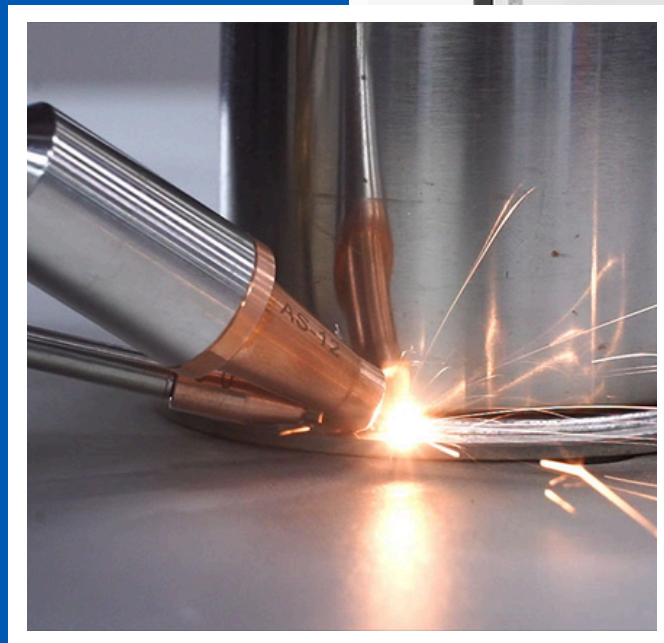
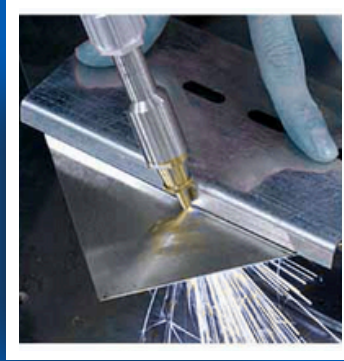


AW 4-IN-1 LASER WELDING MACHINE



Design Features

- **Lightweight Handheld Laser Head:** Weighing just 0.75kg (or under 1kg), this makes it more flexible and convenient to use, offering comfortable handling.
- **Red Light Aiming Assistance:** Helps improve processing precision by ensuring accurate alignment with the target area.
- **Interchangeable Copper Nozzles and Lenses:** Allows users to switch between different lens specifications for a variety of applications. The weld seam cleaning width reaches 10mm, with a 120mm rust removal width, and is ideal for cutting sheets 1-3mm thick.
- **Automatic Gas Control System:** Ensures precise gas flow control during welding to improve weld quality.
- **Efficient and Stable Laser Generator:** Guarantees stable output power, ensuring consistent welding speed and high-quality results.
- **Built-in Water Chiller:** Provides efficient cooling, maintaining the machine at optimal working temperatures.
- **10m Flexible Fiber Optic Cable:** Overcomes workspace constraints, enabling outdoor and long-distance welding.
- **Fully Automatic Wire Feeder:** Supports welding wire diameters from 0.8mm to 1.6mm, expanding the material range for welding. Simply switch to the wire-feeding nozzle for wire-fed welding.



4-IN-1 FUNCTIONS



Laser Welding

High-precision welding for thin to medium thickness materials with minimal heat affected zone.

- • Butt welding, overlap welding, fillet welding
- • Continuous and pulse welding modes
- • Automatic wire feeding system

Laser Cleaning

Environmentally friendly surface cleaning without chemicals or abrasives.

- • Rust and paint removal
- • Surface preparation for welding
- • No consumables required

Laser Cutting

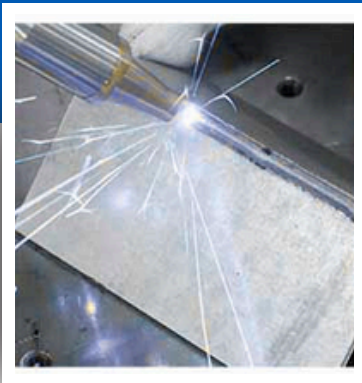
Clean, precise cutting for various materials with smooth edge finish.

- • Straight and contour cutting
- • No mechanical contact
- • Minimal material waste

Laser Cladding

Surface enhancement and repair through precise material deposition.

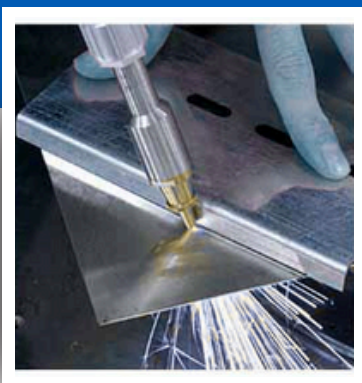
- • Wear resistance improvement
- • Corrosion protection
- • Component repair and restoration



