

DACU LASER
大簇激光

FIBER LASER CUTTING MACHINE

APT-Raycus-3000W 3015-6035 Laser Cutting Machine

INTRODUCTION



MAANSHAN DACU LASER TECHNOLEGY CO.,LTD

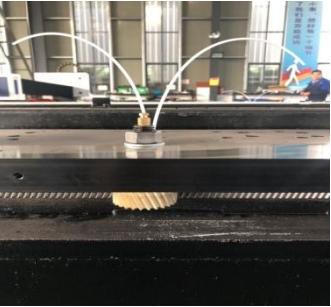
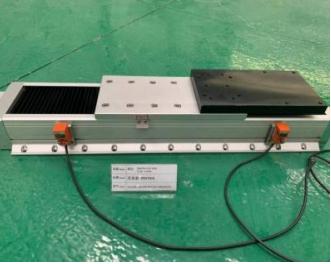
Configuration of the Machine

Parts Name	Picture	Brand and Original	Function
Laser source		Raycus CE 3000W	1:Direct control of all the fiber laser functions; 2:Synchronized control of the laser source; 3:Overall power control; 4:High speed perforation; 5:Edge machining function; 6:Cutting data library; 7:High speed
Cutting Head		 BOCI BLT310	1: Automatically focal position adjustment; 2:No-contact height sensor; 3:Horizontal lens adjustment; 4: Switzerland brand
Control System	 	 CypCutE + TubePro FSCUT3000DE-M	1:Recognized by over 300 domestic and foreign laser companies; 2 : Approved by over 100000 clients; 3:Stable operation on over 20000 sets cutting machine;ple 4:Able to complete from the design,map and process; 5:Simple,efficient,powerful and reliable

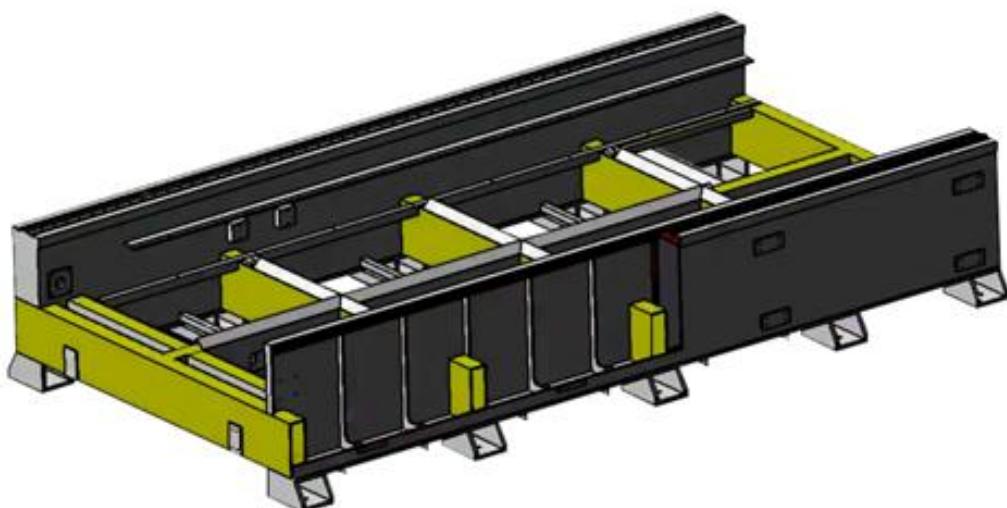
Square Guide Rail		SHAC	1:Precise design,easy to install; 2:High rigidity and overweight load capacity; 3:Low noise,smooth movement
Control Center		Advantech(Taiwan) 	1:CPU:G1820, 2:RAM:4G, 3:SSD:120G
Rack and Pinion system		leitesen	1: High hardness; 2: 6H precision; 3: easy to install.
Driving System		delta	1:Servo Motor with high precise; 2:Able to control cutting speed and position; 3:Stable running,lower speed without vibration phenomenon; 4:Better overload capacity
Reducer		MotorReducer (France)	1:Helical gear replacing previous spur gear,lower noise; 2:Back to the gap below 0.05 are points; 3:Low pulsating roration smooth

Scale valve		SMC(Japan)  China	Unbounded adjustment of pressure and speed
Electric		Schneider (French) 	In the field of electricity, it is a brand with global leadership
Cooling System		tongfei	1:Exclusive for Laser machincs; 2:Multiple protection functions,passive alarm terminals and remote control terminals,easy to achieve centralized CNC control and monitoring; 3:System components are used internationally renowned brands to ensure that the equipment has excellent quality and good reliability
Wire and cable		DOROU (Germany)  柔电 移动电缆专家	The product performance is in line with the European CE standard.

