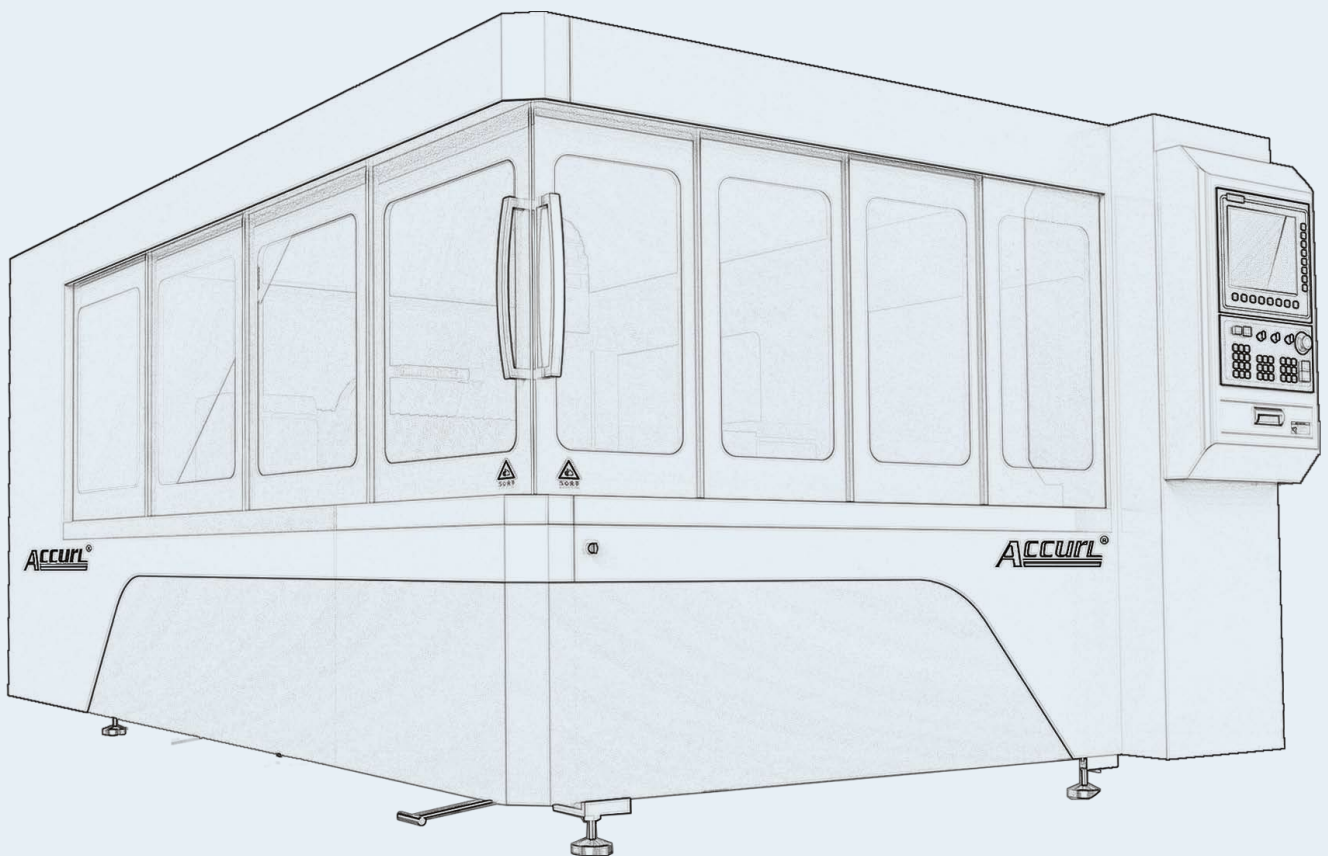


ACCURL FIBER LASER CUTTING MACHINE

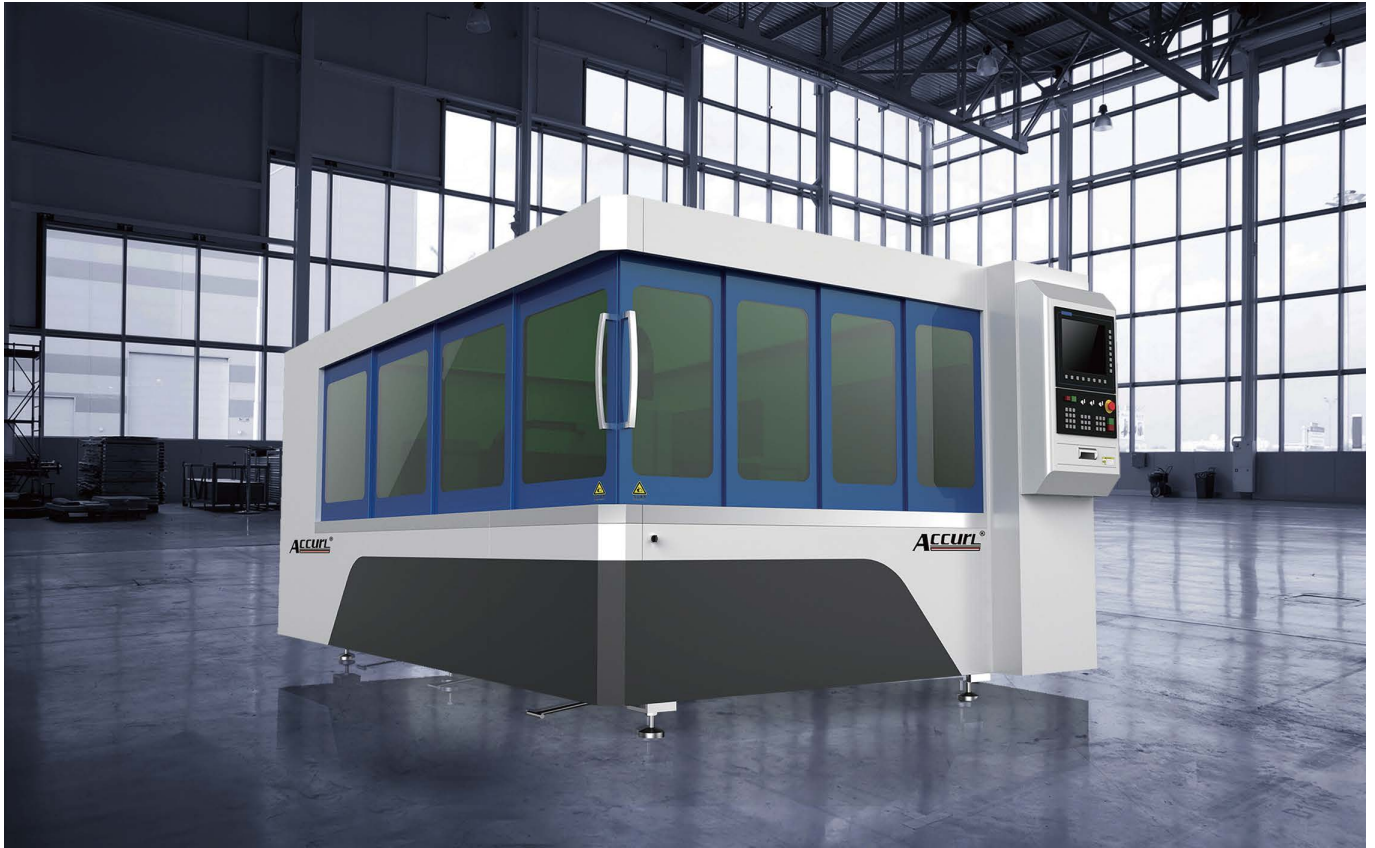
GENIUS SERIES



Shaping your future

ACCURL FIBER LASER CUTTING MACHINE GENIUS SERIES

Incredibly fast and flexible, the Genius KJG fiber laser cutting system is ideal for ultra-high speed cutting of thin sheet materials. The Genius KJG has the ability to cut a wide range of ferrous and non-ferrous metals while maintaining low cost operation.



