

FROM \$243,000+GST

GWK6025SL - 5-AXIS

Heavy Open Table fiber laser with Covered Gantry

Power : 6kW, 8kW, 12kW, 15kW, 20kW

Bed Size: 6000x2500mm

Laser source : MAX, Raycus or IPG



“This open table is designed for overhead gantry loading, ideal for heavy gauge steel and higher power. Paired with 5-axis laser head you will be bevel cutting, adding countersink holes and opening up the options for the best final product and welding experience.”

FEATURES:

- 6000x2500mm heavy duty open table (larger table options available)
- 5 Axis laser head standard
- Positioning accuracy 0.1mm and re-positioning accuracy 0.05mm
- Separate air-conditioned electrical cabinet
- Cypcut software - Easy to use and compatible with most files
- Automatic edge seeking, Fly cutting, Nesting etc
- BCS100 Automatic material tracking - Follows material surface allowing cutting of materials with slight bending or warping
- BOCI Precision laser head with Raytools 403 5-axis arm configuration (standard for 5-axis set up) German LT head optional - 3-axis style available on demand
- Large Portrait style monitor screen
- 8000BF Cypcut software for 5-axis cutting
- Built-in computer, screen and wireless controller
- YYC rack pinion and gear system
- French Moto Reducer gear reducer
- Yaskawa motor drive
- Heavy plate welded bed - for increased stability and lifetime
- Automatic lubrication system
- Electronic regulators for all gas connections O₂, N₂ and compressed air, allowing for fully software controlled pressure





Technical Parameters	Specification
Laser Power	6kW, 8kW, 12kW, 20kW
Bed size	6000 x 2500mm with loading table (available in 12000x1200)
Machine Size	14100*3350*2520mm
Laser source type	MAX, Raycus or IPG
Laser Head Type	BOCI BLT441 for 3-axis BOCI BLT441 for 5-axis
Cooling Type	Industrial Water Cooling – S&A water chiller
Moving Speed	80m/min
Acceleration	0.5G
Laser Output Control	0-100% set by software
Drive method	YYC Rack and pinion system, Moto Reducer gear reducer, with Yaskawa motor drive
Motor	Yaskawa
Positioning Accuracy	0.1mm/10m & 0.05mm/5m
Re-positioning accuracy	±0.05mm
Minimum line width	0.1mm
Controlling Software	8000BF (for 5 axis laser cutting head) Cypcut control system
Graphic Format Supported	Graphics files - Ai, DXF, PLT, Gerber, G code – MaterCam, Type3, Wentai etc.
Compatible Software	Illustrator, photoshop, CorelDraw, Autocad, Solidworks, MaterCam, Type3, Wentai etc.
Colour Separation	Yes (imports colours to control cutting layers)
Auxiliary Equipment	Exhaust Fan, Industrial water-cooling unit
Power Supply	Machine: 1kW = 415V 50Hz 20amp 1.5kW = 415V 50Hz 32amp 2kW = 415V 50Hz 50amp 3kW = 415V 50Hz 50amp 4kW = 415V 60Hz 60amp 6kW = 415V 63Hz 63amp 8kW = 415V 80Hz 80amp 12kW = 415V 120Hz 100amp
Gas Regulation	Software controlled electronic low- pressure O2 regulator (for fine adjustment at low pressure) and high pressure N2 and Compressed air electronic regulator (high pressure cutting)
Gas connection	O2 (mild steel and copper cutting) – 4 pack min Min 99.7% purity – 10m3/h maximum flow rate – 10bar max pressure N2 (Stainless, Aluminium, Brass and thin Mild steel cutting) – 9 pack min Min 99.9% purity – 40m3/h maximum flow rate – 24bar max pressure Compressed air (Stainless, Aluminium, Brass and thin Mild steel cutting) SEE OUR 18DHY-18Bar or 20DHY-20Bar COMPRESSOR OPTIONS
Working Environment	Temperature:0-45C, Humidity 5-95% (No Condensate Water)