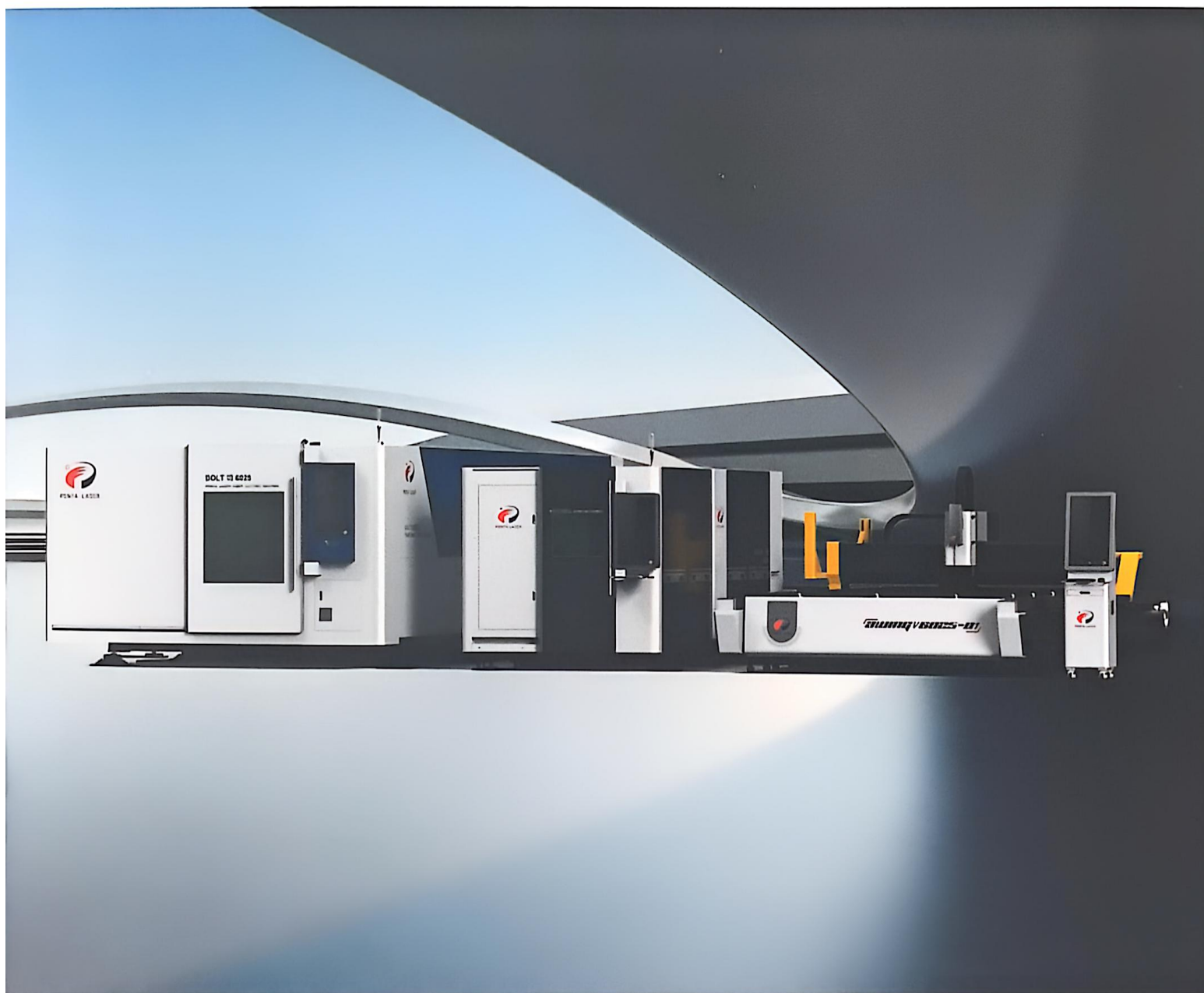


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# LEADER IN HIGH POWER LASER APPLICATION OF CHINA





## COMPANY PROFILE

Founded by Chutian Laser Group and Italian EL.EN. Group, Penta Laser is a Sino-Italian joint venture dedicated to R&D and manufacturing of high power laser cutting & welding equipment. It has set three main production bases in Wuhan, Wenzhou and Linyi. With world leading laser processing technology from Italy and core components provided by world-renowned brands, Penta laser fully executes standards and delivers high-quality products with stable and reliable performance. To provide prompt and standardized after-sales service for our customers, we have established customer service centers in 46 cities within China and more than 10 countries worldwide.

