Mobile Laser Welding System

SW-MLW Series



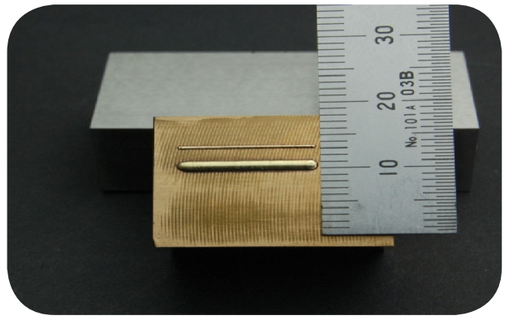


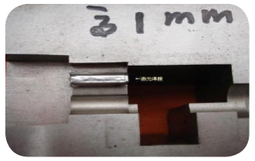


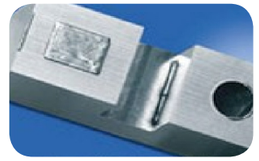
Application

This is laser mould welding workstations specialized for mould repair, for the all tooling steels. With our laser welding system, we can carry out modifications and repair of any moulds and dies, which include: bending tools, recasting tools, cold punching dies, hot runner nozzles, titanium alloys, aluminium mould, Cu-electrodes, and coated surface, and the narrow gap, cavity, or the deep hole, which is easy to process by laser welding machine.

SAMPLES



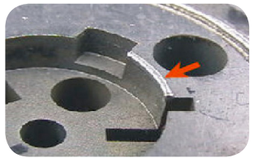




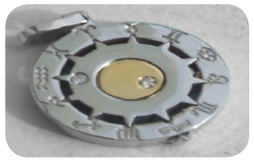














MODEL TYPE	SW-MLW200	SW-MLW300	SW-MLW400
MAX.OUTPUT POWER	200W	300W	400W
LASER WAVELENGTH		1064nm	
MAX.PULSE FREQUENCY	⩽ 50Hz	⩽ 100Hz	⩽ 100Hz
PULSE WIDTH		0.1~20ms	
WELDING DEEPTH	⩽ 2.0mm	⩽ 3.0mm	⩽ 3.0mm
FOCAL DIAMETER		0.1~20mm	
WORKBENCH LOADING ABILITY		⩽ 200kg	
WORKBENCH TRAVEL DISTANCE		X:200mm, Y:100mm, Z: 200mm	
TRAVEL DISTANCE OF MOBILE ARM		(Normal system) X:400mm, Y:200mm,Z:700mm (Fiber system) X:100mm, Y:60mm, Z:700mm	
RATED POWER	⩽ 6kW	⩽ 12kW	⩽ 15kW
POWER SUPPLY	AC220V/50Hz	AC380V/50Hz/Phase	AC380V/50Hz/Phase
CONTROL SYSTEM		Microchip CPU	
COOLING SYSTEM		Water cooling	