



Company vision

To be leading welding and cutting solutions provider

Company information

Shanghai Hugong Electric Group Co., Ltd

Shanghai Hugong, as the largest welding and cutting manufacturer in China, founded over 60 years of experience in welding and cutting. Publicly listed on main board of Shanghai Exchanging stock, it becomes to be the biggest market value company in its field.

Shanghai hugong master the core technology and Hugong delivers its proven, reliable and innovative products globally via 100 countries. Hugong is the NO.1 exporter in China since 2013 till now.

As largest welding and cutting manufacturer, HUGONG offers high quality equipment that services the complete spectrum of welding and cutting needs from DIY to heavy industrial use. It includes 18 series and 2037 SKU.

With Shanghai Hugong' fully comprehensive range of products and strength in digital inverter technology and automation systems, their solutions are widely used in a variety of industries including automotive, offshore, power stations, shipbuilding, the military, pipeline, steel construction, bridge building, pressure vessel production, and general industrial fabrication.

Shanghai Hugong strives to provide its global consumers with advanced, high quality and competitive "Total Welding and Cutting Solutions".





Sales network

NO.1 welding machine exporter in china The 1st chinese cutting machine producer which founded in 1958

Cover hundreds of countries
Thousands of distributors worldwide
Millions of machines at service

In order to provide customers with a prompt and professional responses, and to ensure high quality service, Shanghai Hugong has built an extensive and integrated service network throughout China and worldwide. We constantly train customer service representatives and engineers, and have implemented systems to oversee the whole process from a request for a repair, though customer review and finally to complaint settlement.

Quality & Standard

ISO9001/ISO14001/ OHSAS 18001

Developed according to international standards, Shanghai Hugong is fully equipped with the most up to date precision manufacturing equipment with flexible automatic lines, it is managed in accordance with lean production systems, 5S and KAIZAN with an advanced ERP system controlling the whole process, as a result Shanghai Hugong has attained ISO9001:2008, ISO14001:2008 and OHSAS 18000:2007 approval.



As the leading manufacturer of welding and cutting machines in China, Shanghai Hugong is at the forefront of the development and definition of the national standards for limited load manual TIG power sources and the EMC norms for all welding and cutting products that are approved by **CCC, CE, GS, ROHS, SAA, REACH, CSA**.



Events

Model CG1-60, the first Direct line Gas Cutter in China, came into being in 1958.



Semi-auto Gas Cutter CG1-30 developed by us in 1964.



The Steel pipe Pile Oxyacetylene Inner Gas Cutter CG2-60 initiated in 1979 (awarded the 2nd Prize by Shanghai Government).

The First CNC-4a CNC Cutting Machine in China initiated in 1984 (Won the first prize for excellent new products in Shanghai, while awarded the second prize for technological innovation by the National Machinery Commission).



The first High Power Steel Preheating Equipment of GYR series initiated in 2000 (patented product).



CNC Flame&Plasma cutting Machine CNC-6000 produced in 1987 (won the first prize for new products in Shanghai).



The First Square Tube CNC Cutting machine developed and innovated in 2011.

The First CNC series large Pipe CNC Cutting machine developed and innovated in 2012.

The First Multi function CNC Cutting machine developed and innovated in 2014.

The First Robot system for H beam production line developed and innovated in 2009.




Application

With Shanghai Hugong' fully comprehensive range of products and strength in digital inverter technology and automation systems, their solutions are widely used in a variety of Industries including automotive, offshore, power stations, shipbuilding, the military, pipeline, steel construction, bridge building, pressure vessel production, and general industrial fabrication.



■ FIBER LASER CUTTING MACHINE

- 
- HGLB3015 FIBER LASER
 - HGLA4020 FIBER LASER
 - HGLA6020 FIBER LASER
 - PLATE-PIPE COMPLEX

HGLB3015Q FIBER LASER



- Benefits:

- Higher reliability achieved from table structure
- Higher accuracy than plasma cutting
- Higher speed than Punching process
- Easy operation, friendly interface
- Lower power consumption than CO2 laser
- Low cost for after-cutting process, almost 0.
- Lower noise and less dust
- Lower danger to workers
- Options for inventory and job report



HGLB3015E FIBER LASER



- Specification

Model	HGLB3015Q	HGLB3015E
Process area(L*W,mm)	1500*3000	1500*3000
Input power(V)	3P, 220/380/400/415	3P, 220V/380V/400V/415V
Positioning accuracy(mm)	0.05	0.05
Repeating accuracy(mm)	0.03	0.03
Max transvers speed(m/min)	80	80
Acceleration(G)	0.8	0.8
Controller interface	Windows 7	Windows 7
Monitor	17"	17"
CNC system	Friendess/CYPUT	Friendess/CYPUT
Laser unit	IPG, Raycus, N-light	IPG, Raycus, N-light
Loading weight(kg)	560	560
M.S gas	O2	O2
S.S gas	N2	N2
Overall size(mm)	10000*3100*2200	4500*2400*2100
Total weight(kg)	5600	4000

