

(2) Stage II: I hlith cylinder key open the CD2 gas cylinder and adjust the CO2 gas regulator so that the gas output pressure to maintained at 0.25 leglam2. Switch on the power source by the on/off switch on the "MIGMATIC 250" welding machine in the panel. There down the "GAS CHECK" switch and encure the CO, gas supply in the gas line and release the switch. Select the welding voltage by tuning the voltage selector switch. Confirm the set voltage by pressing the "OCV CHECK" britch. This will show the reading on the voltmeter. Delect the welding current by adjusting the "view feed speed control potentionneter" on the wire feeder unit. The Ammeter will show the welding ament during actual welding . for 1.0mm dia . CCMS welding wice, the current is set at 80 amp. 3) Stage III: The MIG welding torch should be positioned on a rough wetal piece and the torch switch is pressed for checking

Then the torch is positioned over the joint to be welded on one end. Torch mitch is pressed and a tack welded. the spark. Similarly weld other end. Do the run welding on the strip joint by steadily maintaining the movement of the torch over the joint for uniform welding. Similarly do the welding on the other , side of the joint.

* PRE AND POST LAB QUESTIONS:

How does MIG welding differ from TIG welding? The Basic difference between MIG & 7161 welding is that one uses a consumable wire electrode (MIG) and the other (116) uses a non-consumable tungsten electrode.

A2. Which metals can be welded by M16 Welding?
Ans= (1) Carbon Steel (2) Stainless Steel (3) Aluminium (4) Magnesium (5) Copper (6) Mickel (7) Silicon Bronze.

Q3. Describe MIG Welding process.

Ans= MIG helding is an are welding process in which a continuous solid write electrode is fed through a welding gun and into the weld pool, joining the two base materials together.

AN= 1) Wed for most types of sheet metal welding. (2) fabrication of pressure vessels and steel structures (3) Antomotive industry and home improvement industry.

Q.S. Mention two advantages of MIG Welding.

Ans (1) Better weld pool visibility.
(2) No sub end losses or wasted man hours caused by changing electrodes.

Ans - Stick-out is the distance from the contact tip to the unmelted electrode end.

At. hist out the gases commonly used in MIGr Welding.

Ans = (1) Argon (2) Helium (3) Carbon dioxide (4) Oxygen.

P.T.0