

SAW HARDFACING (SUBMERGED ARC WELDING)



Submerged arc welding is a semiautomatic or fully automatic consumable electrode arc process in which the arc is protected by a granular, fusible flux which blankets the weld puddle and surrounds the base metal to protect it from the atmosphere.

Powder alloys can be added with the flux. This utilises the existing heat produced by SAW to melt powders and thereby increase deposition rates. The flux stabilises the arc, provides slag coverage, and also controls the properties of the deposit. Consumables are in the form of wire or strips. High deposition rates using current upto 2000 Amps in AC or DC mode, deep penetration, easy slag removal and smooth and excellent quality welds are common with this process. SAW is a highly productive process for surfacing large areas.

Fully automatic systems are used for heavy depositions in various areas such as surfacing continuous casting rolls, blast furnace bells, forging die block, inside of ball mill shell, etc.

Welding Automation Range of Products : • Welding Gun • Oscillator (weld weaver) • Cold wire feeders • Seam trackers • AVC • Cameras and video displays • X-Y slides (manual and motorized) • Welding turntables • Welding positioners • Welding Turning Rolls • Welding lathes • Column and boom (manipulators)

Represented by :



M/s. Aircraft Plasma Equipments (I) Pvt. Ltd.

124, Diamond Industrial Estate, Ketkipada, Near Check Naka, Dahisar (East), Mumbai- 400068. INDIA.

Ph : 00-91-22-28965890, 28965745, 28963247

Fax : 00-91-22-28966418

Email : aircraftplasma@gmail.com

Web : www.aircraftplasma.com

Note : Specifications subject to change without notice