HGLA4020Q FIBER LASER



Benefits

- Higher reliability achieved from table structure
- Higher accuracy than plasma cutting
- Higher speed than Punching process
- Easy operation, friendly interface
- Lower power consumption than CO2 laser
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- Lower noise and less dust
- Lower danger to workers
- Options for inventory and job report



HGLA4020E FIBER LASER



Specification

Model	HGLA4020Q	HGLA-4020E
Process area(L*W,mm)	2000x4000	1500x3000
Input power(V)	3P, 220/380/400/415	3P, 220/380/400/415
Positioning accuracy(mm)	0.05	0.05
Repeating accuracy(mm)	0.03	0.03
Max transvers speed(m/min)	80	80
Acceleration(G)	0.8	0.8
Controller interface	Windows 7	Windows 7
Monitor	17"	17"
CNC system	Friendess/CYPCUT	Friendess/CYPCUT
Laser unit	IPG, Raycus, N-light	IPG, Raycus, N-light
Loading weight(kg)	1000	560
M.S gas	O2	O2
S.S gas	N2	N2
Overall size(mm)	12000*4530*2200	5900*3200*2100
Total weight(kg)	6800	4000

HGLA6020Q FIBER LASER



Benefits

- Higher reliability achieved from table structure
- Higher accuracy than plasma cutting
- Higher speed than Punching process
- Easy operation, friendly interface
- Lower power consumption than CO2 laser
- Low cost for after-cutting process, almost 0.
- Lower noise and less dust
- Lower danger to workers
- Options for inventory and job report



HGLA6020E FIBER LASER



Specification

Model	HGLA6020Q	HGLA-6020E
Process area(L*W,mm)	2000x6000	1500x6000
Input power(V)	3P, 220/380/400/415	3P, 220/380/400/415
Positioning accuracy(mm)	0.05	0.05
Repeating accuracy(mm)	0.03	0.03
Max transvers speed(m/min)	80	80
Acceleration(G)	0.8	0.8
Controller interface	Windows 7	Windows 7
Monitor	17"	17"
CNC system	Friendess/CYPCUT	Friendess/CYPCUT
Laser unit	IPG, Raycus, N-light	IPG, Raycus, N-light
Loading weight(kg)	1500	1120
M.S gas	O2	O2
S.S gas	N2	N2
Overall size(mm)	16100*4530*2200	7900*3200*2100
Total weight(kg)	9800	5500

Plate-pipe complex



Benefits

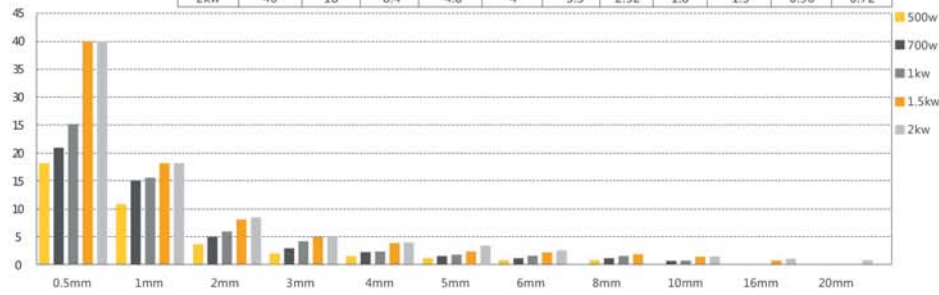
- Higher reliability achieved from table structure
- Higher accuracy than plasma cutting
- Higher speed than Punching process
- Easy operation, friendly interface
- Lower power consumption than CO2 laser
- Low cost for after-cutting process, almost 0.
- Lower noise and less dust
- Lower danger to workers
- Options for inventory and job report

Specification

Model	HGLB3015E	HGLB6015E
Process area(L*W,mm)	1500*3000	1500*6000
Pipe size(mm)	φ40-250	φ40-250
Tube size	40-175	40-175
Input power(V)	3P, 220/380/400/415	3P, 220/380/400/415
Positioning accuracy(mm)	0.05	0.05
Repeating accuracy(mm)	0.03	0.03
Max transvers speed(m/min)	80	80
Acceleration(G)	0.8	0.8
Controller interface	Windows 7	Windows 7
Monitor	17"	17"
CNC system	Friendess/CYPCUT	Friendess/CYPCUT
Laser unit	IPG, Raycus, N-light	IPG, Raycus, N-light
Loading weight(kg)	560	1120
M.S gas	O2	O2
S.S gas	N2	N2
Overall size(mm)	4500*3200*1800	7500*3200*1800
Total weight(kg)	4000	5500

