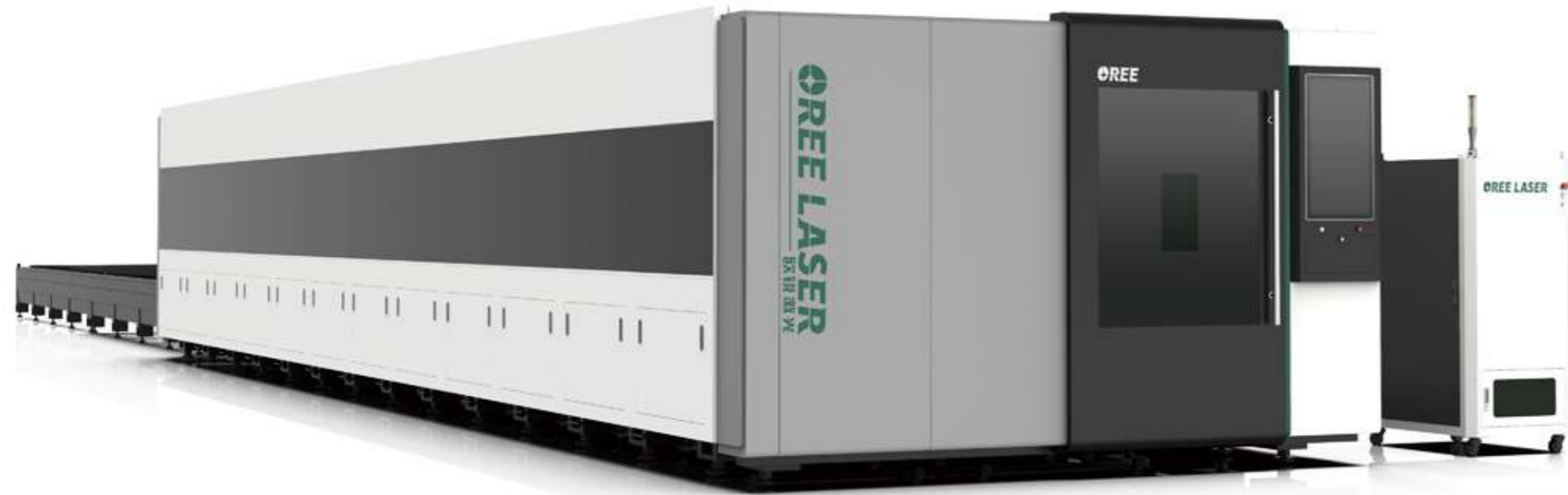


**OREE LASER**

# OR-H

Ultra Speed Fiber Laser Cutting Machine



## Technical Parameters

Model	OR-H3015	OR-H6025
Working Area	3050*1530mm	6050*2530mm
Power	3000w/6000w/10000w/12000w/15000w/20000w/30000w	
Positioning Accuracy	±0.03mm	
Repeated Positioning Accuracy	±0.02mm	
Max. Moving Speed	200m/min	

# OR-PG

High Power Fiber Laser Cutting Machine



## Technical Parameters

Model	OR-PG3015	OR-PG4020	OR-PG6015	OR-PG6020	OR-PG6025	OR-PG8025	OR-PG12025
Working Area	3050*1530mm	4050*2030mm	6050*1530mm	6050*2030mm	6050*2530mm	8050*2530mm	12150*2530mm
Power	6000w/10000w/15000w/20000w/30000w/40000w/60000w						
Positioning Accuracy	±0.03mm						
Repeated Positioning Accuracy	±0.02mm						
Max. Moving Speed	120m/min						

# OR-PH

Full Enclosed Fiber Laser Cutting Machine



Technical Parameters

Model	OR-PH3015	OR-PH4020	OR-PH6015	OR-PH6020	OR-PH6025
Working Area	3050*1530mm	4050*2030mm	6050*1530mm	6050*2030mm	6050*2530mm
Power	1500w/2000w/3000w/6000w				
Positioning Accuracy	±0.03mm				
Repeated Positioning Accuracy	±0.02mm				
Max. Moving Speed	100m/min	120m/min	100m/min	120m/min	

# OR-EH

Exchange Platform Fiber Laser Cutting Machine



## Technical Parameters

Model	OR-EH3015	OR-EH4020	OR-EH6020
Working Area	3050*1530mm	4050*2030mm	6050*2030mm
Power	1500w/2000w/3000w/6000w		
Positioning Accuracy	±0.03mm		
Repeated Positioning Accuracy	±0.02mm		
Max. Moving Speed	100m/min	120m/min	



