

NXT
NEXT WELDING TOOLS



LS-1000
RAYCUS FIBER LASER
CLEANING MACHINE

optical
OSL
www.osl.com



Technical Parameters:

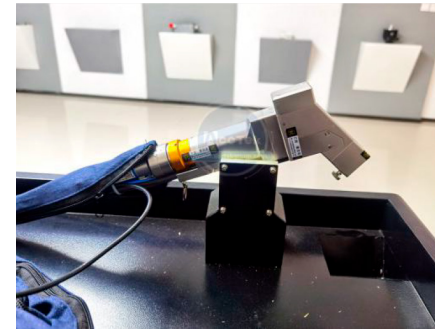
1-CONFIGURATIONS & TECHNICAL PARAMETER

Laser Type	Fiber
Pulse Formation	Q-Switched (Quality factor)
Average Power (W)	1000W Raycu
Average Power (W), Output Range(If adjustable)	0-1000
Laser wavelength	1064nm
Pulse-Frequency (KHz),Range	30-80
Cleaning efficiency (m2/h)	12
Scanning Width (mm)	10~80
Expected Focal Distance(mm)	160mm
Fiber Length (m)	10m
Cooling Typ	Water cooling
Input Power	Single Phase 220V, 50/
Current	14A
Power Consumption (W)	6000W (including Chiller)
Machine Dimensions(mm3)	1450x630x1000mm
Gross Weight	240 k

PRODUCT SIZE:



Standard feature:



Cleaning head



Professional industry water chill



Raycus laser source



Touch screen control system and keys

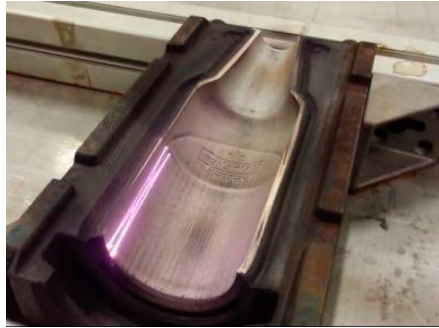


Protect lens



Protective glass

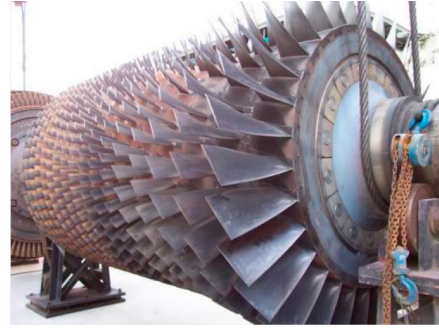
Samples:



