

GC-30
STRAIGHT
LINE-SERIES



Chafer GC-30

ECONOMIC PORTABLE CUTTING MACHINE

GC-30 Chafer

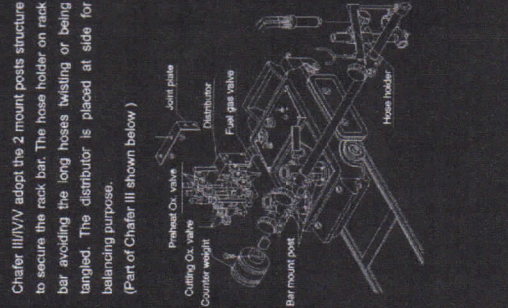
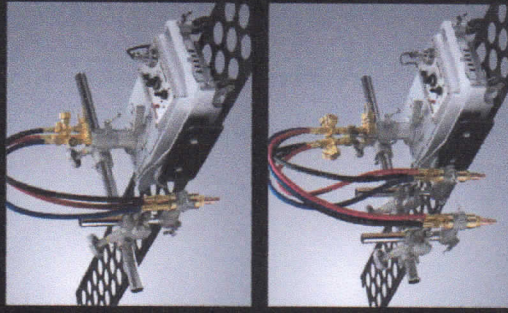
Economic Portable Cutting Machine

PART 1 Unique mechanism

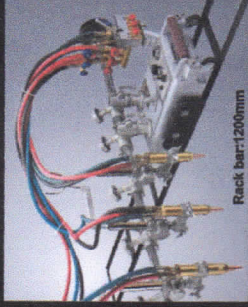
The machine is a very economic portable cutting machine by simple but durable structure. This machine can be installed with multiple torches for more choice. It applies for all types of straight line, circle, and bevel cutting by oxy-fuel flame (Acetylene or Propane) tips.

Features & benefits

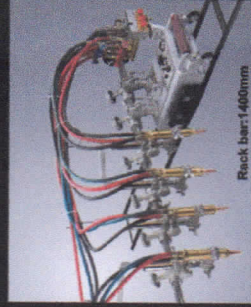
Compact structure- Strong and compact main body made of Al-alloy.
Easy handling - Silicon-controllable speed regulation; One touch snap valve on pipeline unit for quick gas control.
Circle cutting- Adjustable radius bar for circle cutting.



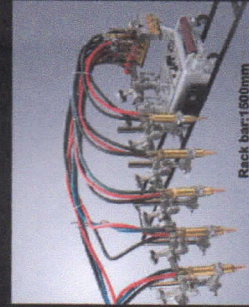
Chafer III/IV adopt the 2 mount posts structure to secure the rack bar. The hose holder on rack bar avoiding the long hoses twisting or being tangled. The distributor is placed at side for balancing purpose.
(Part of Chafer III shown below)



Rack bar:1200mm



Rack bar:400mm



Rack bar:600mm

Standard configuration

GC-30 (Chafer) • GC-30II (Chafer II)						
Model No.	Overall dimension(mm)	Cutting thickness (mm)	Cutting speed(mm/min)	Cutting Circle (φ mm)	Torch number	Weight (kg)
Chafer	470×230×240	6-100	50-750	200-2,000	1	16
Chafer II	470×230×240	6-100	50-750	200-2,000	2	21

Multi-torch Chafer Economic Portable Cutting Machine

Model No.	Overall dimension(mm)	Cutting thickness (mm)	Cutting speed(mm/min)	Cutting width (mm)	Torch number	Weight (kg)
Chafer III	470×230×240	6-50mm	50-750	70-1,000	3	35
Chafer IV	470×230×240	6-50mm	50-750	70-1,100	4	40
Chafer V	470×230×240	6-50mm	50-750	70-1,300	5	50

Economic Portable Cutting Machine

PART 2 Cutting torch unit or W/Torch floating system



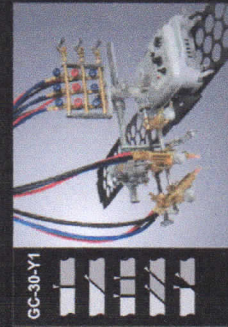
GC-30-1F

GC-30-1F For Square or V-Bevel Cutting:
Single torch unit equipped with a plate rider having floating function to maintain distance between tip and workpiece. Standard pipe arm length: 600mm. Vertical axis steel pipe. Vertical adjustment up to 130mm.

GC-30-2F For Square, V, Y or X Bevel Cutting:
Two torch model equipped with two plate riders having floating function to maintain distance between tip and workpiece. Standard pipe arm length: 600mm. Vertical axis steel pipe. Balance weight attached. Bevel and parallel cutting possible.