# OR-GR

Earth Orbit Laser Cutting Machine

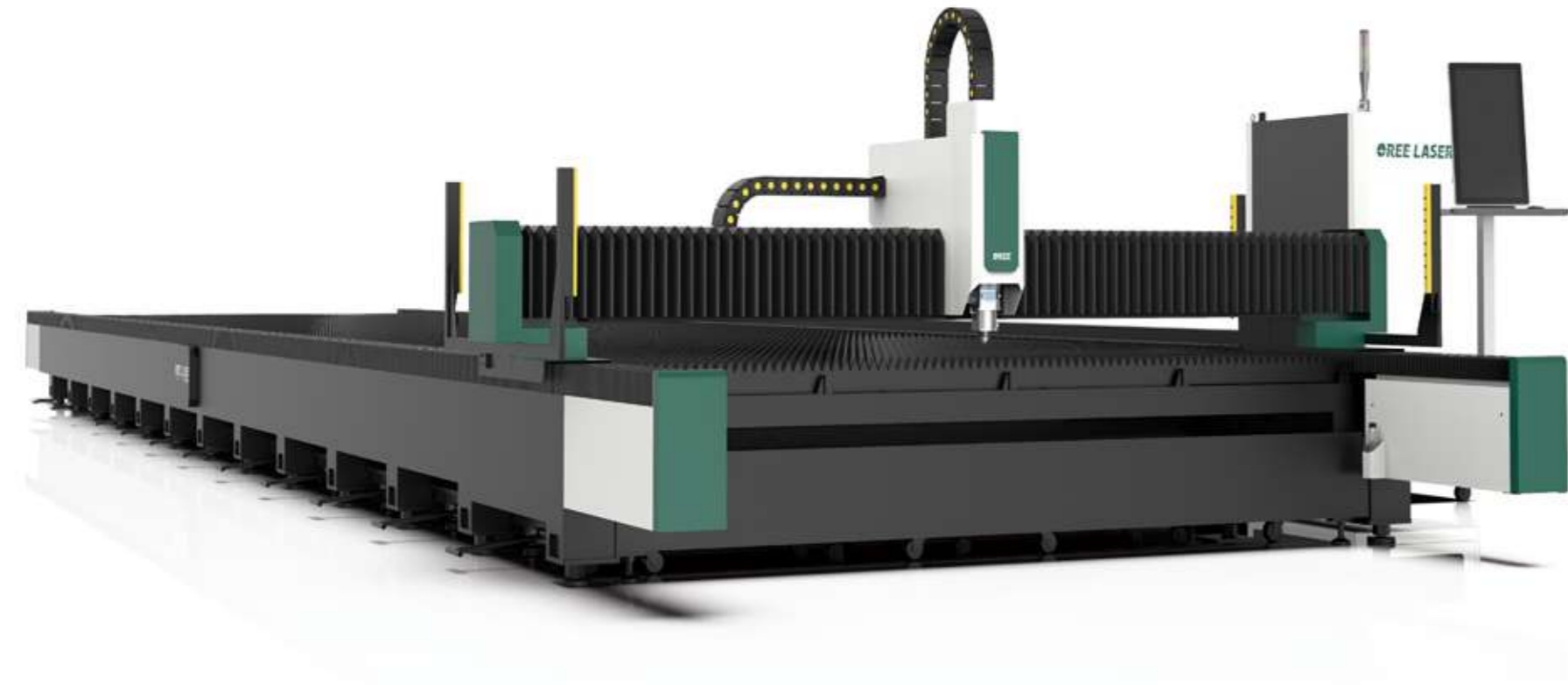


## Technical Parameters

Model	OR-GR12032	OR-GR13052
Working Area	12100*3250mm	13100*5250mm
Power	6000w/10000w/15000w/20000w/30000w	
Positioning Accuracy	±0.1mm	
Repeated Positioning Accuracy	±0.05mm	
Max. Moving Speed	80m/min	

# OR-G

Super Large-Format Metal Sheet Laser Cutting Machine

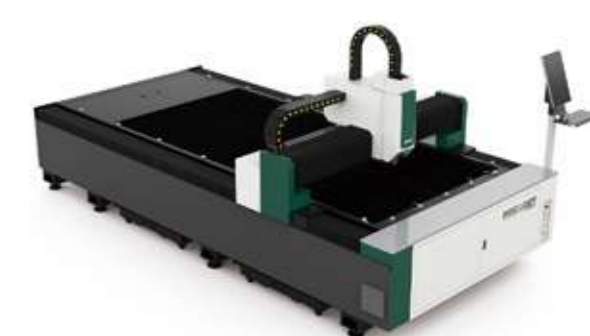


## Technical Parameters

Model	OR-G12025	OR-G14031
Working Area	12100*2550mm	14100*3100mm
Power	6000w/10000w/15000w/20000w	
Positioning Accuracy	±0.05mm	
Repeated Positioning Accuracy	±0.03mm	
Max. Moving Speed	100m/min	

# OR-FH

Flatbed Fiber Laser Cutting Machine



### Technical Parameters

Model	OR-FH3015	OR-FH4015	OR-FH4020	OR-FH6015	OR-FH6020	OR-FH6025	OR-FH8025
Working Area	3050*1530mm	4050*1530mm	4050*2030mm	6050*1530mm	6050*2030mm	6050*2530mm	8050*2530mm
Power	1500w/2000w/3000w/4000w/6000w/8000w/12000w						
Positioning Accuracy	±0.03mm						
Repeated Positioning Accuracy	±0.02mm						
Max. Moving Speed	100m/min	120m/min	100m/min	120m/min			



