

Automatic Robot-assisted Models (Laser Cladding Machine)

New Metallurgical Bonding Technology
for Metal Surface Modification

Laser power: 6kW

Workpiece length: 6000mm

- ✓ 6-axis linkage industrial robot, to clad large-sized workpieces
- ✓ High-speed laser cladding head+dual-cylinder pneumatic power feeder
- ✓ CW/pulsed laser, to make sure of quality while cladding metals of different types
- ✓ Easy to move, supporting users' demands of cladding on the spot
- ✓ Clad both metals of simple surface like axial and planar type, and of complex-shaped surface incl. curved and spherical style



Main Parameters	SFR6063	SFMR02
Laser Power (kW)	6	6
Max Road of Robot (kg)	25	25
Coverage Area of Robot (mm)	1831	1831
Cladding Thickness (mm)	0.1-1.5	/
Max Length of Workpiece (mm)	6000	/
Load of Rotary Table (t)	3-15	/
Max Clamping Workpiece (mm)	Φ630	/
Max Rotating Workpiece (mm)	Φ1500	/
Powder Size (um)	20-250	20-300
Max Powder Feeding Speed (g/min)	200	150
Powder Feeding Error	≤±1%	≤1%
Power Supply	Three-phase 380V, 50Hz/60Hz (custom-made)	

Fully-enclosed Model (Laser Cladding Machine) New Metallurgical Bonding Technology for Metal Surface Modification

SFHS Series

Laser power: 6kW

Workpiece length: 3000mm

- ✓ Fully-enclosed structure to prevent dust diffusion and staff intrusion, safe and eco-friendly
- ✓ High-speed laser cladding head, with a variety of cladding crafts
- ✓ Dual-cylinder pneumatic power feeder for stable and efficient powder feeding
- ✓ High-strength mechanical assembly, extending service life of itself and inner components
- ✓ User-friendly design of multiple doors available, to facilitate your repair and maintenance



Main Parameters	SFHS3050
Laser Power (kW)	6
Max Length of Workpiece (mm)	3000
Load of Rotary Table (t)	2
Max Clamping Workpiece (mm)	Φ630
Max Rotating Workpiece (mm)	Φ800
Powder Size (um)	20-300
Max Powder Feeding Speed (g/min)	150
Powder Feeding Error	≤1%
Power Supply	Three-phase 380V, 50Hz/60Hz (custom-made)

Open-style Model (Laser Cladding Machine)

New Metallurgical Bonding Technology for Metal Surface Modification

SFH Series

Laser power: 6-12kW

Workpiece length: 3000mm

- ✓ Clad at fast speed and high quality because of its high power
- ✓ Open-style structure, giving a sweeping view of cladding process
- ✓ Dual-cylinder pneumatic power feeder for stable and efficient powder feeding
- ✓ Intelligent control system, taking an integrated control of key components
- ✓ Special voltage stabilizer, to smooth out current fluctuation and make your work as usual



Main Parameters	SFH3050
Laser Power (kW)	6-12
Max Length of Workpiece (mm)	3000
Load of Rotary Table (t)	2
Max Clamping Workpiece (mm)	Φ630-800
Max Rotating Workpiece (mm)	Φ800
Powder Size (um)	20-300
Max Powder Feeding Speed (g/min)	150
Powder Feeding Error	≤1%
Power Supply	Three-phase 380V, 50Hz/60Hz (custom-made)