



SINCE 1958 B.L.Metál Hungária Kft.
1201 Budapest, Vágóhíd u. 55.
Tel.: +36 1 283 3614
www.blm.hu, info@blm.hu

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Www.blm.hu

Welding technologies

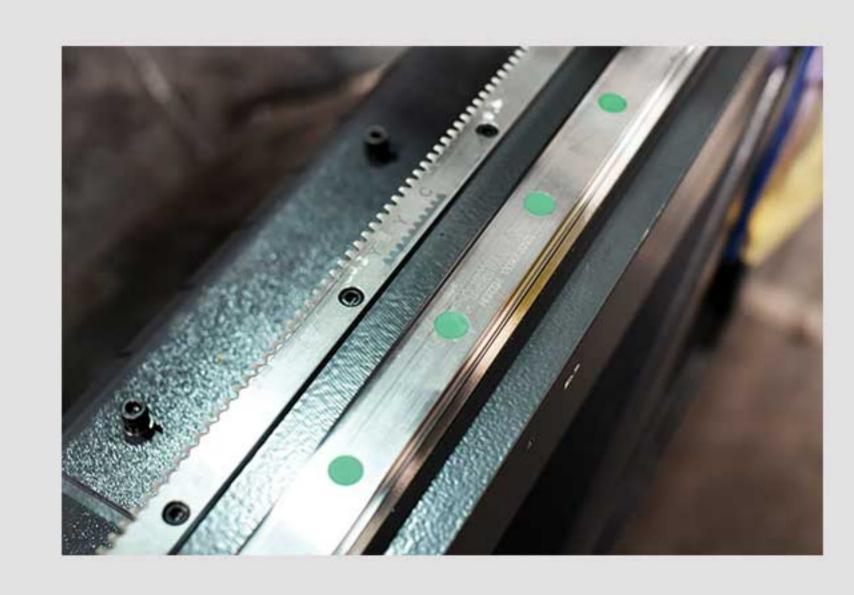
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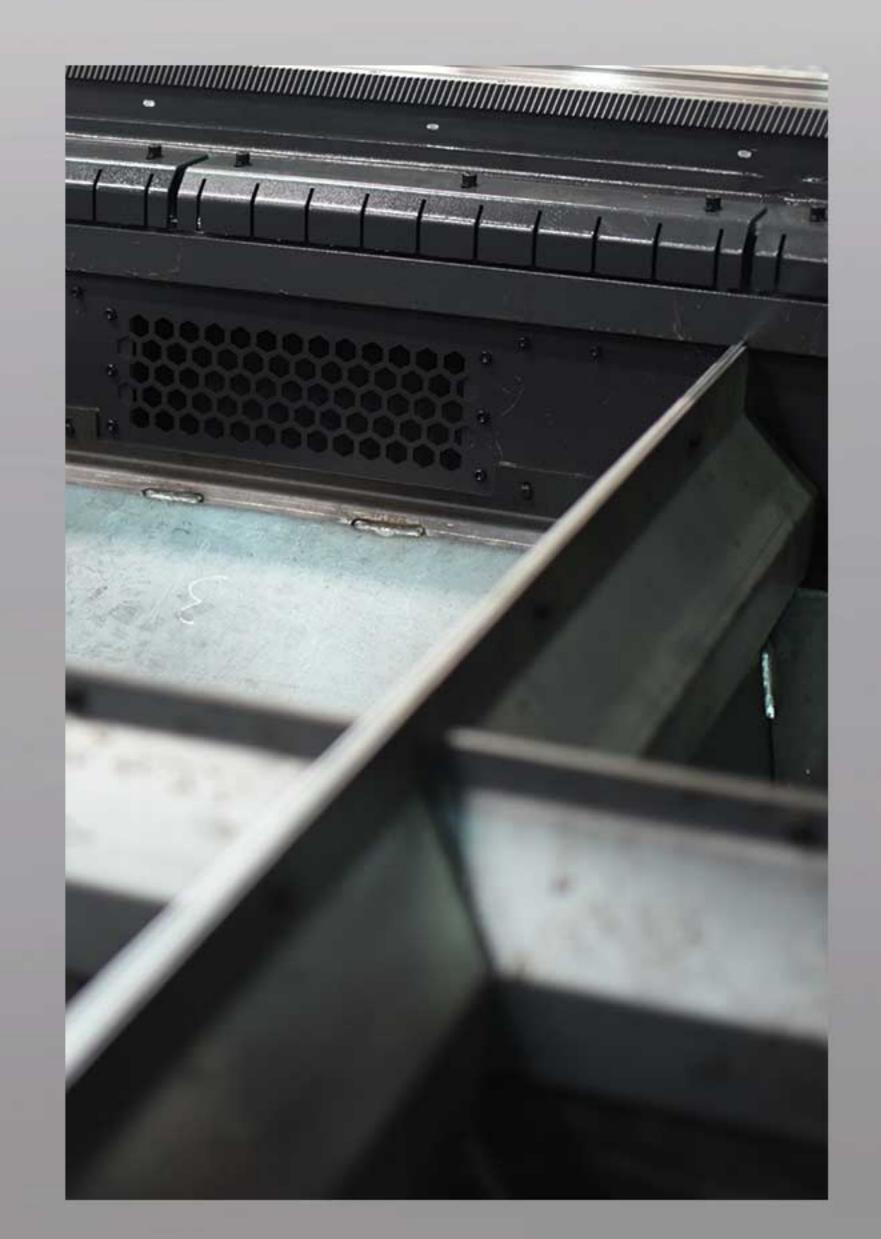
Welding technologies