# OR-FM

Middle Sheet Fiber Laser Cutting Machine



Technical Parameters

Model	OR-FM3015	OR-FM4015	OR-FM4020	OR-FM6015	OR-FM6020	OR-FM6025
Working Area	3050*1530mm	4050*1530mm	4050*2030mm	6050*1530mm	6050*2030mm	6050*2530mm
Power	1500w/2000w/3000w/6000w					
Positioning Accuracy	±0.05mm					
Repeated Positioning Accuracy	±0.03mm					
Max. Moving Speed	80m/min					

# OR-R

Rolled Laser Cutting Production Line

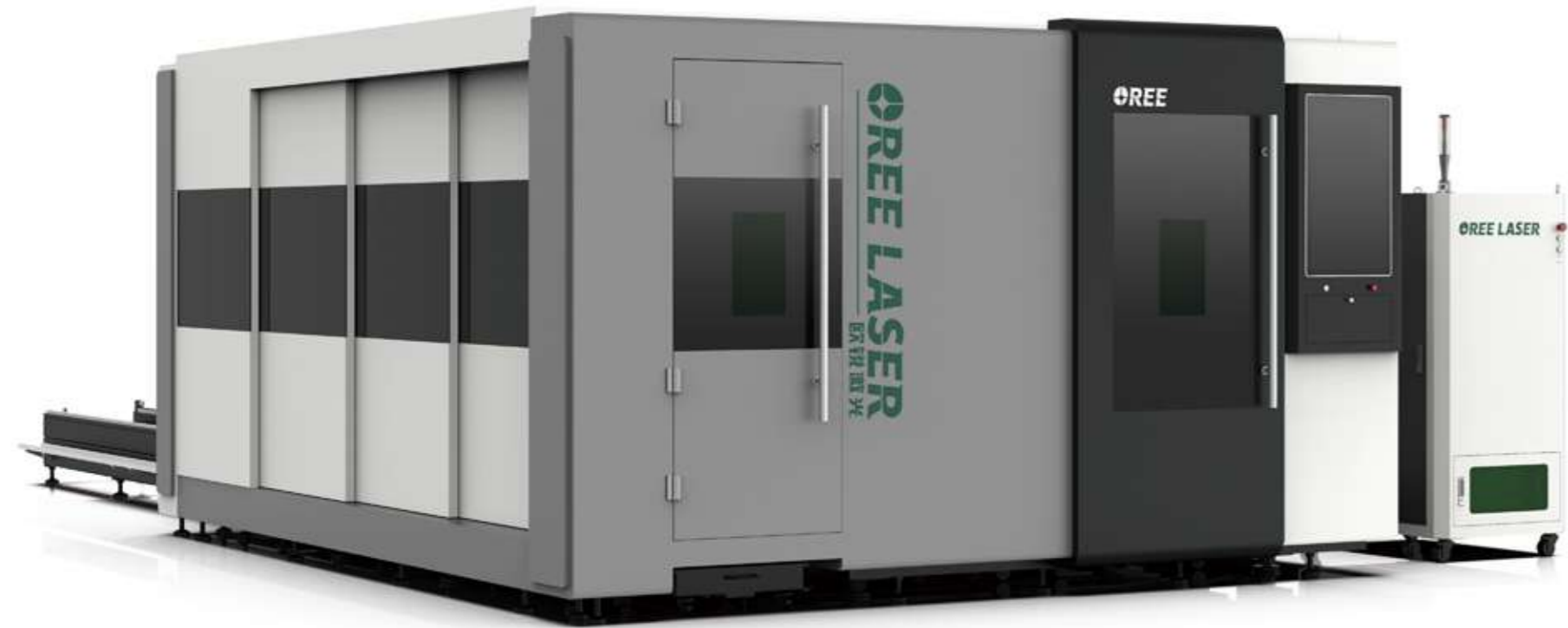


## Technical Parameters

Model	OR-R3015	OR-R4015	OR-R6015
Working Area	3050*1530mm	4050*1530mm	6050*1530mm
Power	1000w/1500w/2000w/3000w		
Positioning Accuracy	±0.03mm		
Repeated Positioning Accuracy	±0.02mm		
Max. Moving Speed	80m/min		

