

## HAND HELD LASER WELDING

### Salient Features

- The welding speed is 2-10 times faster than the traditional welding speed.
- It can help you to save at least two welders a year.
- Laser welding consumes less material and has a long-life.
- Easy to operate, no need welding work license
- New corner can also weld products beautifully.
- The welding seam is smooth and beautiful, which reduces the subsequent grinding process and saves time and cost.
- No deformation, no weld scar, welding firmly.
- Safer and more environmentally friendly.

### Welding Depth Data

| Power | Stainless Steel | Carbon Steel | Aluminum |
|-------|-----------------|--------------|----------|
| 1000W | 1.50 mm         | 1.50 mm      | 0.50 mm  |
| 1500W | 2.50 mm         | 2.50 mm      | 0.60 mm  |
| 2000W | 3.00 mm         | 3.00 mm      | 0.80 mm  |



Job Sample



LASER HANDLE

AUTOMATIC WIRE FEEDER

| Technical Specification     | Unit | JK-1000W                 | JK-1500W | JK-2000W              | JK-3000W |
|-----------------------------|------|--------------------------|----------|-----------------------|----------|
| Max. Energy of single pulse | J    | 100                      | 100      | 120                   | 125      |
| Laser Type                  |      | CW Continuous Laser      |          |                       |          |
| Laser wavelength            | nm   | 1064                     |          |                       |          |
| Laser welding frequency     | HZ   | 1000                     |          |                       |          |
| Laser spot diameter         | mm   | 0.40 - 2.00              |          |                       |          |
| Weld penetration            | mm   | 0.10 - 3.00              |          |                       |          |
| Power can be adjustable     | %    | 5 - 100                  |          |                       |          |
| Pulse width                 | ms   | 1                        |          |                       |          |
| Cooling water temperature   | deg. | <35                      |          |                       |          |
| Temperature protection      | deg. | 40                       |          |                       |          |
| Cooling water flow          | min. | 15                       |          |                       |          |
| Protective gas              |      | Nitrogen gas             |          |                       |          |
| Input power supply          | V    | Single Phase 220v / 50Hz |          | Three Phase 380v/50Hz |          |
| Machine weight              | kg   | 390                      | 390      | 420                   | 560      |

# OUR PRODUCTS RANGE



CNC EDM (Pg. No. 03)



CNC EDM (Pg. No. 04)



ZNC EDM DC SERVO (Pg. No. 05)



ZNC EDM AC SERVO (Pg. No. 06)



CNC DRILL EDM (Pg. No. 07)



DRILL EDM (Pg. No. 08)



CNC WIRE CUT DC STEPPER (Pg. No. 09)



CNC WIRE CUT AC SERVO (Pg. No. 10)



LASER WELDING (Pg. No. 11)



HAND HELD LASER (Pg. No. 12)



FIBER LASER CUTTING (Pg. No. 13)



LASER MARKING/ENGRAVING (Pg. No. 14)



MIRO TIG WELDING (Pg. No. 14)



CNC ENGRAVING (Pg. No. 15)



CNC ENGRAVING (Pg. No. 15)



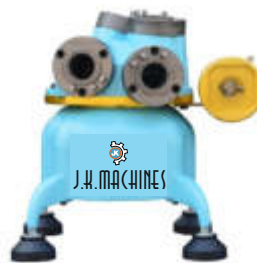
CNC ENGRAVING (Pg. No. 16)



CNC ENGRAVING (Pg. No. 16)



CNC WOOD ROUTER (Pg. No. 17)



END MILL GRINDER (Pg. No. 18)



DRILL BIT GRINDER (Pg. No. 18)



SINGLE LIP GRINDER (Pg. No. 18)



DIGITAL READOUT (Pg. No. 19)



CONSUMABLES/SPARES (Pg. No. 20)



VERTICAL MOULDING (Pg. No. 21)

**Registered Address :**

C-46, Mangolpuri Industrial Area,  
Phase-I, New Delhi-110083 (India)

 7529999900 / 9311003936

 [www.jkmachines.co](http://www.jkmachines.co)

[www.jkmachines.co.in](http://www.jkmachines.co.in)

 [jk.machines@hotmail.com](mailto:jk.machines@hotmail.com)

[info@jkmachines.co](mailto:info@jkmachines.co)



# J.K. MACHINES

Deals In industrial Machinery



FACEBOOK



INSTAGRAM



WHATSAPP



YOUTUBE