INTERLASER SERIES



FIBER LASER CUTTING MACHINE

DESCRIPTION

High precision retentivity: Finite element analysis optimizes the design of high strength aluminum alloy extrusion molding beams. table is welded by steel plate, annealing stress removal treatment ensures long-term stability of precision.

High machining accuracy:The well-designed high-precision and high-rigidity transmission system makes the equipment excellent motion rigidity, Ensure accurate track of cutting under high-speed travelling

High Cutting quality:The cutting quality are continuous, reliable and smooth because of perfect process database, high beam quality laser, carefully designed cutting head optical scheme and gas system.

High cutting efficiency: Uniaxial acceleration of X/Y can be 1.2G, Uniaxial positioning speed of X/Y can be 100m\min.

Wide range of materials processing: Suitable for fast cutting of carbon steel, stainless steel, aluminum alloy, titanium alloy, galvanized board, copper and other metal materials.

Flexible product processing mode:No need for the preparation of mold and auxiliary consumables, not limited by batch and graphics, Generate graphics and cut at any time.

Friendly control system: Using FSCUT2000 system which has powerful function, simple interface and nesting function.

Exchange platform:The exchange time only needs 12 seconds which is very short and the operation is simple with horizontal exchange table.

Compact structure:Fully integrated design, short installation time makes it possible to be put into production after placing in position. Small floor area, saving workshop space.

SPECIFICATION

Model	INTELASER-3015	INTELASER-4020	INTELASER-6020
Laser power range	1000~3000W	3000~6000W	3000~6000W
Product area	3100X1550mm	4050X2020mm	6050X2020mm
	120X60in	160X80in	240X80in
Z axis distance	120mm	250mm	250mm
Max uniaxial positioning speed (X/Y)	60m/min 0.6G	80m/min	80m/min
Max uniaxial acceleration (X/Y)	1.2G	1.2G	1.2G
positioning accuracy	±0.05mm/m	±0.05m/m	±0.05m/m
repeated positioning accuracy	0.03 mm	0.03mm	0.03mm
Max uniaxial positioning speed (Z)	60m/min	60m/min	60m/min
Max loading capacity of table	700kg	1200kg	1500kg
Exchange type			
Max pressure of cuttin gas	1.6Mpa	1.6Mpa	1.6Mpa









FIBER LASER CUTTING MACHINE

DESCRIPTION

High-level safety:Fully shielded design, multiple safety circuit interlocking and cutting state induction to ensure the safety of personnel and equipment during processing. The whole machine conforms to the safety standards of Europe and America.

High precision retentivity: Finite element analysis optimizes the design of high strength aluminum alloy extrusion molding beams. table is welded by steel plate, annealing stress removal treatment ensures long-term stability of precision.

