

Laser welded Fin Tube Machine

General Introduction:

Laser welded finned tubes machine:

Item no. :SJ-700

Theory: Pulse

Electricity: AC

Usage: welding

Max. power: 750W

Max. Laser power: 700W

Laser welding depth: 0.1-1mm,

Laser dia.: 0.1-2.0mm

Laser welding frequency: 1-300Hz

Laser welded finned tubes (fin tubes) is our new development in fin tubes research, which is able to completely automatically, mechanically laser weld the fins to tubes with advanced welding quality, comparing to traditional high frequency welded helical (spiral) fin tubes.

The advantages of Laser welded finned tubes (fin tubes):

1. Laser welded finned tubes (fin tubes) finning machine has high automatic, the welding of fin to tubes and winding on tubes are made synchronously
2. 100% welding rate, Laser welded fin tubes has strong soundness between fins and tubes, welding strength is over 600MPa.
3. Laser welded tube finning machine has high precision up to 0.05mm
4. 0 contact resistance, high co-efficiency of heat transfer for spiral fin tubes by laser welding.
5. Save production cost. Laser welded finned tubes (fin tubes) has more small fin pitch, less than 2.5mm, its heat transfer area increase around 50% comparing to high frequency welded helical (spiral) fin tubes, which make material costs decrease largely as well as volume of heat exchanger.