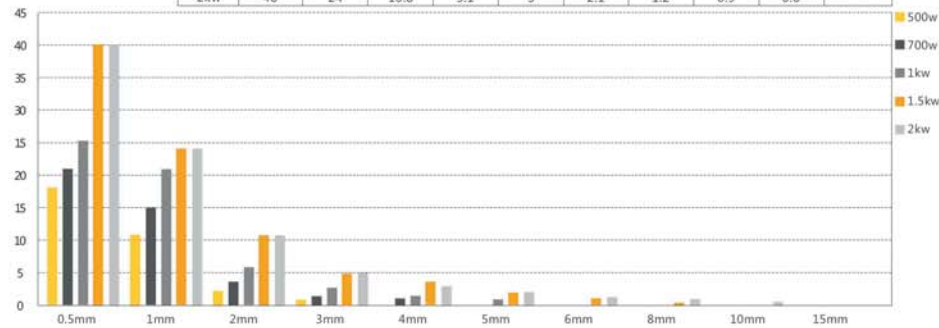
● MS: cutting speed

	0.5mm	1mm	2mm	3mm	4mm	5mm	6mm	8mm	10mm	16mm	20mm
500w	18	10.8	3.6	2.1	1.5	1.08	0.72				
700w	21	15	4.8	3	2.1	1.44	1.08	0.78	0.6		
1kw	25.2	15.6	6	4.2	2.4	1.8	1.56	1.08	0.72		
1.5kw	40	18	8	4.8	3.8	2.4	2.1	1.65	1.35	0.72	
2kw	40	18	8.4	4.8	4	3.3	2.52	1.8	1.5	0.96	0.72



● SS: cutting speed

	0.5mm	1mm	2mm	3mm	4mm	5mm	6mm	8mm	10mm	15mm
500w	18	10.8	2.1	0.96						
700w	21	15	3.6	1.5	1.08					
1kw	25.2	21	6	2.7	1.5	0.9				
1.5kw	40	24	10.8	5	3.6	2	1	0.4		
2kw	40	24	10.8	5.1	3	2.1	1.2	0.9	0.6	



● Fiber laser unit



IPG YLS series fiber laser



IPG YLR series fiber laser



Raycus fiber laser

● Cutting head



RAYTOOLS BT240



RAYTOOLS BM110



Precitec Procutter

Consumables



Collimator



Focusing lens



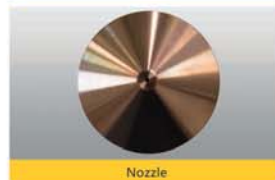
Protection lens



Ceramic ring



Seal ring



Nozzle

Auxiliary device



Chiller



UPS(Uninterruptible Power System)



Dust extractor



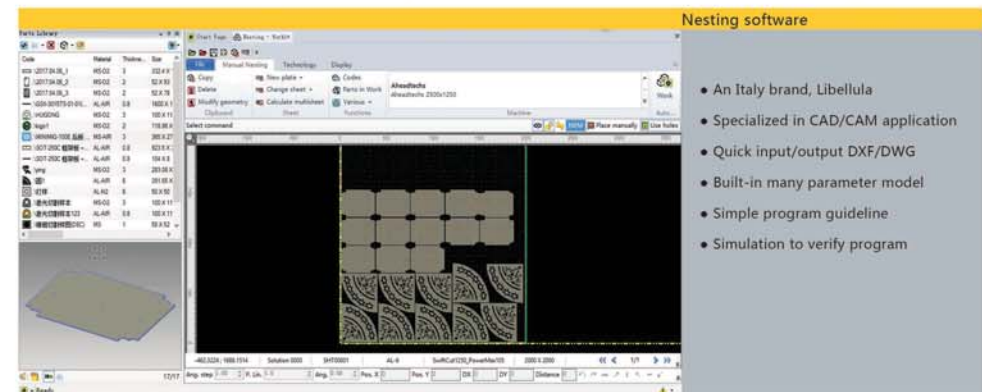
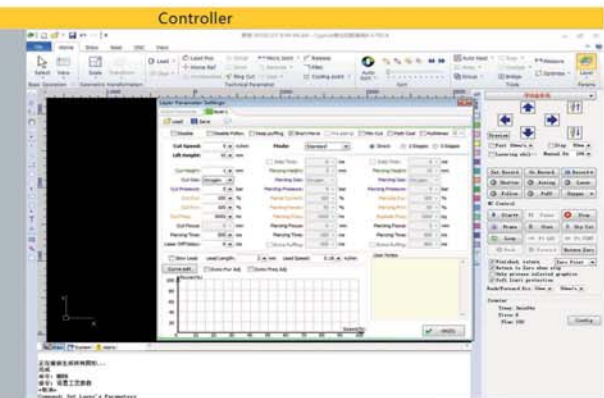
Automatic lubricator



Voltage regulator

CNC

- Professional CNC for fiber laser
- Integrated, reliable, functional and smart
- Economic and functional, easy operation and learn
- Rich cutting parameters
- English and Chinese windows interfaces
- Smart interfaces
- Various parameter sets for various requests



Nesting software

- An Italy brand, Libellula
- Specialized in CAD/CAM application
- Quick input/output DXF/DWG
- Built-in many parameter model
- Simple program guideline
- Simulation to verify program



Brand

Quality

Service



Shanghai Hugong is driven by consistent attention to technical innovation, market orientation, management improvement and employee development, with a determined focus on providing best in class value and enhancing customer experience, whilst at the same time, fulfilling its social and ethical responsibilities in full. Shanghai Hugong strives to provide its global consumers with advanced, high quality and competitive "Total Welding and Cutting Solutions" .



**Looking
to the future**