

## Automatic Tank Welder – WGW 3M

The **WGW-3M** is a site-proven, easy-to-operate welding system specifically designed for efficient horizontal welding of large diameter storage tanks, ships hulls etc. Tank top travel is done by two powerful DC geared motors. The WGW-3M is designed to weld internal and external walls by submerged arc process. The WGW-3M fitted with the Uweld US-6 fully automatic welding heads, and powered by DC- 1000 welding rectifier. The WGW-3M incorporates a powerful 2 Hp extractor system feeding a 25 Kg capacity hopper located on the topside of the unit. The innovative flux support unit incorporates two knurled drive wheels and a specially designed flux belt system including efficient flux recycling of up to 95 percent



**Flux converter**



**Dual Motorized System**

### Ready-To-Weld Standard Package

- US-6 Sub-arc Welder.
- Lincoln DC-1000 Power Source.
- 50 Meter Cable Set.
- 100 kg Electric Winch.
- Flux Recovery/Replenishing Unit.
- High Temp. Flux Conveyor Belt.
- Full Canopy Weather Shield.

### Advantages

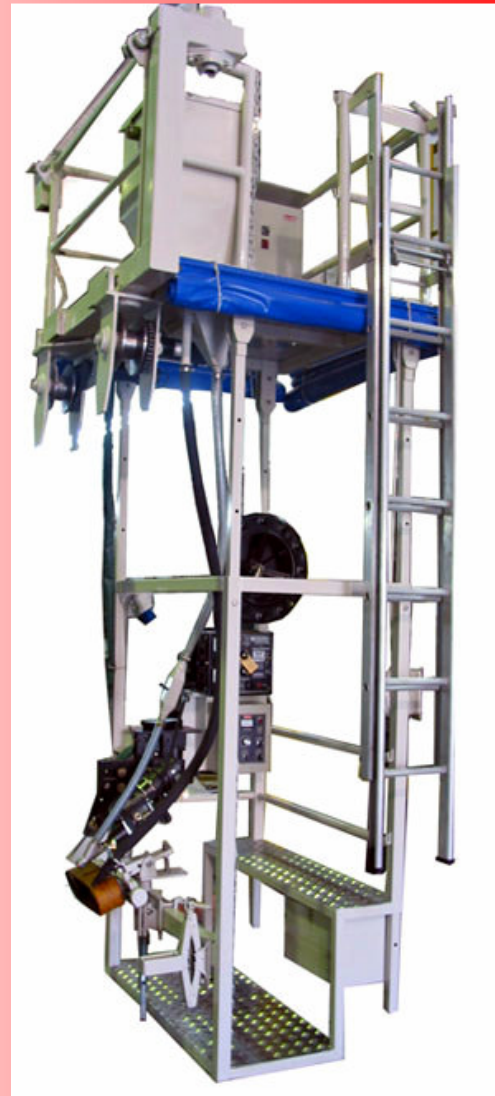
- Optimum production speed.
- Consistent X-ray quality with maximum penetration.
- Unique monitoring panel checks all functions.
- Fast, simple positive positioning.
- Heavy duty engineered for continuous duty cycle.
- Fully self-contained to reduce costly scaffolding

### Features

- Heavy duty motorized travel carriage.
- Telescopic legs for welding adjustments from 700mm to 3000mm.
- Welding head mounted on a motorized slide for vertical adjustment.
- Frame head designed for easy tank top loading.
- Safety cages, ladders handrails are featured, with floor and roofs of non-slip aluminium.

### Specifications

|   |               |
|---|---------------|
| <b>Welding Process</b>                    | Submerged Arc |
| <b>Electrode Diameter</b>                 | 2 ~ 4 mm      |
| <b>Flux Hopper Capability</b>             | 25 Kg         |
| <b>Minimum Diameter of Tank</b>           | 8,000 mm      |
| <b>Minimum &amp; Maximum Plate Height</b> | 700 ~ 2800 mm |
| <b>Maximum Plate Thickness</b>            | 45 mm         |



**WGW 3M**



**WGW 3M in operation**

*Note: Due to improvements, our design and specifications are subjected to change without prior notice.*