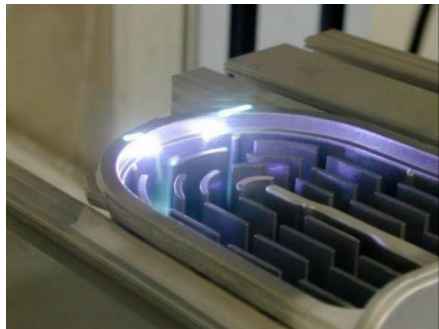
Mould Degrease Cleaning



Soldering Seam Cleaning



Rotor Blades Rust Cleaning



Spare Parts Oxidation Film Cleaning



Soldering Seam Cleaning



Castings Paint Removal



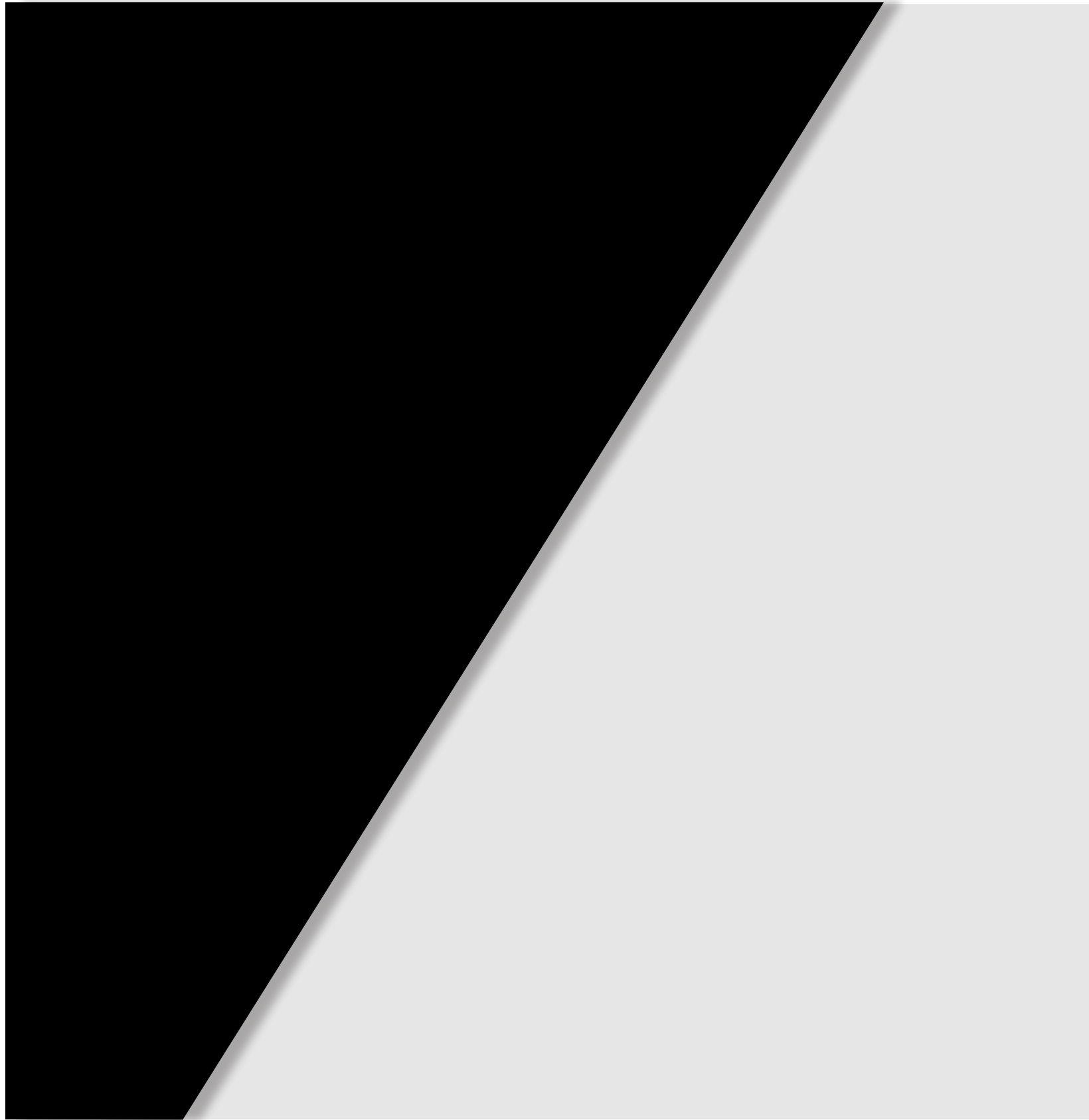
High-Speed Railway Track Rust Cleaning



Gear Wheel Rust Cleaning



Powder coating remove



More details:

	TYPE	TRANDITIONAL ARC WELDING	LASER WELDING
WELDING QUALITY	Heat input	High	Low
	Workpiece deformation	Large	Small
	Welds forming	Fish scale	Smooth
	Post-processing	Polish	None
OPERATION	Welding speed	Slow	Fast
	Operation difficult	High	Low
ENVIRONMENT SAFETY	Personal harm	Large	Small
	Environmental pollution	Heavy	Light
RUNNING COST	Consumables	Welding rod	None
	Energy consumed	Low	Low
	Welder requirments	High	Low
	Occupied area	Small	Small

Models:
Laser welding HGLW 1000W

HGLW	1000W		
MATERIAL	Stainless steel	mild steel or galvanized	Aluminium
MAX THICKNESS (MM)	2.5	2.5	2

Laser welding HGLW 1500W

HGLW	1500W		
MATERIAL	Stainless steel	mild steel or galvanized	Aluminium
MAX THICKNESS (MM)	4	3.5	3

Laser welding HGLW 2000W

HGLW	2000W		
MATERIAL	Stainless steel	mild steel or galvanized	Aluminium
MAX THICKNESS (MM)	6	5	4



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