

OXY-1 HEAVY DUTY PORTABLE FLAME CUTTING MACHINE

A quality product from the house of high technology. Specially designed to meet your welding requirements. The machines are built to work under the extreme industrial/ field conditions. All products are designed, manufactured & tested under one roof to ensure the quality.



- ★ Straight line or circular cuts upto 180 mm thickness
- ★ Bevel cuts upto 90°
- ★ Internally asbestos lined body with fibre glass insulated circuit
- ★ Dynamically balanced armature for ultra smooth drive
- ★ Strong and solid construction for longer life
- ★ Precise control and proven performance

FEATURES

Body : The body of the carriage unit is of thick gauge pressed steel, and is painted by a special treatment. It is internally asbestos lined making OXY 1 more heat resistive and durable. It is fitted with precision and durable components for trouble free service.

Drive : The drive consists of a high performance universal type 1/20 HP, AC/ DC motor for 220 / 240 Volts, 50HZ of electric supply. The motor is mounted with a compact gear box of ratio 1: 576. It has a facility of forward and reverse operation. The motor is dynamically balance, fibre glass taped, and its wires and fibre glass insulated.

Control : The control circuit is also fibre glass insulated. The speed can be varied from 60mm / min to 600mm / min. Speed- Pressure Nozzle selection and control data for various plate thickness is printed on the machine itself for quick release.

Torch : Specially designed heavy duty injector type cutting torch. It works on oxygen and acetylene/ LPG with appropriate nozzles.

Torch Holder Assembly : This enable vertical and horizontal movement of the torch. Adjustment for bevel cutting from 0° to 90° can also be made easily. The system is simple and convenient. The adjustments can also be made while the machine is in motion.

Hose Clamp : This feature reduces hose dragging, and keeps hoses and cable in line with motion of the machine.

Straight Line Cutting : The machine runs on the standard aluminium rail track of 1.8 meters length. It does not require any special rail.

Circle Cutting Attachment : It consists of a radius bar, and weight block with a centre. It can be fixed from either side of the machine. For circle cutting the swivel wheel has to be unlocked. The machine can cut upto 1500 mm diameter.

Rail Track : The machine runs on a extruded aluminium track of 1.8 meters length.

SPECIFICATIONS	OPTIONAL ITEMS REQUIRED
Cutting Capacity : 5mm to 180mm	1. Single stage double gauge Oxygen Pressure Regulator 1 no
Bevels : 0° to 90°	2. Single stage double gauge Acetylene Pressure Regulator 1 no
Straight cuts : 1.8 meters and Multiples	3. Red Hose Pipe for fuel 10 mtrs
Circle Cutting : 75mm dia to 150mm Dia	4. Blue Hose Pipe for Oxygen 10 mtrs
Cutting Speed : 60mm / min to 600mm/min (variable)	5. Hose Clips to suit Hose Pipes 8 nos
Torch Adjustment : Vertical 70mm Horizontal-85mm	6. Gas Lighter 1 no
Voltage : 220 / 250 Volts, AC/ DC, 50Hz	7. Cylinder Key 1 no
Maximum Current : 0.35 amperes	8. Cylinder Spanner Set 1 no
Fuse : Bottle Type- 500mA	9. Hand Gloves 1 Set
Dimensions : 480mm X 250mm X 220mm	10. Goggles 1 Set
Weight : 12 Kg	11. Circle Cutting attachment 1 Set
Hose Connection : 1/4 " G(Fuel gas LH & Oxygen RH)	12. Aluminium Trach of 1.8 mtrs length 1 no



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Technical specifications are subjected to change because of continuous updation of product for better performance.