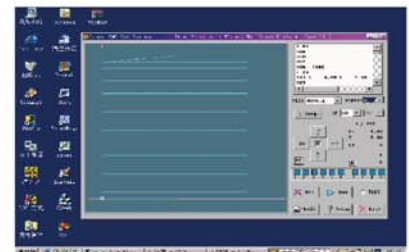
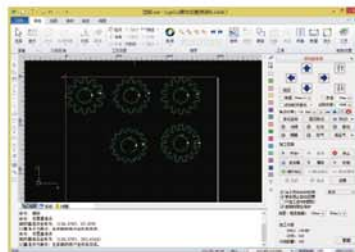
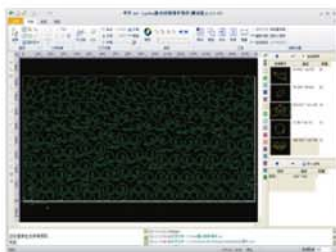




## Description

- Hugong Laser cutting solution is based on long time cutting background
- Hugong Flame and Plasma experience contributes a lot to laser solutions
- This is combination of laser technology and Hugong integration capacity
- Heavy structure ensures machine to achieve high speed and high precision
- Machine bed is fully stress released for long time durability and stability
- Beam is casting structure
- All components are world famous brands and approved by Hugong serious inspection
- Quick transvers speed and cutting speed improves efficiency
- Automatic rough and fine adjustment on torch height
- Widely used in Machinery,oil&gas,pipe,Aerospace,Automobile,furniture,kitchen supplies,sanitary ware, Ect
- Laser power source can be Raycus and IPG brand.

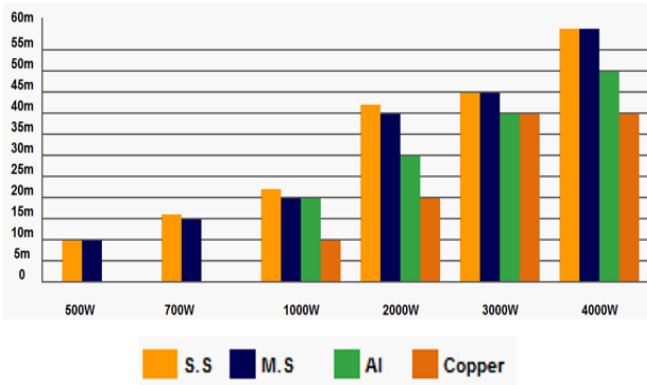


#### Laser cutting thickness

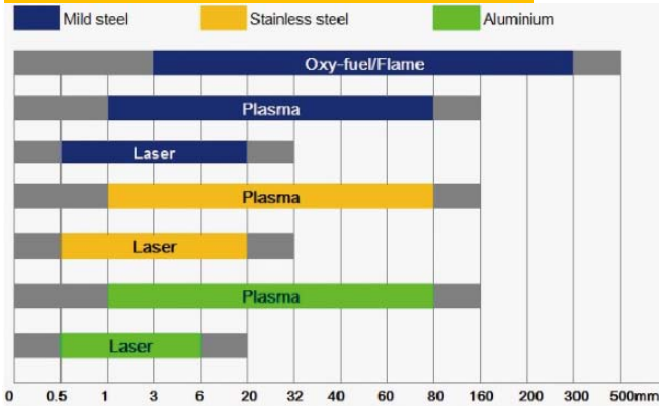
Laser	S.S(mm)	M.S(mm)	Al(mm)	Brass	Red copper
500W	0.5-3	0.5-6	N/A	N/A	N/A
700W	0.5-4	0.5-8	N/A	N/A	N/A
1KW	0.5-6	0.5-10	0.5-3	0.5-2	0.5-2
2KW	0.5-10	0.5-16	0.5-10	0.5-5	0.5-4
3KW	0.5-12	0.5-20	0.5-12	0.5-8	0.5-6
4KW	0.5-15	0.5-20	0.5-14	0.5-8	0.5-6

- Thickness mentioned are for good quality cutting
- Bigger thickness than mentioned is discouraged
- Al,brass and red copper are discouraged

#### Cutting speed: 0.5mm thickness



#### Cutting ability comparison



Cutting speed comparison between Plasma and Oxy-fuel  
Cutting speed: mm/min

#### Machine key parameters

Items	Specification
Model	HGL3015
Input power	3phase, 220V,380V (Customised voltage is available)
Effective cutting width(mm)	1500
Effective cutting length(mm)	3000
Overall machine size(mm)	4400*2260mm
Overall size with cover(mm)	5145*3020*2040mm
Exchanging pallet size(mm)	4190*2135*890mm
Positioning accuracy	0.05mm
Repeating accuracy	0.03mm
Max transvers speed	80m/min
Acceleration	0.8G
Controller interface	Windows XP
Monitor	17"
M.S gas	O2
S.S gas	N2
Gross weight of CNC	3500Kg (without cover and exchanger)

#### 500W Cutting Parameters

Material	Thickness (mm)	Speed (mm/s)	Gas
Stainless Steel	0.5	>300	N2
	1	140~200	N2
	2	30~40	N2
	3	14~20	N2
Carbon Steel	1	140~200	O2
	2	50~60	O2
	3	25~35	O2
	4	20~25	O2
	5	15~20	O2
	6	12~16	O2

#### 700W / 750W Cutting Parameters

Material	Thickness (mm)	Speed (mm/s)	Gas
Stainless Steel	0.5	>350	N2
	1	200~300	N2
	2	60~70	N2
	3	20~30	N2
	4	13~20	N2
Carbon Steel	1	200~300	O2
	2	70~90	O2
	3	50~65	O2
	4	30~40	O2
	5	20~30	O2
	6	15~20	O2
	8	12~14	O2
	10	10	O2

#### 1000W / 1200W Cutting Parameters

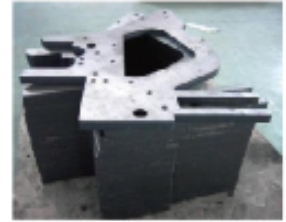
Material	Thickness(mm)	Speed(mm/s)	Gas
Stainless Steel	0.5	>400	N2
	1	280~350	N2
	2	90~120	N2
	3	35~50	N2
	4	15~25	N2
Carbon Steel	5	10~15	N2
	1	250~300	O2
	2	85~100	O2
	3	58~70	O2
	4	38~45	O2
	5	28~35	O2
	6	20~30	O2
	8	15~18	O2
	10	10~12	O2

#### 2KW Cutting Parameters

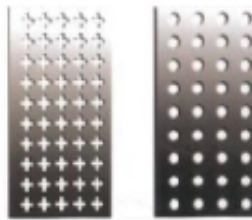
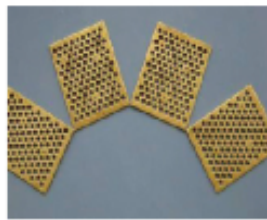
Material	Thickness(mm)	Speed(mm/s)	Gas
Stainless Steel	0.5	>500	N2
	1	400~450	N2
	2	150~180	N2
	3	85~100	N2
	4	50~60	N2
	5	25~35	N2
Carbon Steel	6	15~20	N2
	8	9~12	N2
	3	70~80	O2
	5	50~55	O2
	6	35~45	O2
	8	20~30	O2
	10	18~25	O2
	12	16~20	O2
	14	15~18	O2
	16	13~15	O2
	20	10~12	O2



**Machinery production**



**Copper and aluminium process**



**Advertisement**



**Accurate parts**



**Lamp**

