



## *Laser Cladding Machine*

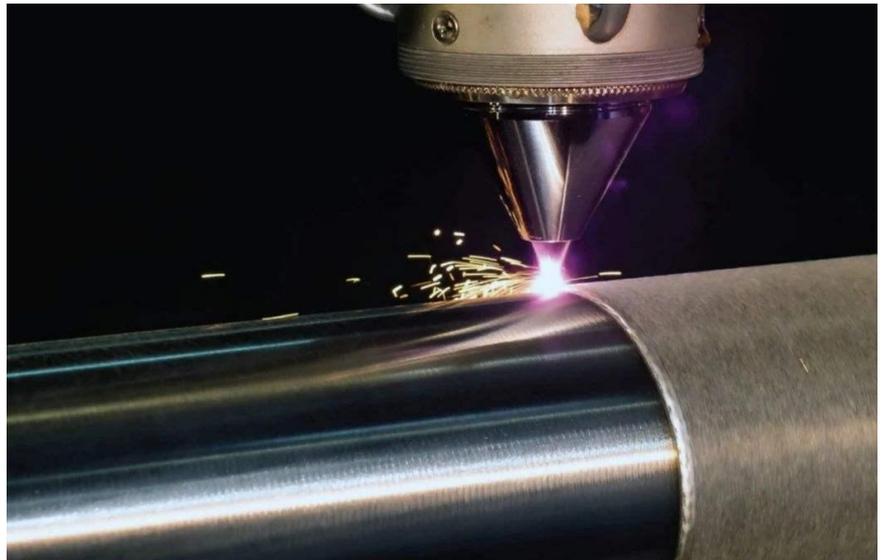
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High-efficiency

Environmental

Energy-saving



Shanghai Duomu Industrial Co., LTD

# Company Profile

Shanghai Duomu Industrial Co., Ltd. is a high-tech enterprise integrating production, research and development and sales. Since its establishment, the company has formed its own unique advantages in the development of welding power supply. The company also has the ability to customize non-standard products according to customer needs. For example, the geomagnetic detection emission source developed by our Power Supply Development Research Institute for the National 863 project has been widely used in China's Marine exploration, oil exploration and other fields.

According to the characteristics of the surface treatment industry, the company has developed optical lenses, powder delivery nozzle and powder delivery devices for different specific applications, and provides solutions for special applications. Can provide laser surface treatment core components for customers in different fields and in different dimensions.

The company's customers cover aerospace, railway, shipping, mining, mining, electricity, metallurgy, mold, machine tools and other industries, we can provide customized light road design, nozzle design, alloy powder configuration and exclusive development of control systems.

So far, the company has become the dream team in the industry, outstanding performance. Has with China nuclear group, Baker Hughes, Baosteel group, NOV, Shenhua group, Angang group, Shanghai institute of physics, 711 research institute, Zhengzhou machinery research institute, Shanghai valve factory co., LTD., Shanghai nuclear valve co., LTD., Jiangsu shentong valve co., LTD., hundreds of enterprises and scientific research institutions, but also with Shanghai jiaotong university, sun Yat-sen university, Xiamen university, Beijing armoured engineering institute, Jilin university, Jiangsu university, Shanghai university, east China university, Lanzhou university of Lanzhou university of technology cooperation agreement.



# Laser Series



Machine laser

Available Power  
3000W  
4000W  
6000W  
12000W



Available Power  
1000W  
1500W  
2000W

Handy Laser

# Laser Accessories



Powder feeder



The outer torch



The inner torch



## Petrochemical

Application products: valve, valve seat, sealing flange, wear-resistant pipe, oil drilling, plunger pump, centralizer

## Mineral mining

Application products: hydraulic pillar, hydraulic cylinder, central slot of shearer, coal cutter, sprocket

## Energy power

Application products: hydraulic, fire, wind power generation main components include: generator rotor, bearing, transmission body, steam turbine blade, turbine blade, incinerator water cooling wall