# OR-PHT

Protective Closed Sheet&Tube Fiber Laser Cutting Machine

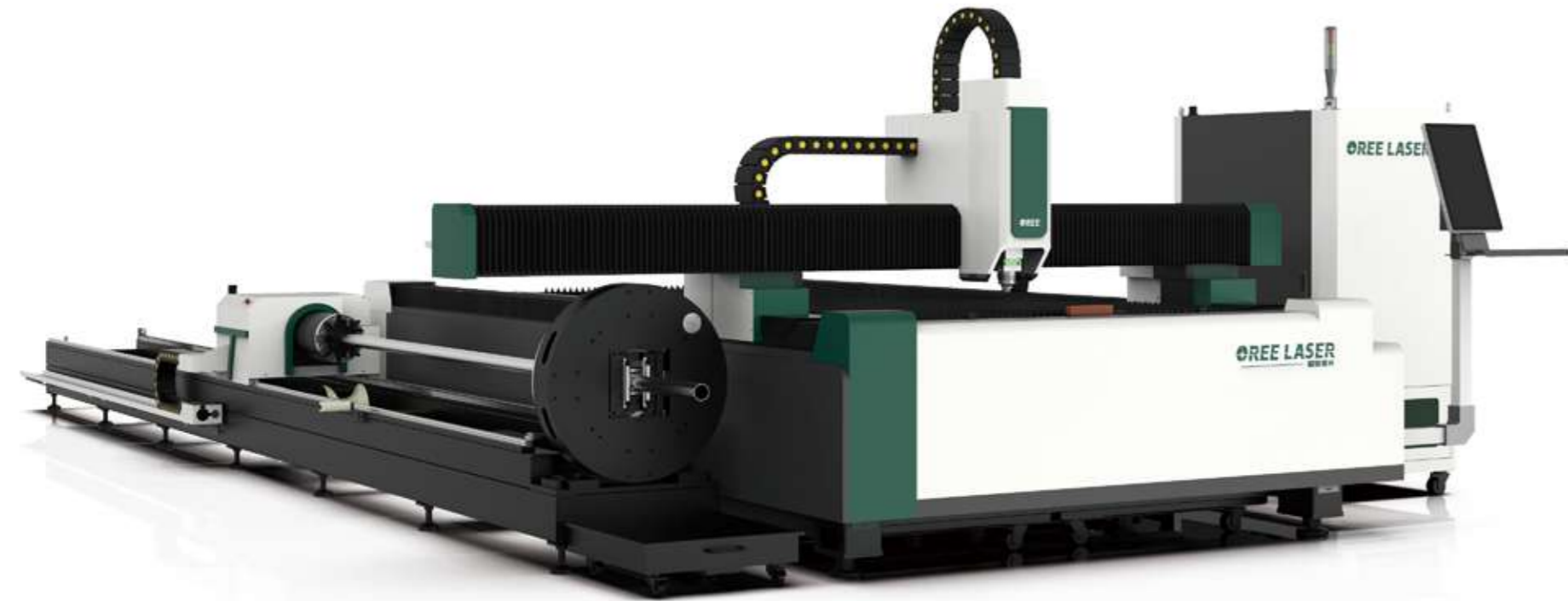


## Technical Parameters

Model	OR-PHT3015	OR-PHT4020	OR-PHT6015	OR-PHT6020	OR-PHT6025
Working Area	3050*1530mm	4050*2030mm	6050*1530mm	6050*2030mm	6050*2530mm
Power	1500w/2000w/3000w/6000w				
Effective Tube Cutting Length	3000/6200mm				
Effective Round Tube Cutting Diameter	Φ10-Φ225mm				
Effective Square Tube Cutting Diameter	□ 10- □ 225mm				
Max. Moving Speed	100m/min	120m/min	100m/min	120m/min	