GC-30-Y2



GC-30-Y1

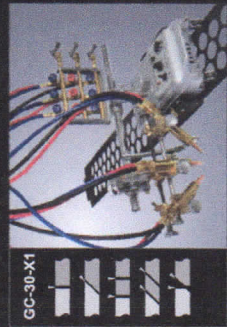
GC-30-Y1 (V-Cutting Unit) For Square, V, Y or X-Bevel Cutting:
A combination unit of plate rider having floating function and 2 torches or V bevel block. Can and sharp bevel V, Y and X cutting is ensured.

GC-30-Y2 (W Floating function) available
GC-30-X1 (GC-30-X2) (X-Cutting Unit) For Square, V, Y, X or V-Bevel Cutting:
Combination unit of plate rider having floating function and 2 torches or X bevel block. Precision X and Y Bevel Cutting.

GC-30-X2 (W Floating function) available
GC-30-P: Uses expandable torch holder for use with most plasma systems using remote conductors supplied by the plasma manufacturer.



GC-30-X3



GC-30-X1



GC-30-P



GC-30-X2

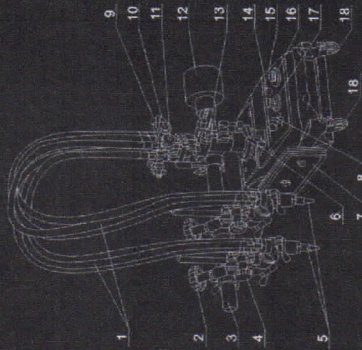


Economic Portable Cutting Machine

PART 3 Unique mechanism

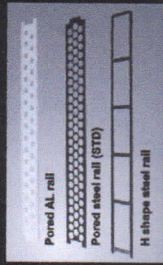
Standard configuration

- 1. Hose
- 2. Cross feed hand wheel
- 3. Cross rack bar
- 4. Lift hand wheel
- 5. Tip
- 6. Clutch handle
- 7. Heat shield plate
- 8. Forward / Backward switch
- 9. Fuel gas valve
- 10. Preheat valve
- 11. Cutting valve
- 12. Counter weight (All but single torch type)
- 13. Distributor
- 14. Fuse
- 15. Main unit
- 16. Power socket
- 17. Speed knob
- 18. Idle wheel



Chafer II shown
All models have similar configuration as above

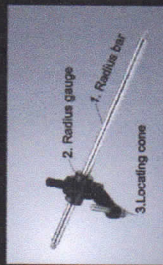
PART 4 Plate track and accessories



Standard configuration for all models
1pc 1.6m pored rails or 2pcs 1.6m H shape rails
3pcs lips (Acetylene or Propane)
1 set circular cutting attachment



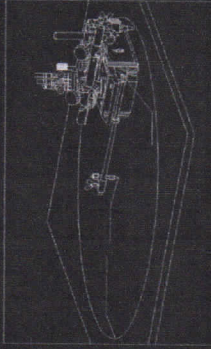
Plasma torch holder unit for Chafer Q
The machine is fitted with plasma torch holder for plasma cutting. The cutting speed is up to 50-4500mm. The plasma cutting is ideal for ferrous or non-ferrous such as Al plate, S.S plate cutting



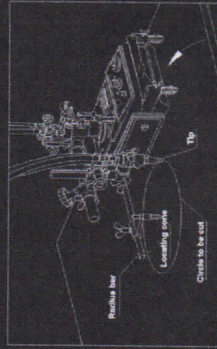
Circle/Arc Cutting attachment

Note: Make a center hole (slope 60°) at the circle center to fix the circle cutting attachment for both small or large circle cutting.
1. Insert the radius gauge Part 1 into the holes at the front of machine and tighten with M10 Nut.
2. Insert the radius gauge Part 2 onto the Radius bar Part 1, adjust the gauge location so that the locking cone Part 3 at the circle center hole, then locking the radius gauge with wing bolt. Adjust the fixing screw to lift the inboard drive wheel 1-2mm above the steel plate (304-304L) and tighten the screw.
3. Release the idle wheel by loosening the locking wing bolts so that the wheels rotate freely.
4. Install the torch vertically and make the tip align with the marking line, release the clutch and push the machine to check if the machine can go round the marking line.
5. Be cautious that the hose or cords might stumble while cutting. So pls arrange the hoses and power cords well before operation to make sure they won't cause any trouble.

Circle/Arc Cutting (with radius bar unit)



Small circle cutting



Large circle cutting