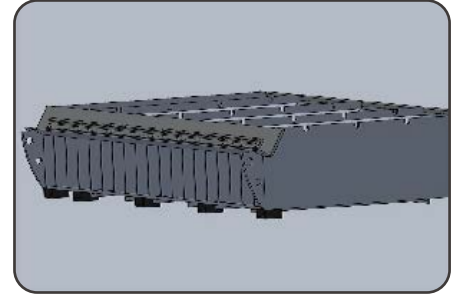
MAIN FEATURES

- Excellent cutting quality for fine thickness and medium thickness sheet metals.
- Maximum simultaneous positioning speed: 160m/min.
- Acceleration speed: 14 m/ s² (1.5G).
- Precision: + - 0.05 mm.
- Energy efficiency: greatly reduced power consumption.
- IPG Resonator. Power output from 500W to 1500w .
- RayTools cutter cutting head with power output up to 2kw.
- Precitec HP cutting head for power output of more than 2kw.
- Fully enclosed and cabined to ensure maximum operator protection.
- Effective high to low pressure gas exchange system.
- Capacitive Sensor, high pressure cutting head.
- Automatic mechanized Nesting power output control function.
- Automatic time and unit cost calculation function.
- Network connection from external.
- Smoke extraction (included in series models).
- 3 point reference sensor (sheet metal rotation detector).
- Collection of work pieces and trimmings.
- Dual proportional valve control system for different gas pressures and special system for high pressure cutting.



MACHINE BODY

Accurl laser cutting machine body using steel box welding process, twice annealing and on the large gantry CNC lathe processing

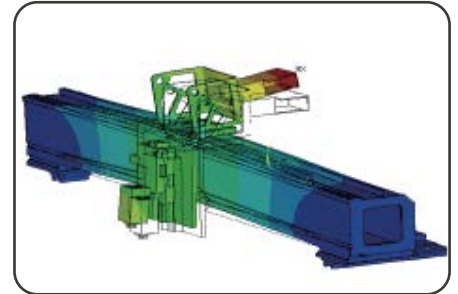


LINEAR GUIDE AND RACK

ACCURL laser cutting machine gantry structure under the dual drive, linear guide and rack pair inclined installation, the stress state is more reasonable, the movement is more stable

CAST ALIUMNUM BEAM

The cast aluminum beam, Accurl laser cutting machine with light weight, good dynamic response, faster acceleration, better comprehensive cutting effect.



SHIMPO REDUCER

Accurl laser cutting machine adopts international first-class brand transmission components, THK linear guide, YYC grinding gear rack, SHIMPO flange output precision reducer, ensure the high precision of the machine tool.

NESTING SOFTWARE

With the professional automatic typesetting software, the cutting plate availability increase 1%-5%,cutting productivity10%-30%,significantly improve the cut quality, process data management, data collection and statistics and other data management functions, visualization integrated interface, simple operation ,easy to learn.



OPTIONAL FIBER LASER POWER



USA.IPG Fiber Laser Power



China.Raycus Fiber Laser Power



USA.nLIGHT Fiber Laser Power

MATERIAL CAPACITIES

Generator model		500W	700W	1000W	2000W	3000W
Nominal power	kW	0.5	0.7	1	2	3
Power requirement	kW	4	6	7	8	12
Wavelength	nm	1074	1074	1074	1074	1074
Cutting capacity						
Carbon steel	mm	6	8	10	16	20
Stainless steel	mm	2.5	3	4	8	10
Aluminum Alloys	mm	2	2.5	3	6	8
Brass	mm	1	2	2	3	4

SPECIFICATIONS

Type		KJG 1530	KJG 1540	KJG 2040
Max Cutting Size (mm)		3000×1500	4000×1500	4000×2000
Max Height of The Workpiece (mm)		90	90	90
Effective Travel	X Axis (mm)	3050	4050	4050
	Y Axis (mm)	1550	1550	2050
	Z Axis (mm)	100	100	100
Positional Accuracy	X Axis (mm)	±0.04	±0.05	±0.05
	Y Axis (mm)	±0.04	±0.05	±0.05
	Z Axis (mm)	±0.01	±0.01	±0.01
Repeated Positioning Accuracy	X Axis (mm)	±0.03	±0.03	±0.03
	Y Axis (mm)	±0.03	±0.03	±0.03
	Z Axis (mm)	±0.005	±0.005	±0.005
Rapid Positioning Speed	X Axis (m/min)	80	80	80
	Y Axis (m/min)	80	80	80
	Z Axis (m/min)	30	30	30
Accelerated Speed (G)		1		
The Laser Power(W)		500/700/1000/1500/2000W		
Power Consumption of The Machine Tool(Kwh)		4.85	4.85	6.3
Level of Protection		IP54		
Total Weight(T)		4.35	5.45	6.25
Boundary DimensionL×W×H(mm)		4191×2520×1326	5390×2520×1326	5391×3105×1326



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