# OR-EHT

Exchange Table Sheet & Tube Fiber Laser Cutting Machine



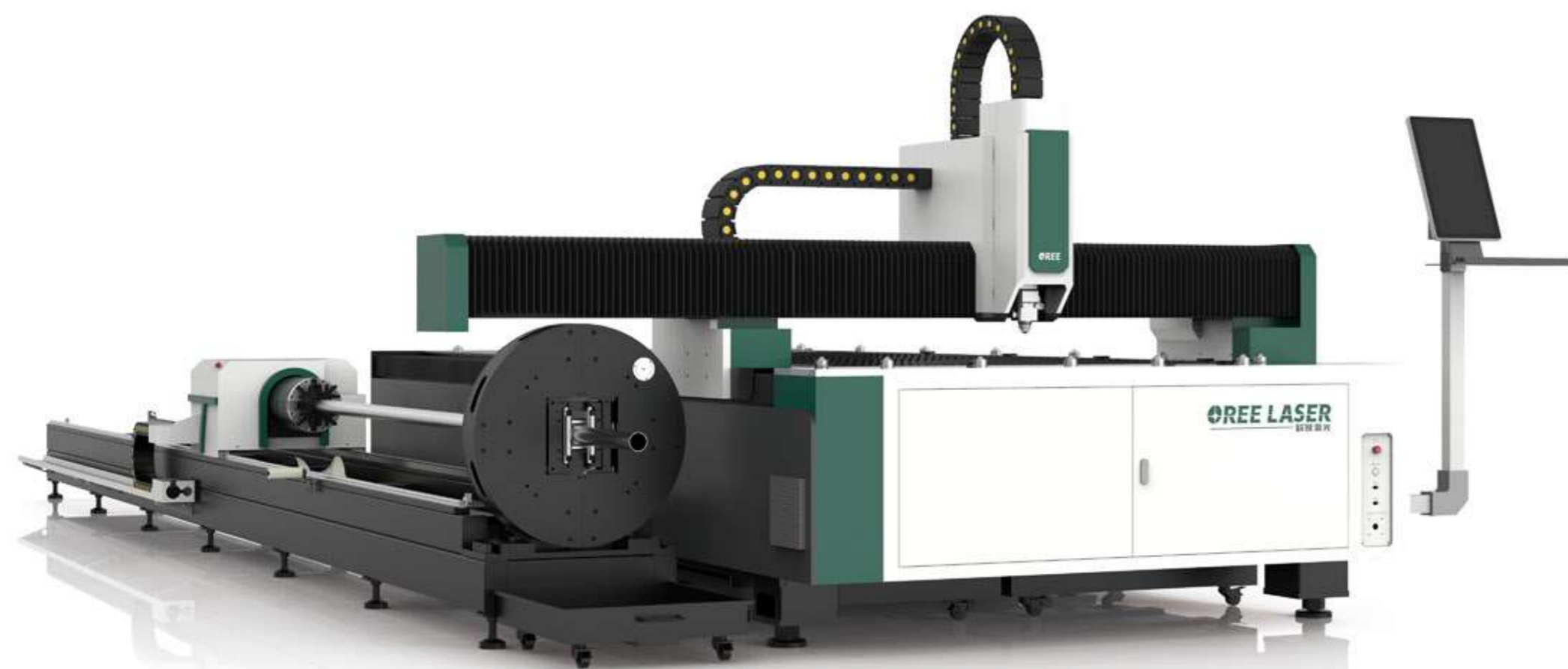
■ Technical Parameters

Model	OR-EHT3015	OR-EHT4020	OR-EHT6020
Working Area	3050*1530mm	4050*2030mm	6050*2030mm
Power	1500w/2000w/3000w/6000w		
Effective Tube Cutting Length	3000/6200mm		
Effective Round Tube Cutting Diameter	Φ10-Φ225mm		
Effective Square Tube Cutting Diameter	□ 10- □ 225mm		
Max. Moving Speed	100m/min	120m/min	



# OR-FHT

Dual-use Sheet & Tube Fiber Laser Cutting Machine



## Technical Parameters

Model	OR-FHT3015	OR-FHT4015	OR-FHT4020	OR-FHT6015	OR-FHT6020	OR-FHT6025	OR-FHT8025
Working Area	3050*1530mm	4050*1530mm	4050*2030mm	6050*1530mm	6050*2030mm	6050*2530mm	8050*2530mm
Power	1500w/2000w/3000w/6000w						
Effective Tube Cutting Length	3000/6200mm						
Effective Round Tube Cutting Diameter	Φ10-Φ225mm						
Effective Square Tube Cutting Diameter	□ 10- □ 225mm						
Max. Moving Speed	100m/min	120m/min	100m/min	100m/min	120m/min	120m/min	120m/min



# OR-TZ

Side Mounted Heavy Duty Laser Pipe Cutting Machine

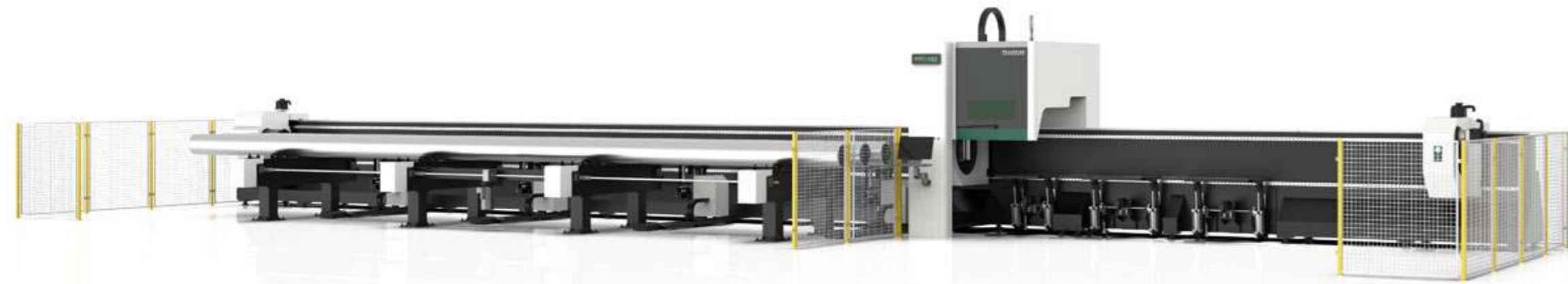


## Technical Parameters

Model	OR-TZ12050
Power	3000w/6000w/12000w
Effective Round Tube Cutting Diameter	Φ20-Φ500mm
Effective Square Tube Cutting Diameter	□ 20- □ 350mm
Effective Tube Cutting Length	12500mm
Positioning Accuracy	±0.05mm
Repeated Positioning Accuracy	±0.05mm
Maximum chuck speed	50r/min

# OR-TE

Side Mounted Heavy Duty Laser Pipe Cutting Machine



## Technical Parameters

Model	OR-TE12035
Power	3000w/6000w/12000w
Effective Round Tube Cutting Diameter	Φ10-Φ350mm
Effective Square Tube Cutting Diameter	□ 10- □ 350mm
Effective Tube Cutting Length	12500mm
Positioning Accuracy	±0.05mm
Repeated Positioning Accuracy	±0.05mm
Maximum chuck speed	60r/min