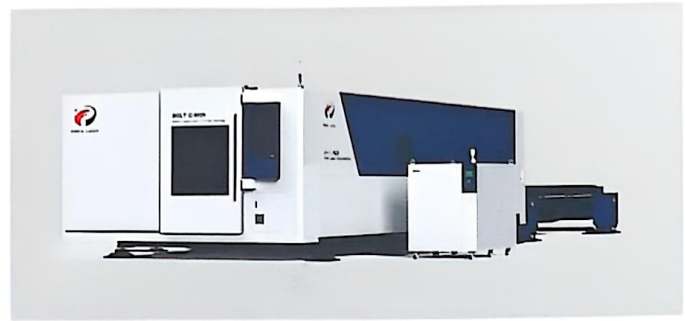
Adhering to its operation philosophy of "Being Laser Application Expert, creating Value for Customer", Penta Laser has six R&D centers in Italy, Shanghai, Beijing, Wuhan, Wenzhou and Linyi. In decades of continuous research, Penta Laser has obtained around 100 laser patents and developed a series of laser equipment at international advanced level. Our BOLT, SWING, 3D GAN3020, pipe cutting WHRIL and other products have received favorable comments from customers. In 2023, Penta Laser succeeded in developing the first 60kW ultra high power intelligent laser cutting machine in China that fills domestic technical gap of such power level and greatly increases benefit for more customers. All these advanced laser equipment are award winners and have been widely applied in machinery manufacturing, locomotive fabrication, aerospace, and sheet-metal production. Overseas markets have welcomed Penta laser with more and more positive feedback.

Through all these years, Penta laser has insisted on its quality policy of "Stay Meticulous, Maintain Persistence, Put Quality First, Continue innovation, Serve with High Quality, and Keep Every Word" all along. We are looking forward to leading technological reform in laser application together with you.

# BOLT SERIES TOP SPEED FIBER LASER CUTTING MACHINE

## BOLT Series

TECHNOLOGY INNOVATION



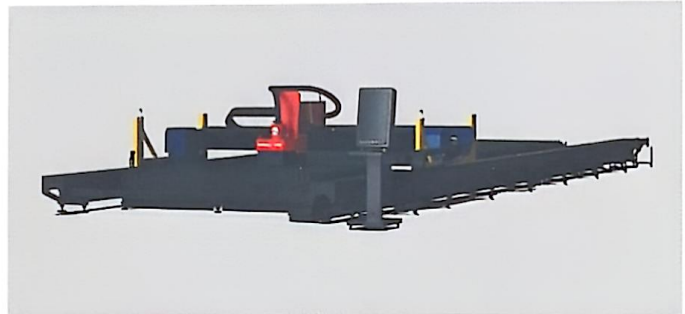
- Hollow structure design of split double machine tool .
- Burr-free piercing, sharp corner, thick plate shinning cutting, extreme thickness cutting, precision part cutting.
- Imported CNC chip system and the latest Smart Manager software, low pressure, low cost, high cutting efficiency, Higher precision, long-life machine design.

Technical Specifications	
Model	BOLT 3015 / 4020 / 6020 / 6025 / 8025 / 10025 / 12025
Table Travel	3000*1500mm-12000*2500mm
Accuracy	0.03mm/m
Mechanical Repeatability	0.02mm
Rapid Speed	160~200m/min
Maximum Acceleration	2.0~4.0G
Laser Power Option	6kW-60kW
Laser Source Option	IPG / RAYCUS / MAX
Bevel Cutting Function	Optional

# BULL LARGE-FORMAT FIBER LASER CUTTING MACHINE

## BULL Series

TECHNOLOGY INNOVATION



- High precision, little kerf, good cutting quality. Fast speed and high efficiency.
- Low cutting taper, high material utilization.
- Clean and environmental friendly, energy saving.

### MACHINE FEATURES

- Adopt the gantry structure design, ensure the diagonal accuracy of large format.
- High speed and high Acceleration.
- Laser protection and raster design.

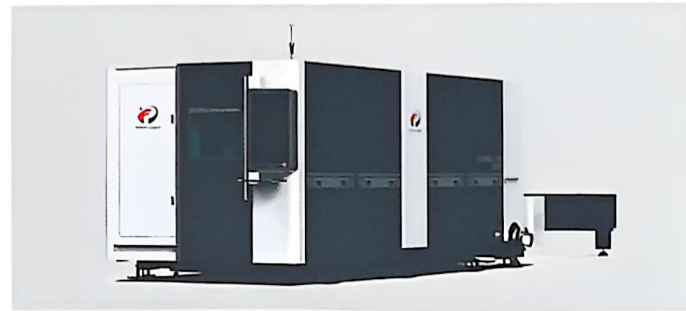
Technical Specifications		
Model	BULL	BULLV
Laser PowerOption	6-80kW	6-80kW
Table Travel	8000x3000mm~40000x5000mm(Customizable)	8000x3000mm~40000x5000mm(Customizable)
Rapid Speed	80m/min	110m/min
Maximum Acceleration	0.8G	1.1G
Optional bevelcutting	√	√

# SWING SERIES FIBER LASER CUTTING MACHINE

## SWING Series

### EQUIPMENT CHARACTERISTICS

- Ultra-fast cutting function.
- The latest SM software, multi-function expansion available.
- High power machine protection.
- Super-fast pallet exchanging, anti-laser radiation cover, partition dust removal, etc.
- Best performance, high cost effective.