## Mold hardware

Application products: automobile stamping mold, injection molding mold, glass mold, casting mold, bending machine mold, agricultural tools, forest tools, hardware tools

## Transportation

Application products: engine piston head, valve rod, cylinder head, crankshaft, drive shaft, chassis link rod, aero-engine turbine blade, landing gear, high-speed rail wheel Yi, hook delay, hook tongue, brake

## Metallurgy

Application products: steel mill roller, laminar flow roller, guide board, guide roller, clip delivery roller, transfer roller, large disc saw, running wheel, drum

# Workpieces



Marine



Diesel engine crankshaft



Diesel engine piston head



Sprocket 3D with shape



Coal machine cutting bit



Hydraulic rod



Mould



Mould seam



Mould inner wall



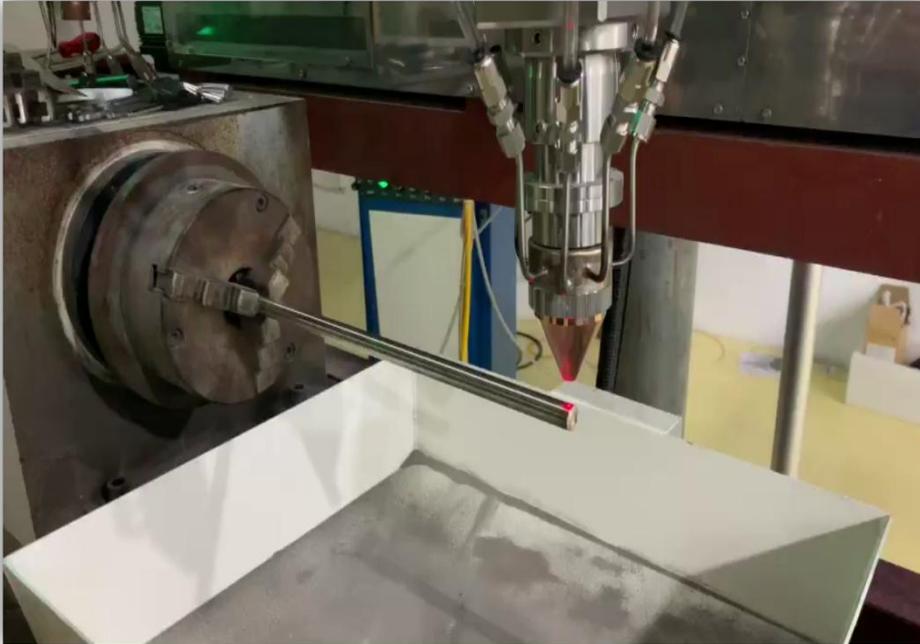
Mill roller



Plunger chip



Mould of bottle bottom



Power: 6000KW  
Base material: 65Mn  
Cladding material: wear-resistant powder  
Size:  $\phi 14\text{mm} * 300\text{mm}$   
Thickness: 0.25mm  
Length: 225mm  
Hardness: HRC65.36  
Speed: 420 mm/s  
Efficiency: 1.6m<sup>2</sup>/h  
Completion time: 31s

**The Product has been stable working with 3,000 pieces. The wear resistance meets the customer' s requirement.**



Power: 6000KW  
Base Material: 40Cr  
Repair parts: oil sealing level  
Size:  $\phi 400\text{mm} * 400\text{mm}$   
Thickness: 2mm  
Roller surface area: 0.5m<sup>2</sup>  
Efficiency: 0.25m<sup>2</sup> / h  
Completion time: 2h

**No crack and no peeling after cladding Return to the original size after fine grinding, and the hardness meets the requirements of the drawing It is currently being used steadily for 8 months without any abnormality.**

## ●Complete and meticulous service

Professional engineer service, free technical support throughout the year

## ●Product quality assurance

Professional manufacturers, strict in compliance with standards

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