# OR-TH

Side-mounted high-efficiency laser pipe cutting machine



## Technical Parameters

Model	OR-TH6016	OR-TH6020
Power	1500w/2000w/3000w	
Effective Round Tube Cutting Diameter	Φ10-Φ160mm	Φ10-Φ225mm
Effective Square Tube Cutting Diameter	□ 10- □ 160mm	□ 10- □ 225mm
Effective Tube Cutting Length	6300mm	6350mm
Positioning Accuracy	±0.1mm	
Repeated Positioning Accuracy	±0.1mm	
Maximum chuck speed	140r/min	120r/min

# OR-TR

Super heavy duty laser tube cutting machine



## Technical Parameters

Model	OR-TR6060	OR-TR12060	OR-TR12035
Power	3000w/6000w/12000w		
Effective Round Tube Cutting Diameter	Φ20-Φ590mm	Φ20-Φ590mm	Φ20-Φ350mm
Effective Square Tube Cutting Diameter	□ 20- □ 400mm	□ 20- □ 400mm	□ 20- □ 350mm
Effective Tube Cutting Length	6300mm	12300mm	
Positioning Accuracy	±0.1mm		
Repeated Positioning Accuracy	±0.1mm		
Maximum chuck speed	30r/min		80r/min



# OR-TS

Three-Chuck Tube Fiber Laser Cutting Machine



## Technical Parameters

Model	OR-TS6020	OR-TS12020	OR-TS12035
Power	1500w/2000w/3000w/6000w		
Effective Round Tube Cutting Diameter	Φ15-Φ230mm	Φ15-Φ230mm	Φ15-Φ350mm
Effective Square Tube Cutting Diameter	□ 15- □ 230mm	□ 15- □ 230mm	□ 15- □ 350mm
Effective Tube Cutting Length	6500mm	12500mm	
Positioning Accuracy	±0.05mm		
Repeated Positioning Accuracy	±0.05mm		
Maximum chuck speed	120r/min		80r/min



# OR-TA

High Precision Tube Fiber Laser Cutting Machine



## Technical Parameters

Model	OR-TA6020	OR-TA6035	OR-TA9035	OR-TA12020	OR-TA12035
Power	1500w/2000w/3000w/6000w				
Effective Round Tube Cutting Diameter	Φ15-Φ230mm	Φ15-Φ350mm	Φ15-Φ350mm	Φ15-Φ230mm	Φ15-Φ350mm
Effective Square Tube Cutting Diameter	□ 15- □ 230mm	□ 15- □ 350mm	□ 15- □ 350mm	□ 15- □ 230mm	□ 15- □ 350mm
Effective Tube Cutting Length	6300mm	6250mm	9250mm	12300mm	12250mm
Positioning Accuracy	±0.05mm				
Repeated Positioning Accuracy	±0.05mm				
Maximum chuck speed	120r/min	80r/min		120r/min	80r/min

# OR-TG 高精度激光切管机

High Precision Tube Fiber Laser Cutting Machine



## Technical Parameters

Model	OR-TG6020	OR-TG6035	OR-TG7035	OR-TG9035
Power	1500w/2000w/3000w/6000w			
Effective Round Tube Cutting Diameter	Φ15-Φ230mm	Φ15-Φ350mm	Φ15-Φ350mm	Φ15-Φ350mm
Effective Square Tube Cutting Diameter	□ 15- □ 230mm	□ 15- □ 350mm	□ 15- □ 350mm	□ 15- □ 350mm
Effective Tube Cutting Length	6300mm	6250mm	7250mm	9250mm
Positioning Accuracy	±0.05mm			
Repeated Positioning Accuracy	±0.05mm			
Maximum chuck speed	120r/min	80r/min		

# OR-TL

Economical Fiber Laser Tube Cutting Machine



## Technical Parameters

Model	OR-TL6016	OR-TL6020	OR-TL6035
Power	1500w/2000w/3000w		
Effective Round Tube Cutting Diameter	Φ10-Φ160mm	Φ10-Φ230mm	Φ15-Φ360mm
Effective Square Tube Cutting Diameter	□ 10- □ 160mm	□ 10- □ 230mm	□ 15- □ 360mm
Effective Tube Cutting Length	6400mm	6300mm	6400mm
Positioning Accuracy	±0.1mm		
Repeated Positioning Accuracy	±0.1mm		
Maximum chuck speed	140r/min	120r/min	140r/min



# OR-TM

Side-mounted high-efficiency laser pipe cutting machine



## Technical Parameters

Model	OR-TM90	OR-TM160
Power	1500w/2000w/3000w	
Effective Round Tube Cutting Diameter	Φ15-Φ90mm	Φ30-Φ120mm
Effective Square Tube Cutting Diameter	□ 10- □ 60mm	□ 20- □ 84mm
Effective Tube Cutting Length	6000mm/9000mm/12000mm	
Positioning Accuracy	±0.1mm	
Repeated Positioning Accuracy	±0.1mm	
Maximum chuck speed	180r/min	

