PRODUCT DESCRIPTION

Microweld welding machine is the first arc welding machine that weighs 0.8 kilos and only 8 inches in length. It has all the features and function of conventional welding machine and even more.

The machine is very handy can be use in any weather conditions, it has all the advantages versus conventional welding machines in terms of power consumption, duty cycle, durability, maintenance etc.

The machine is also patent proof, it cannot be tampered or opened because it is made such way that once forcefully opened, all components and schematics inside will automatically crash leaving no trace of its schematics.

The machine will deliver high quality welding work with convenience, efficiency and economically.

ASSEMBLY:

CORD – SINGLE STRANDED WIRE

For operation:

1.) Connect lead wire of the welding machine from the live wire entrance or in Safety Fuse/Circuit Breaker before the safety Switch to the welding machine.

2.) In some territories, in the line ground 220V, connect it to the live line then weld. No need to install transformer

3.) Connect the work piece on the natural earth ground like gates, walls, deep well, any steel embedded deep in the cement can be a good source of grounding.

4.) Connect lead wire (wire going to your power source) to terminal 1, then wire going to your electrode holder to terminal 2, no polarity can be interchangeable.

5.) Weld

6.) Adjustment of power output by changing the wire that attaches the work piece and grounding. The thinner the wire the lesser the power output, the thicker the wire the higher the power output.

FEATURES:

- Super lightweight – 1 kg
- Powerful – 100 – 500 amperes
- Can do spot, cut and full weld, depending on the grounding system (i.e. steel bars, walls, gates, windows, trusses, etc.
- All purpose heavy duty welding machine
  Compatible to any kind of welding rods
  (stainless steel, cast iron, regular steel and super C2 welding rods.,
- 70%-80% LOwer electrical consumption
- WORLDS SMALLEST, measures 1.8 x 8.5 x 1.8 inches in dimensions.
- Convenient, safe and very easy to use
- 100% Duty cycle, no overheating even 24 hours of use
- 1 year warranty

BENEFITS:

VOLTAGE: 110,220,240,440 autovolt - our machine is universal in terms of voltage capacity and conducive to operate in any area.

WEIGHT and DIMENSIONS: 1.8 x 8.5 x 1.8 inches, 0.8kgs - The size and weight is the smallest known welding machine in the world.

Handy and very convenient to any welder compared to the big bulky industrial welding machines.

DUTY CYCLE: 100% - The machine can be used 24 hours non stop without overheating. Industrial welding machine has only 60% duty cycle and has to have an interval or rest period in terms of operation.

OPERATION and SAFETY - The machine can be used in any weather conditions, it uses a single wire and only taps one fuse, it will never cause any electrical shock.

ELECTRIC CONSUMPTION - Big Industrial welding machines need 25-30KW to generate a power of 400 amperes.

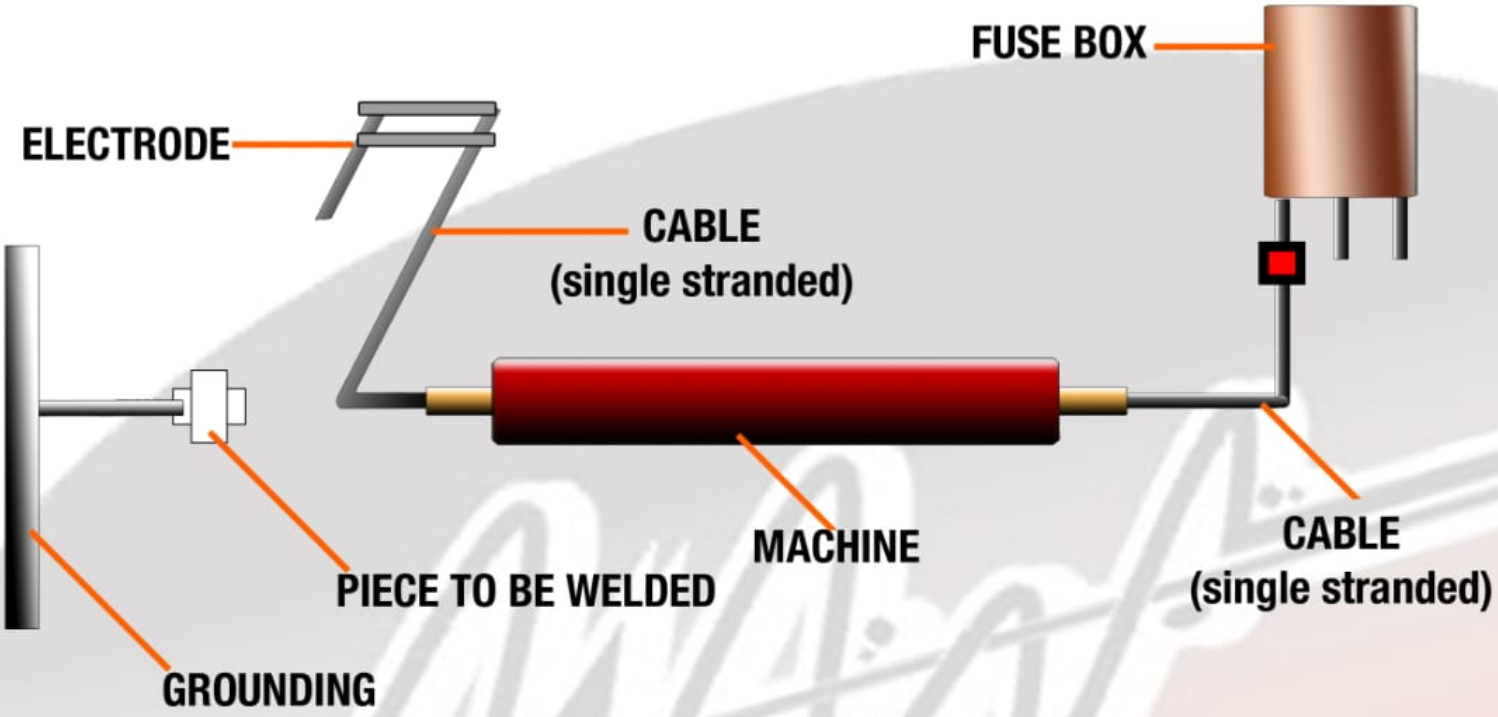
Our machine uses only 3-5KW to generate the power of 500 amperes. Save more than 80% of electricity.