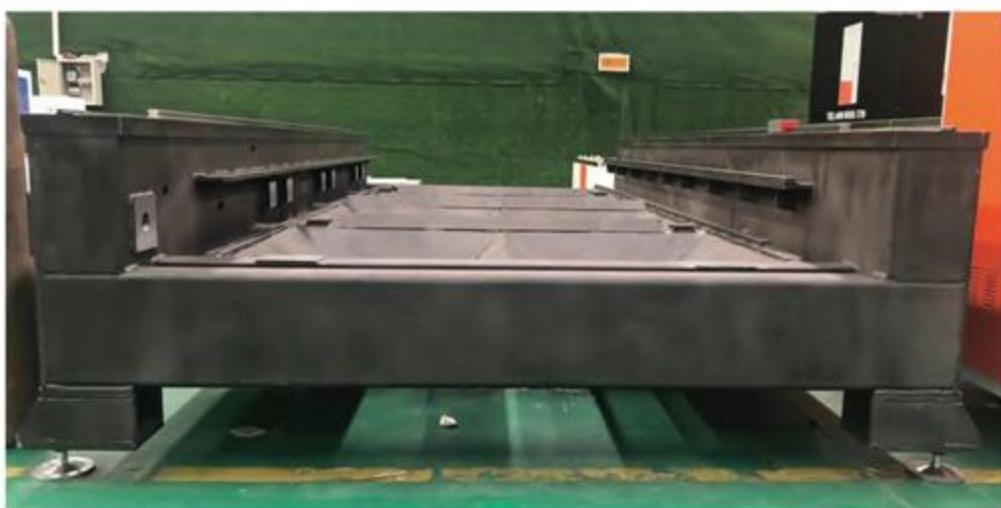
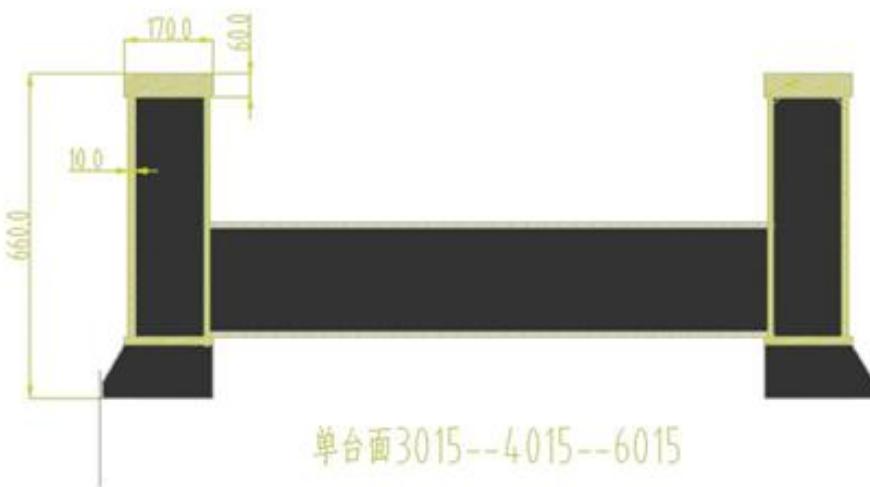
Oil Injection System		China.Zhejiang	After using some time,Rack&Pinion and guide rails always need maintained by inject oils.Make sure the machine keep moving fluently and in good precision.
Machine Tool Process		Self-research and development 	1: Steel welding 2: tempering processing
Machine crossbeam		Self-research and development 	1: Steel welding 2: tempering processing
Processing Center		NEWAY 	milling machine