# OR-S

High Precision Fiber Laser Cutting Machine



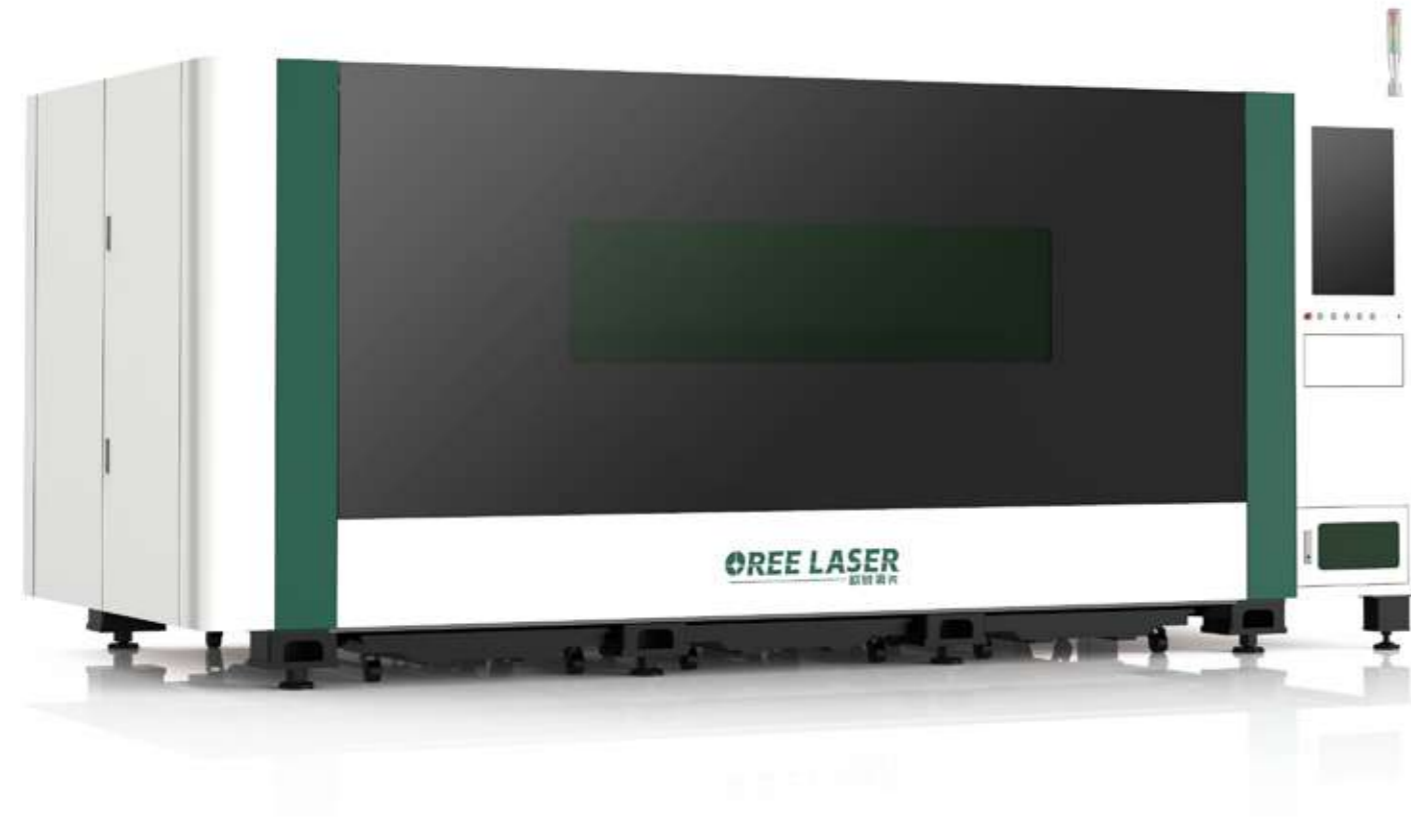
Technical Parameters

Model	OR-S1309	OR-S1313	OR-S1325	OR-S1510
Power	1500w/2000w/3000w/6000w			
Working Area	1330*950mm	1330*1350mm	2560*1330mm	1530*1050mm
Positioning Accuracy	±0.02mm			
Repeated Positioning Accuracy	±0.02mm			
Max. Moving Speed	60m/min		80m/min	60m/min



# OR-S

High Precision Fiber Laser Cutting Machine



Technical Parameters

Model	OR-S1530
Power	1500w/2000w/3000w/6000w
Working Area	3060*1530mm
Positioning Accuracy	±0.03mm
Repeated Positioning Accuracy	±0.02mm
Max. Moving Speed	80m/min

# OR-HW

Hand Held Laser Welding Machine



Technical Parameters

Model	OR-HW
Power	1000w/1500w/2000w/3000w
Laser Wavelength	1064±10nm
Operating Mode	Continuous / Modulation
Recommended Material Thickness	0.5-6mm
Seams Requirements	≤ 0.5mm

# OR-LC

Hand Held Laser Cleaning Machine



Technical Parameters

Model	OR-LC1000	OR-LC1500	OR-LC2000	OR-LC3000
Power	1000w	1500w	2000w	3000w
Laser Wavelength	1064±10nm			
Cleaning Speed	5-20m <sup>2</sup> /h	8-40m <sup>2</sup> /h	10-60m <sup>2</sup> /h	20-80m <sup>2</sup> /h
Focus Focal Length	D20 F400m/D20 F800mm			
Collimated Focal Length	D20*3.5 F50mm			



