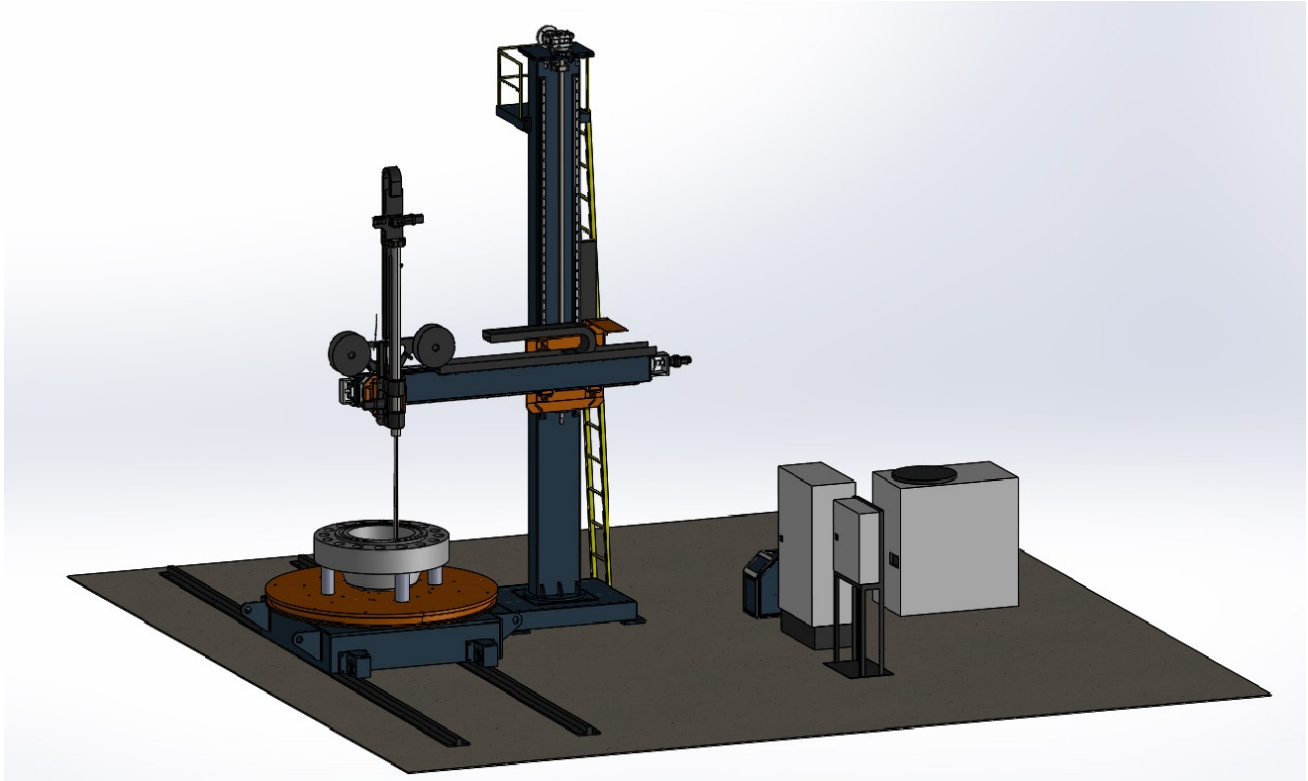


VERTICAL CLADDING STATION



Vertical Cladding Station is a fully automated PLC based Hot Wire pulsed Tig cladding machine 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.

Functions & Features

- ◆ Base & Bore cladding
- ◆ Auto AVC direction selection for ID & OD
- ◆ Auto AVC axis selection for 1G & 2G
- ◆ Auto speed compensation for taper bore & face cladding
- ◆ Virtual Pendant on HMI
- ◆ Touch Retract function for fixed HF distances and consistent starts



Cross Bore

05/15/20
02:29 PM

CROSS BORE SETTING

CROSS BORE PROGRAM
ENABLE

Cross bore Dia 320.0 MM

Cross bore Center Distance From Bottom (h) 270.0 MM

Cross bore Start 1.0 DEG

Cross bore Stop Offset 1.0 DEG

Cycle Starting Point (0) Should Be Right Opposite Side Of Cross bore.

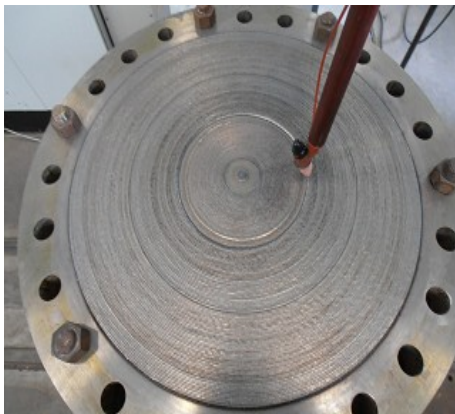
HOME
DATA
OPERATION
DISPLAY
ALARM

Once parameters are entered correctly and cycle start pressed, it will start cladding continuously from the bottom upwards until it reaches the bottom most point of the cross bore.

At this exact point the START STOP function will commence, starting and stopping at the precise locations i.e at the edge of the cross bore.

This will continue until the top most point of the bore before going back to continuous clad mode.

Capable of Welding Different Components



Machine & Component Specifications

- Process : Twin hot wire Auto pulsed Tig
- Min dia : 42 mm x 500 long before cladding
- Min dia : 34 mm x 500 long after cladding in 2 layers
- Max dia : 2000 mm x 2000 mm long
- Max loading capacity : Dia 2400 mm x 2500 long
- Max tilting of torch : 45 Deg either side
- Max weight : 7000 kg
- Column height : 4600 mm
- Max height with 'Z' slide up : 5600 mm
- Floor space : 7000 mm x 5000 mm

CLIENTELE



Head Office

122/2 , New Rajshree Industrial Premises,
Opp. Hyde Park, Manpada,
Thane—West, Maharashtra, India,
PIN — 400607



9619421789 / 9867363438



sreeni@sineautomation.com
sreeni.weldtrade@gmail.com

Factory Address

Plot no 1394, Shirol,
Shahapur, Dist. Thane,
Maharashtra, India,
PIN — 421602

