

HI-TECH ENTERPRISE IN CHINA

HSG Laser, founded in 2006 as a hi-tech enterprise focusing on R&D, production and sales of laser equipment, is dedicated to serve global customers with intelligent metal forming solutions.



33 patents for
invention



316 patents
in total

SERVE 100+ COUNTRIES AND REGIONS



4

Standardized manufacturing bases in China

80000m² +

Total area of production factories

5000+

Annual productivity

3000+

Global sales in 2020

1500+

Employees

170+

R&D personnel

10

Branches/subsidiaries/
sub-subsidiaries

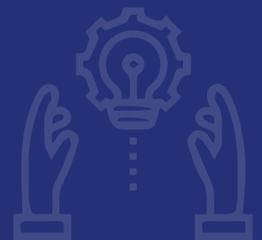
30+

Service outlets overseas

R&D

ACHIEVEMENTS

- * 3D five-axis bevel cutting technology
- * P30 ultra-high-power intelligent laser cutting head
- * Intelligent digital four chucks
- * Alpha T bus system
- * HSG-XMT multi-touch operating system



MACHINES AVAILABLE FOR SALE

-  Sheet metal laser cutting machines
-  Sheet & tube laser cutting machines
-  Tube metal laser cutting machines
-  Bending machines
-  Welding machine
-  Automation devices



STRICT IN QUALITY CONTROL FLOW

IN PURSUIT OF
QUALITY
EXCELLENCE



STEP1
COLORIMETER



STEP2
FILM THICKNESS GAUGE



STEP5
COLLIMATOR
(beam)



STEP4
HARDNESS TESTER



STEP3
2D CATHETOMETER



STEP6
COLLIMATOR
(bed)



STEP7
INTERFEROMETER

PROFESSIONAL AFTER-SALES SERVICE



One-year Warranty

All unit components are warranted for 1-year, except items listed in the Exclusions section below. Our after-sales engineer or local agent will supply new or remanufactured component of equal or better quality to replace the failed one.

Exclusions

Unit components subjected to normal wear during the Warranty Period are not covered by warranty, including:

1. Nozzle
2. Protective lens
3. Ceramic ring

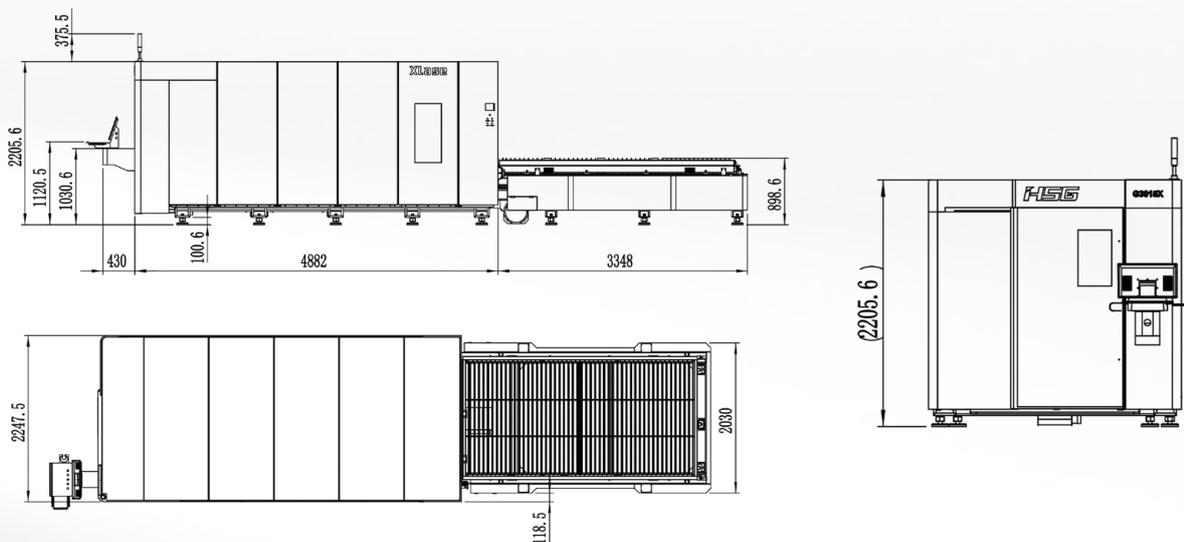
Machine breakdown caused by part handling/misuse or corrosion due to exposure to caustic materials, voids the warranty.

Component failure caused by customer misuse/abuse of the unit (e.g. using incompatible materials or wrong axial position settings), voids the warranty.

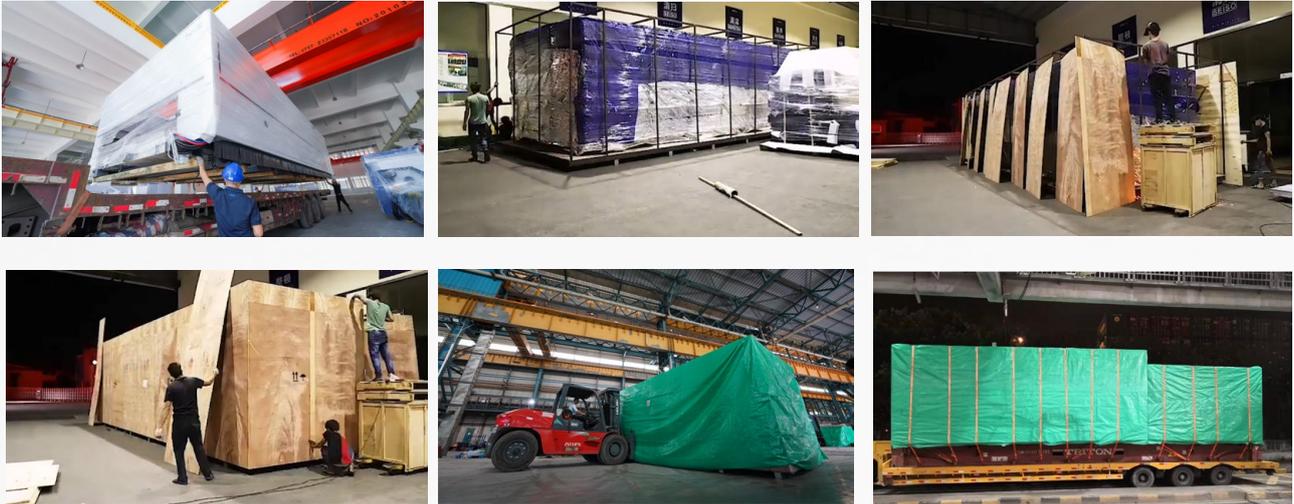
CUTTING SAMPLES



MACHINE DIMENSION



SHIPMENT DIAGRAM



CUSTOMER TESTIMONIALS



Version No.:2021.12

The actual machines shall prevail and above data & pictures are only for reference.