

## TABLE TOP CLADDING STATION



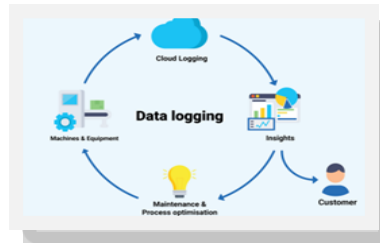
**Table Top Cladding Station** is a fully automated PLC based Hot Wire pulsed Tig cladding station which shall be fixed in the workshop.

There will be a water cooled Torch mounted on slides arcing with the rotating job and filler wires fed automatically in the weld pool.

The welding torches will be quick change (1G/2G) type which shall give total flexibility to the machine.

The welding parameters like current, voltage, welding speed, wire feed, step over etc will be programmable and controllable via PLC and will have overrides through a hand held wireless remote pendant.

## KEY FEATURES



- ◆ A lineup of high speed, high precision, **Servo drives with Ether CAT** communication. High resolution absolute multi-turn encoder & safety network built-in.
  - ◆ **HMI** with projected unbreakable glass capacitive touchscreen and the brilliant 10.1" widescreen display with resolution of 1280x800 guarantee great optical performance.
  - ◆ **IoT edge devices** with the combination of a powerful controller with networking capability.
  - ◆ Provides live, interactive display of multiple machine data from a remote location thanks to J mobile, Run time & CORVINA Cloud application.
  - ◆ Unique second generation **Inverter** type welding power source for reproducible welding results of the highest possible quality.
- Optimized for automated applications with Tetrix BUSINT X11 **Ether CAT** Industrial bus interface.
- ◆ Digital Gas flow & Water flow **sensors** with display on HMI for real time monitoring of Gas flow & Water temperature.
  - ◆ **Monitors and Records** essential variables such as Voltage, Current, Weld speed, Wire feed etc and other welding parameters like gas flow, water flow & temperature, Inter pass temperature etc allowing clients to control the process and produce reports.
  - ◆ **Wireless Pendant** for operations & real time display of essential weld parameters.
- User friendly software design.
- More flexible and reliable as compared to wired pendant.

## Machine & Component Specifications

- Process : Twin Hot wire Auto pulsed Tig
- Max Tilting of torch : 45 Deg either side
- Min Pipe dia : 42 mm x 400 long before cladding
- Min Pipe dia : 34 mm x 400 long after cladding in 2 layers
- Max Pipe dia : 500 mm
- Max Weight of the Component : 0.5 Ton
- Max loading capacity of the Component: Dia 500 mm x 400 long

## CLIENTELE



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