

# JF Handheld Laser Welder Series

## HANDHELD LASER WELDING MACHINES

### Handheld Laser Welding (JF32 Water-Cooled)



| Type                          |                 | JF32-W1200                                                       | JF32-W1500 | JF32-W2000   | JF-W3000     |
|-------------------------------|-----------------|------------------------------------------------------------------|------------|--------------|--------------|
| Working voltage(V)            |                 | 1ph AC220V±5%                                                    |            |              | 3ph 380V±10% |
| Frequency(Hz)                 |                 | 50/60                                                            |            |              |              |
| Power(w)                      |                 | 1200                                                             | 1500       | 2000         | 3000         |
| Fiber length(m)               |                 | 10                                                               |            |              |              |
| Laser output head             |                 | QBH                                                              |            |              |              |
| Central wavelength(nm)        |                 | 1080±5                                                           |            |              |              |
| Tank capacity(L)              |                 | 10                                                               |            |              | 16           |
| Weldable Seam Gap             |                 | ≤1.6mm                                                           |            |              | ≤4.0mm       |
| Cooling method                |                 | Water cooled                                                     |            |              |              |
| Operating temperature range   |                 | 0~+40°C                                                          |            |              |              |
| Operating humidity            |                 | ≤70% at 40°C; ≤90% at 20°C                                       |            |              |              |
| Shield gas                    |                 | Argon/Nitrogen                                                   |            |              |              |
| Welding wire breadth(mm)      |                 | Ø0.8, 1.0, 1.2, 1.6, 2.0                                         |            |              |              |
| Maximum welding thickness(mm) | Stainless steel | 3.5                                                              | 4.0        | 6.0          | 8.0          |
|                               | Carbon steel    | 3.0                                                              | 3.5        | 6.0          | 7.0          |
|                               | Aluminum        | 2.5                                                              | 3.0        | 4.0          | 6.0          |
| Maximum cutting thickness(mm) | Stainless steel | 2.0                                                              | 3.0        | 5.0          | 8.0          |
|                               | Carbon steel    | 2.0                                                              | 3.0        | 5.0          | 8.0          |
|                               | Aluminum        | Not Applicable                                                   |            |              |              |
| Rusting cleaning wide(mm)     |                 | ≤120mm                                                           |            |              |              |
| Size(mm)                      |                 | 1030*520*840                                                     |            | 1160*620*960 |              |
| Weight(kg)                    |                 | 86                                                               | 91         |              | 147          |
| Suitable Welding Materials    |                 | Carbon Steel, Aluminium, Galvanized Plate, Stainless Steel, etc. |            |              |              |

Note: Welding parameters are for reference only. Actual parameters may deviate from the above values due to variations in welding wire diameter, weld seam width and other environmental and process factors.