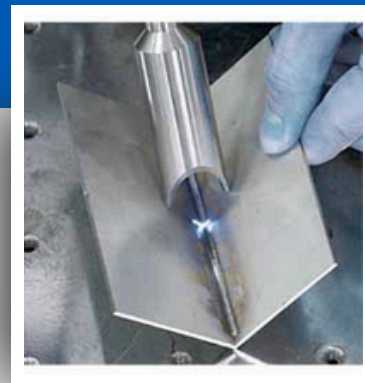
Welding



Cutting



Cleaning

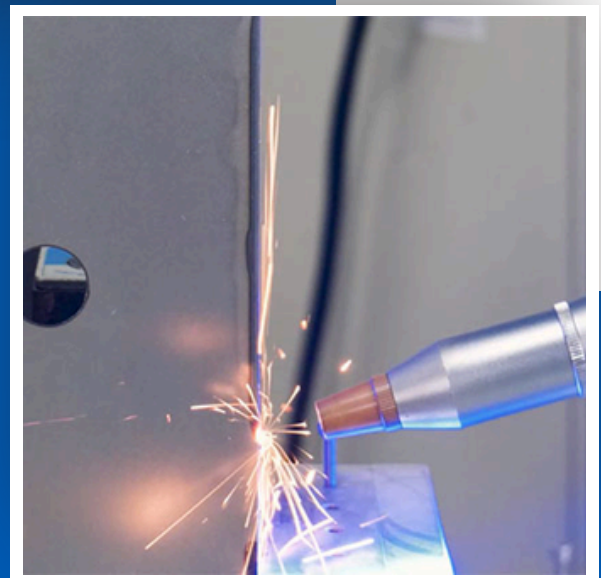
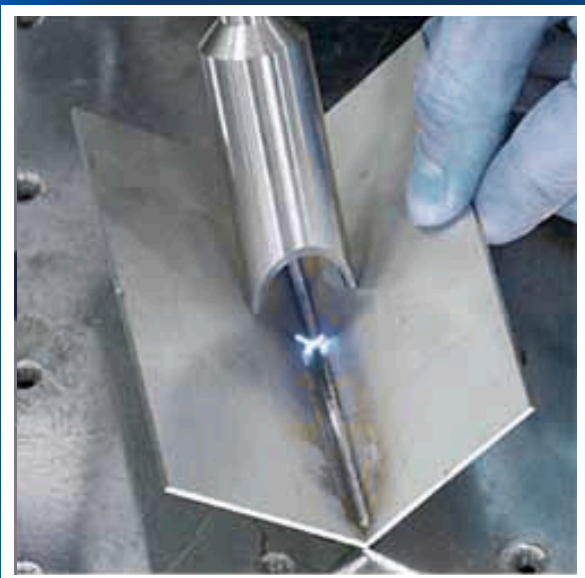


Cladding



TECHNICAL SPECIFICATIONS

Laser Power	1000W-2000W
Welding Speed	0.1-10m/min
Welding Thickness	0.1-6mm
Beam Quality	M ² <1.8
Wavelength	1070nm
Cooling System	Water Cooling
Power Consumption	3000W
Working Area	600x400x200mm
Positioning Accuracy	±0.02mm
Operating Temperature	10-40°C
Humidity	<85%
Power Supply	380V/50Hz
Weight	85kg
Dimensions	800x600x1200mm



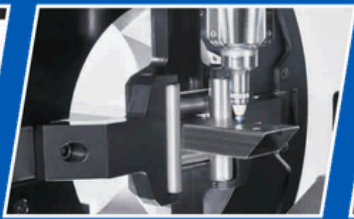


www.amaxindustries.com

INDIA'S BEST MANUFACTURER OF FIBER LASER CUTTING MACHINES



Sheet Cutting



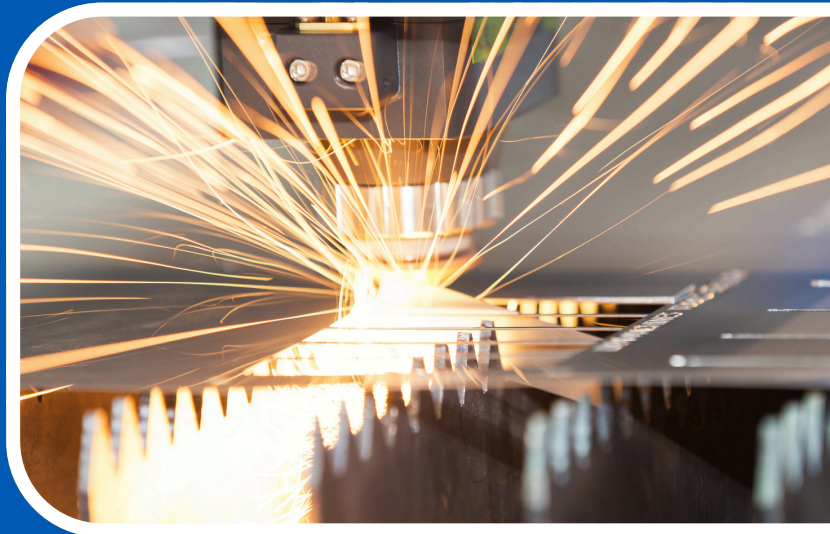
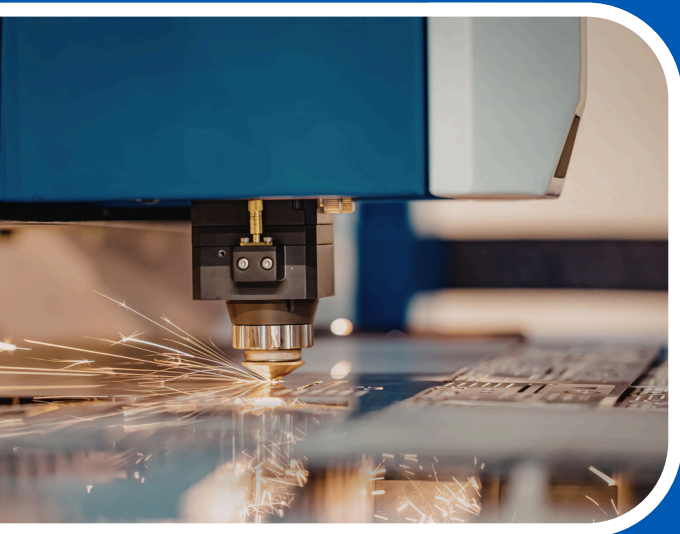
Tube Cutting



Laser Welding



QBH Splicing



Visit our
Website



Download This
catalogue



Download full
catalogue



C-70, INDUSTRIAL AREA,
MOHALI, PUNJAB, INDIA



9878695378, 9815533249



amaxindustries@yahoo.com