MAINTENANCE - The machine is maintenance free. Very durable. Unlike the big and bulky welding machine that needs rewinding.

POWER : 100 - 500 amperes. Big industrial welding machine have the capacity of 150 to 300 amperes, our machine has the power variable of 100-500 amperes.

ELECTRODES USAGE: Our machine can use any kind of electrode (welding rods) unlike other welding machines that are very selective.

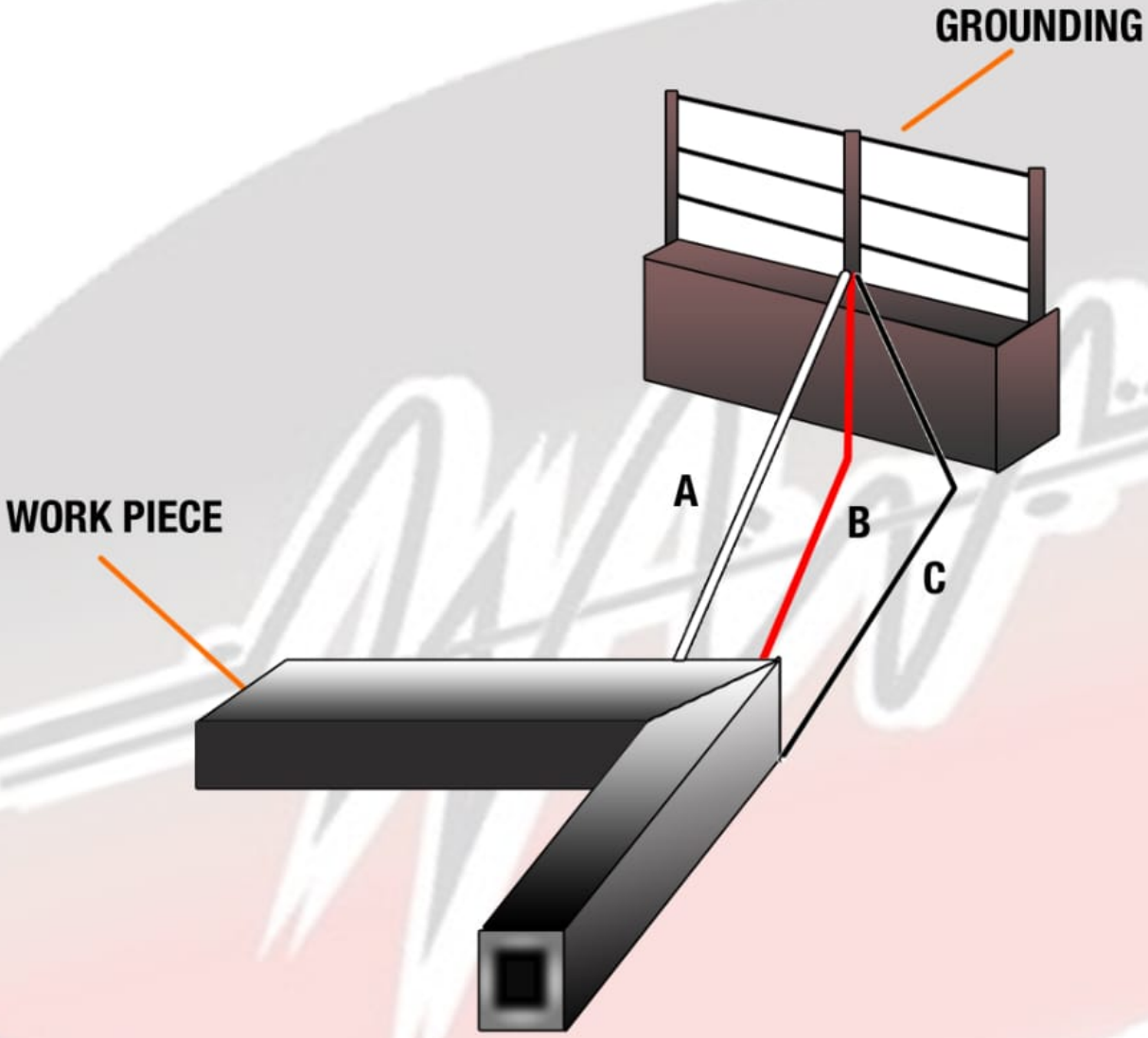
DIAGRAM 1:



1. Voltage (auto volt 110,120,220,240 and 440)
2. Power consumption 9 KW/hr
3. Frequency 60 HZ / 50 HZ
4. Dimensions 1.8 x 8.5 x 1.8 inches
5. Weight 0.8 kilos

DIAGRAM 2:

A = No.6 stranded wire for 500A power, cutting and full penetration
B= No.10 stranded wire for 250A-300A power, regular welding
C= No.16 stranded wire for 100A power, for thin metal sheets



Different sizes of wires with clamps to be attached to the grounding one at a time depending on the desired power output. The thicker the wire the higher the output, the thinner the wire the lower the output

EXAMPLES OF GOOD GROUNDING

ANY STEEL PROPERLY EMBEDDED IN CONCRETE CAN SERVE AS GOOD GROUNDING