High machining accuracy:The well-designed high-precision and high-rigidity transmission system makes the equipment excellent motion rigidity, Ensure accurate track of cutting under high-speed travelling

High Cutting quality: The cutting quality are continuous, reliable and smooth because of perfect process database, high beam quality laser, carefully designed cutting head optical scheme and gas system.

High cutting efficiency:Uniaxial acceleration of X/Y can be 1.2G, Uniaxial positioning speed of X/Y can be 100m\min.

Wide range of materials processing:Suitable for fast cutting of carbon steel, stainless steel, aluminum alloy, titanium alloy, galvanized board, copper and other metal materials.

Flexible product processing mode: No need for the preparation of mold and auxiliary consumables, not limited by batch and graphics, Generate graphics and cut at any time.

Friendly control system: Using FSCUT2000 system which has powerful function, simple interface and nesting function.

Exchange platform:The exchange time only needs 12 seconds which is very short and the operation is simple with horizontal exchange table.

Compact structure:Fully integrated design, short installation time makes it possible to be put into production after placing in position. Small floor area, saving workshop space.

SPECIFICATION

Model	ECOLASER3015	
Laser power range	1000~3000W	
Product area	3050x1520mm	
Product area	120X60in	
Zaxis distance	250mm	
Max positioning speed (X/Y)	80m/min	
Max acceleration (X/Y)	0.8G	
positioning accuracy	±0.05mm/m	
Repeated positioning accuracy	0.03 mm	
Max uniaxial positioning speed (Z)	60m/min	
Max uniaxial acceleration (Z)	0.8G	
Max loading capacity of table	2X700kg	
Exchange type	Horizontal Exchange	
Max pressure of cuttin gas	1.6Mpa	
Focal length of torch	125/150	









HGLB SERIES



DESCRIPTION

High-level safety: Fully shielded design, multiple safety circuit interlocking and cutting state induction to ensure the safety of personnel and equipment during processing. The whole machine conforms to the safety standards of Europe and America.

High precision retentivity: Finite element analysis optimizes the design of high strength aluminum alloy extrusion molding beams. table is welded by steel plate, annealing stress removal treatment ensures long-term stability of precision.

High machining accuracy: The well-designed high-precision and high-rigidity transmission system makes the equipment excellent motion rigidity, Ensure accurate track of cutting under high-speed travelling

High Cutting quality: The cutting quality are continuous, reliable and smooth because of perfect process database, high beam quality laser, carefully designed cutting head optical scheme and gas system.

High cutting efficiency:Uniaxial acceleration of X/Y can be 1.2G, Uniaxial positioning speed of X/Y can be 100m\min.

Wide range of materials processing:Suitable for fast cutting of carbon steel, stainless steel, aluminum alloy, titanium alloy, galvanized board, copper and other metal materials.

Flexible product processing mode: No need for the preparation of mold and auxiliary consumables, not limited by batch and graphics, Generate graphics and cut at any time.

Friendly control system: Using FSCUT2000 system which has powerful function, simple interface and nesting function.

Exchange platform: The exchange time only needs 12 seconds which is very short and the operation is simple with horizontal exchange table.

Compact structure: Fully integrated design, short installation time makes it possible to be put into production after placing in position. Small floor area, saving workshop space.

SPECIFICATION

Model	HGLB3015	HGLB4020	HGLB6020	HGLB6025	
Laser power range	3000~6000W				
Product area	3050x1520mm	4050x2020mm	6050x2020mm	6050x2520mm	
	120X60in	160X80in	240X80in	240X100in	
Zaxis distance	250mm				
Max positioning speed (X/Y)	80m/min				
Max acceleration (X/Y)	1.2G				
positioning accuracy	±0.05mm/m				
repeated positioning accuracy	0.03 mm				
Max uniaxial positioning speed (Z)	60m/min				
Max uniaxial acceleration (Z)	1.2G				
Max loading capacity of table	2X700kg	2X1200kg	2X1500kg	2X1500kg	
Exchange type	Horizontal Exchange				
Max pressure of cuttin gas	1.6Mpa				
Focal length of torch	125/150				