

**ISO**
Certified

Oxy 70

Portable Flame Cutting Machine

- ◎ Straight line or Circular cuts upto 70 mm thickness.
- ◎ Bevel cuts upto 45 degrees.
- ◎ Dynamically balanced armature for ultra smooth drive.
- ◎ Counter balancing enables larger torch - machine distance.
- ◎ Can cut circles upto 1200mm diameter.
- ◎ Precise control and proven performance.

Features

Body: The body of the carriage unit is made of pressed steel and is fitted with precision, durable and heat Resisting components for trouble free service. The body is painted after special treatment in Golden Yellow colour.

Drive: The drive consist of a high performance universal type 1/20 HP, AC/DC motor for 220/240 volts, 50 Hz of electric supply. The motor is mounted with a compact gear box of ratio 1:288. It has a facility of forward and reverse operation. The armature is dynamically balanced.

Control: Forward/Off/Reverse type switch is located below the speed control knob for easy and quick operation. The speed can be varied from 60 to 600 mm/min to suit the nature of cutting. Speed-Pressure-Nozzle selection and control data for various plate thickness is printed on the machine itself for quick reference. The speed of the machine can also be increased or decreased while cutting is in progress, this feature is very advantageous when starting and finishing the cut.

Torch: Specially designed heavy duty Injector type cutting torch to prevent backfire. It works on Oxygen and Acetylene or LPG with appropriate nozzles.

Torch Holder Assembly: This enables vertical and horizontal movement of the torch. Adjustment for bevel cutting from 0 to 45 degrees can also be made easily. The system is simple and convenient. The adjustments can also be made while the machine is in motion.

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 from 75 mm to 1200 mm diameters.

Rail Track: The machine runs on an extruded aluminum track of 1.8 meters Length.

Specifications

- **Cutting Capacity** : 5 mm to 70 mm.
- **Bevels** : 0 to 45 degrees .
- **Straight Cuts** : 1.8 meters and multiples.
- **Circle Cutting** : 75 mm dia to 1200 mm dia.
- **Cutting Speed** : 60 mm/min to 600 mm/min [variable]
- **Torch Adjustment** : Vertical-70 mm Horizontal-85 mm
- **Voltage** : 220/250 Volts, AC/DC, 50 Hz.
- **Maximum Current** : 0.35 Amperes.
- **Fuse** : Bottle type - 500 mA..
- **Hose Connection** : 1/4 " G [Fuel gas LH & Oxygen RH]
- **Dimensions** : 430 mm x 250 mm x 220 mm.
- **Weight** : 9.5 kgs

Standard Accessories

- Cutting Torch with Holder - 1set.
- Circle Cutting Attachments - 1set.
- Spanners - 2 nos..
- Nozzles - 2 nos.
- Nut -Nipples - 2 nos.
- Bottle Fuses - 2 nos.
- Aluminium Rail - 1No.

Optional Items

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|---------------------------------------------|-------------------------------------------------------|
| 1. 1S2g Oxygen Pressure Regulator . - 1 no | 8. Cylinder Spanner Set - 1 no |
| 2. 1S2g Acetylene Pressure Regulator - 1 no | 9. Hand Gloves - 1 Set |
| 3. Red Hose Pipe for Fuel - 10 Mtrs. | 10. Goggles - 1 Set. |
| 4. Blue Hose Pipe for Oxygen - 10 Mtrs. | 11. Flash back arrestors for torch - 1 Set. |
| 5. Hose Clips to Suit Hose Pipes - 8 nos | 12. Flash back arrestors for Oxygen Regulator - 1 no. |
| 6. Gas Lighter - 1 no | 13. Flash Back Arrestor for Fuel Gas Regulator- 1no. |
| 7. Cylinder Key - 1 no | |