Complete Automtaic Laser Welded Chain Making Machine

SW-PFLW Series



Advantage and Application

Advantage

1. Can be equipped with a SIRMA 90 ° laser head or straight head.
2.Spot energy distribution is uniform and stable, no towline phenomenon.
3. Can weld 0.19-0.6mm diameter stainless steel, K gold, 925 silver, pure gold chain.
4. Imported British ceramic condenser cavity, anti-corrosion, heat resistant, life (8-10) years, xenon lamp life of more than 800 million times.
5. Non-contact processing, stress free, noiseless, no pollution to the environment, which belongs to the green processing.
6. High laser energy density, small thermal effect area, not easy deformation, less or no subsequent processing.
6. Good quality laser beam, high conversion efficiency, high welding speed.
7. Good welding quality, smooth and beautiful appearance.
8. Solder joints non-pollution, weld strength and toughness at least equivalent to or stronger than the base metal.
9. A variety of input and output signals are very easy to achieve the machine's automated production and assembly line production.

Application

Laser welding can be used in welding stainless steel, aluminum, copper, gold, silver, chromium, nickel, titanium and other metals or alloys, can also be used for a variety of welding between different materials, such as: copper - brass, titanium - gold, Titanium - molybdenum, nickel - copper and so on.
It can be applied to produce various chains, such as single clasp side chain, bismarck chain, curb chain, double chain, cross chain and twist chain.

SAMPLES



MODEL TYPE	SW-PFLW
LASER POWER	100W
LASER WAVELENGTH	1064
LASER SOURCE	Lamp pump
WELDING FREQUENCY	1-10HZ
SINGLE PULSE ENERGY	1-25J
FIBER CABLE CORE DIAMETER	0.3mm / 0.4mm / 0.6mm
FOCUS LENS	80mm / 100mm / 120mm
RATED POWER	⩽ 5kw
POWER SUPPLY	AC220V ± 10% 50 / 60HZ
COOLING SYSTEM	Water cooling
CONTROL SYSTEM	Microcomputer program control
WEIGHT	120kgs