# QC SYSTEM

## 01 Flatness



Large cnc milling machine processing

## 02 Heat treatment



Heat aging treatment ensures stable operation of the machine

## 03 Parallelism test



Rack parallel precision debugging assembly

## 04 Perpendicularity test



Marble feet for lathe bed verticality

## 05 Straightness test



Laser collimator detect guide line

## 06 Precision test



The laser interferometer guarantees the running accuracy of the whole machine

## 07 Accuracy test



Accuracy test

## 08 Hardness test



Test the hardness of raw material

## 09 Fineness test



Every tiny part is detected many times

## 10 Quantity production



Quantity production with skilled technique and advanced manufacturing process

## 11 Aging detection



72 hours aging test

## 12 Cutting test



12 hours cutting test



## WHOLE INDUSTRY CHAIN MODEL



Laser Cutting

Accurate cutting, small error, will not cause plate size error due to slitting



Groove welding

Groove welding and seamless welding are used to make the plates (pipes) reach equal strength butt, and ensure that the bed reaches equal strength



Stress annealing

Stepwise increase temperature to 580 degrees for annealing treatment, and then aging treatment for 1-2 days, release the internal stress of the bed, the internal stress is basically eliminated.



Sandblasting

The impact of high-speed sand flow is used to clean and roughen the surface of the bed. After spraying, the bed can form a smooth and bright permanent coating film to achieve the purpose of decoration and anti-corrosion.



Roughing

Cut most of the machining allowance from the workpiece to make the shape and size close to the requirements of the finished product. Leave it for another month to achieve natural aging and ensure that the deformation of the rail mounting surface is extremely small, not exceeding 0.02mm/M.

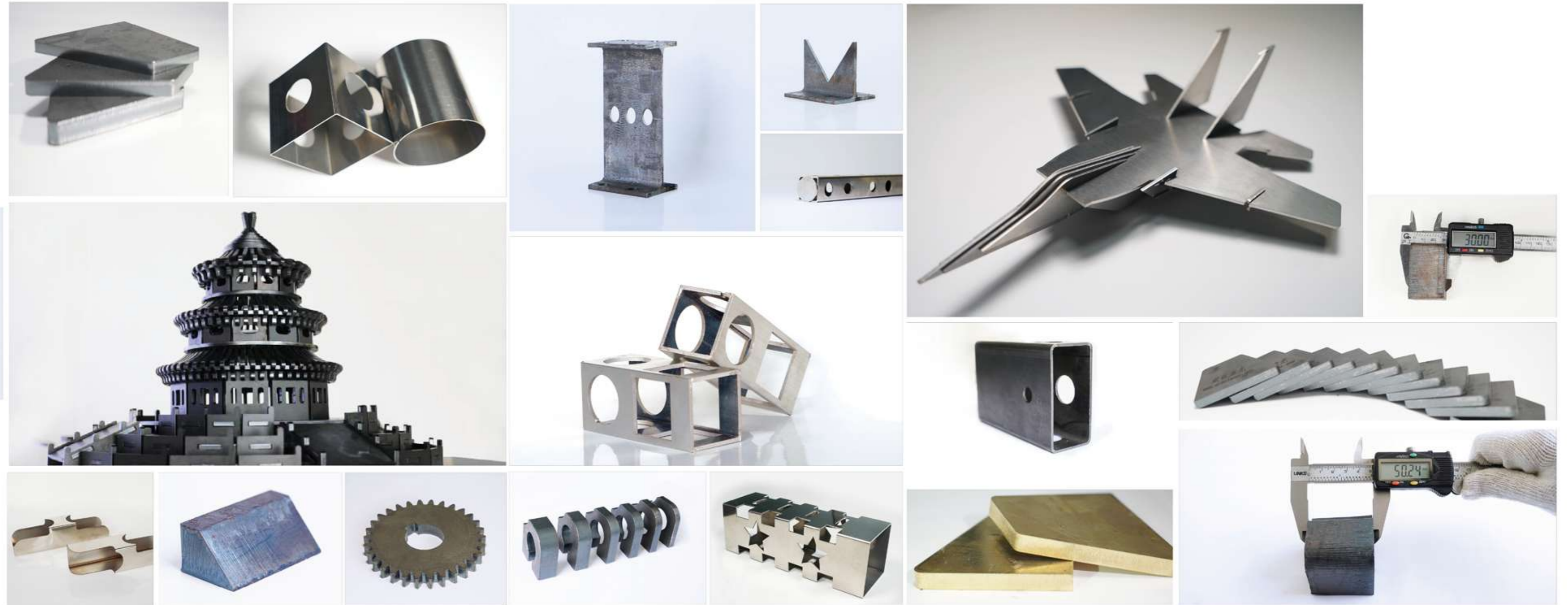


Fining

A few machining allowances are cut from the surface of the finely machined workpiece to obtain high machining accuracy and a small surface roughness value.



# CUTTING SAMPLE



Sales partner in Mexico:



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