Sponge gear		Self-research and development 	Lubrication, dust control.
Machine tool table		YOUYUIA(China) 	High precision
oil slot and press block		Self-research and development 	Increased stability

Machine Frame



床身采用插装式焊法、工作台面配有油槽和压块。



Parameters

Laser Power	3000W
Laser Medium	YVO4
Laser Wavelength	1070 nm
dated Output Power	3000 W
Beam Quality	< 0.373mrad
Y-axis Rout	3040mm
X-axis Rout	1520mm
Z-axis Rout	120mm
X/Y-axis Positioning Accuracy	$\leq \pm 0.03\text{mm/m}$
X/Y-axis repositioning accuracy	$\leq \pm 0.02\text{mm/m}$
Max.Moving Speed	80m/min
Phase	3
Max. Loading weight	3200KG
Rated voltage	380V
Power Frequency	50Hz
Protection Level	IP54

Parameters for tube cutting

X-axis Rout	240mm
Y-axis Rout	6200mm
Z-axis Rout	300mm
X/Y-axis Positioning Accuracy	$\leq \pm 0.03\text{mm}/1000\text{mm}$
X/Y-axis Repositioning Accuracy	$\leq \pm 0.03\text{mm}$
X-axis Max Moving Speed	60m/min
X/Y-axis Max Acceleration	1.0 G
Control system	FSCUT 3000DE-M
Control Software	TubePro
U-axis Rout	Infinite Rotation
Tube Diameter Range	10mm-350mm
Cutting Seam Width	0.1-0.2mm
U-axis Repeat Positioning Accuracy	$\leq 5\text{ arc min}$
U-axis Maximum Positioning Speed	200RPM
Tube Attachment Machine Weight	1600KG
Processing Profile	Round Tube , Square Tube

Configuration of the Machine

	Brand	MODEL
Laser source	Raycus	3000w
Laser head	BOCI	BLT310
Control system	Bochu	CypCutE + TubePro
X-axis servo motor	delta	1300W
Y-axis servo motor	delta	Dual 2900W
Z-axis servo motor	delta	450W (Ball Screw)
Scale valve	SMC	8Bar
Reducer	MotorReducer	
Chiller	Tongfei	Model for 3000W
Wire	DOROU(Germany)	German Brand
Frame	Self Made	Total weight more than 5.7 tons

Service Commitment

Pre-sale Service

- According to customers demands, provide relevant technical support
- Assist customers to design and make laser cutting solution considering technical feasibility.
- Provide equipment demonstration for customers to investigate, make samples and do test etc.

In-sale Service

- Provide customer with a full set of operation instructions
- Assist the customers to plan and arrange water, electricity and gas etc. through the working environment analysis.
- More than 11 language's overseas service system enable Dacu can provide first-class in-sale service to customers all over the world.

After-sale Service

- Profession engineer will train, guide the user operator, until the operator has good command of equipment operation DACU laser provide 1 years warranty for all laser machines
- Company can provide 24 hours service whenever customers have any questions or requests
- Engineers are available to service customers overseas

Quotation

Configuration	Description	Qty.(set)
DC-LS-Raycus-3000W-3015-T6032 Fiber Laser Cutting Machine	<p>Effective cutting area:3030mmx1520mm Laser power: Raycus Laser Source 3000W CE version With FSCUT 3000DE-M With BOCI BLT310 Cutting Head With TongFei Water chiller With DELTA 2.9kw*2 + 1.8kw*3+1.3kw + 0.4kw With SHAC RAIL + Leiteseng rack + Motor Reducer + DELTA Servo motor With Standard fume exhaustion system + 5kw blower fan With Chunk 350mm Dia from BEUT With 6-meter Pipe cutting bed With SMC 8bar proportion valve With three auxiliary gas input lines . With 32 inch touch screen for easy operation With 50kva Voltage Regulator</p>	1
CNY: 275,000		

- 1.Payment: 30% down payment when ordering, 70% balance payment against B/L.
- 2.Priceterms: EXW
- 3.Warranty Terms: 2 years limited warranty since delivery date. Raycus Laser source and other major components are following their own warranty terms.
- 4.Machine Installation support service:
Installation Time 1 technician in approx. 2 working days remote support via wechat.
- 5.Delivery Time: 30 days.