

**Increase  
Productivity,  
Quality and  
Flexibility**



## CSW1250i

# Digital Automatic Submerged Arc Welding Machine

- Maximized deposition rate. 30% higher or more is feasible, using the same parameters
- Smaller angles and lower filler metal consumption
- Reduced heat input, minimized distortion and increased mechanical properties
- Penetration control to minimize the risk of lack of fusion
- Minimized magnetic arc blow
- Reduced arc interactions in multi-wire processes
- Control of bead shape • Excellent arc start
- Improved arc stability compared to traditional AC
- Substantially lower power consumption
- Reduced weld over thickness

### Submerged arc welding trolley

Horizontal adjustment is more stable, vertical adjustment is more convenient, wire feed reduction motor and cantilever are integrated design, column lifting range is large, conductive rod can be arbitrarily lengthened, flexible operation.

### Front panel function

Adjustable arc-striking current, current thrust and welding current knobs. Independent dual control system, realizing manual welding and carbon arc gouging at two workstations. Voltage and current can be displayed and the operation is intuitive and convenient.

### Internal design of power supply

Built-in IGBT module ensures stable welding current and attractive weld formation. Built-in protection circuits, such as overheating, overcurrent, overvoltage and closure, ensure safe operation. Optimized design of three air ducts for various harsh environments, greatly improving service life.

**MORE APPLICATIONS  
WAITING FOR YOU TO  
DISCOVER**





### Power Source Full Range Protection

- Overheat protection
- Overcurrent protection
- Overvoltage protection
- Undervoltage protection
- Phase detection protection
- Thermal protection

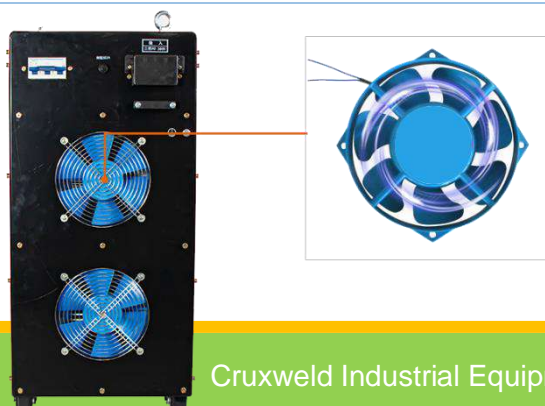
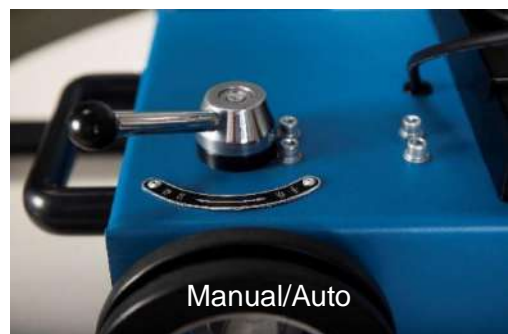
### Controller operation simple and intuitive

- Digital display
- Weld current, voltage, speed can be preset
- Touch sense makes arc start easier
- Flashback time
- Laser pointer
- Arc start success upto 100%

### SPECIFICATIONS

### CSW1250i

|                                      |                     |
|--------------------------------------|---------------------|
| Input voltage, V                     | 415 ±15%, 50/60Hz   |
| Rated input power, kVA               | 60                  |
| Rated input current, A               | 105                 |
| Output current range, A              | 60~1250             |
| Output voltage range, V              | 30~44               |
| No load voltage, V                   | 80                  |
| Duty cycle, %                        | 100                 |
| Applicable wire diameter, mm         | 2.4/3.2/4.0/5.0/6.0 |
| Suitable MMA electrode dia, mm       | 3.2, 4, 5 & 6.3     |
| Suitable Gouging electrode dia, mm   | Up to 12            |
| Wire feeding rate, m/min             | 0.5~2.5             |
| Power factor                         | 0.93                |
| Efficiency                           | 85%                 |
| Degree of protection                 | IP23                |
| Insulation                           | H                   |
| Adjustable angle of the welding head | 45°                 |
| Cooling method                       | Forced air          |
| Flux volume, L                       | 10                  |
| Wire reel capacity, kg               | 25                  |
| Dimensions, mm                       | 775x550x810         |
| Tractor weight, kg                   | 58                  |
| Weight, kg                           | 138                 |



Efficient exhaust cooling technology, industry innovation, whirlwind cooling technology, can be used for a long time.