Technical Specifications	
Model	SWING VII
Table Travel	3000*1500mm-12000*2500mm
Accuracy	0.06mm/m
Mechanical Repeatability	0.025mm
Rapid Speed	140m/min
Maximum Acceleration	1.5G
Laser Power Option	6kW-60kW
Laser Source Option	IPG / RAYCUS / MAX
Bevel Cutting Function	Optional

# AWING SERIES FIBER LASER CUTTING MACHINE

## AWING Series

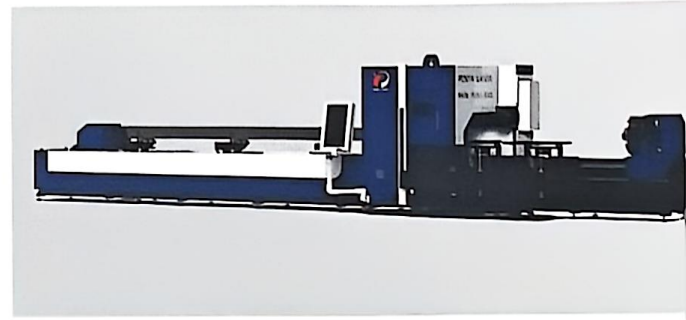
- Cost effective, high efficiency.
- Gantry structure, compact design.
- Equipped with wireless controller, convenient operation.
- Full enclosure, single or double work table optional.



Technical Specifications	
Model	AWING V-01
Laser Power Option	6-60kW
Table Travel	6000*2500mm~26000*2600mm
Rapid Speed	100~120m/min
Maximum Acceleration	1~1.5G
Optional bevel cutting	√

# WHIRL SERIES PIPE LASER CUTTING MACHINE

## WHIRL Series



- Ultra-fast cutting function.
- The latest SM software, multi-function expansion available.
- High power machine protection.
- Super-fast pallet exchanging, anti-laser radiation cover, partition dust removal, etc.
- Best performance, high cost effective.

Technical Specifications					
Model	WPR 6060	WPA 6011	WPA 6022	WPB 6025	WPB 6025
Laser PowerOption	1-3kW	1-3kW	3-6kW	3-6kW	3-6kW
Maximum LoadingLength	6m	6m	6m	6m	6m
Unloading Working Table	2m (Standard configuration)	1.5m (Standard configuration)	2m (Standard configuration)	3m (Standard configuration)	3m (Standard configuration)
Maximum Acceleration	□ φ 20 - 70 □ 15X15-60X60	□ φ 10 - 110 □ 10X10-75X75	□ φ 20 - 220 □ 20X20-150X150	□ φ 20 - 220 □ 20X20-240X240	□ φ 20 - 220 □ 20X20-270X270
Maximum Weight of a single Tube	30KG	60KG	200KG	400KG	600KG
Fully auto/Semi auto loading	✗			✓	

Technical Specifications				
Model	WPL6025	WPC 12036	WPC 12050	WPC 12065
Laser PowerOption	3-6kW	6-12kW	12-20kW	12-20kW
Maximum LoadingLength	6m	12m	12m	12m
Unloading Working Table	4.5m (Standard configuration)	6m (Standard configuration)	6m (Standard configuration)	6m (Standard configuration)
Maximum Acceleration	□ φ 20 - 240 □ 20X20-240X240	□ φ 20 - 350 □ 20X20-350X350	□ φ 60 - 500 □ 60X60-350X350	□ φ 80 - 630 □ 80X80-450X450
Maximum Weight of a single Tube	400KG	1200KG	2400KG	3000KG
Optional bevel cutting			✓	

# SWAN-HW Handy Laser Welder

## SWING-HW Series

- Human Protection
- Portable Mainframe
- Wobble Welding Head
- Welding Database



# Portable Handheld Laser Cleaning Machine

## ALIGHT Series

- Butter effect
- Convenient
- High efficiency
- Stable and environmentally friendly



Technical Specifications			
Rated Laser Output Power	1500W	2000W	3000W
Focal Length of Welding Head	150mm		200mm
Input power	220V		380V
Equipment weight	120KG	140KG	150KG
Equipment sizer	860*500*920(mm)		1100*585*985(mm)
Working Mode	Swing Welding and Wire Filling Function		
Power Regulation Range	10~100%		

Technical Specifications			
Rated Laser Output Power	1500W	2000W	3000W
Focal Length of Welding Head	500-850mm		
Input power	220V		380V
Equipment weight	120KG	140KG	150KG
Equipment sizer	860*500*920(mm)		1100*585*985(mm)
Working Mode	Single Axis Swing Cleaning Head		
Power Regulation Range	10~100%		

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