



WELDING & CUTTING



PT. Galaksi Metal Mesindo

Complete Range Welding & Cutting Equipment

JAKARTA :

Ruko Pulo Gadung Trade Centre
Blok 8A No. 22 Jl. Raya Bekasi Km. 12
Kawasan Industri P.T. JIEP
Jakarta Timur Indonesia
Telp. : (62 - 21) 4619808-10, 4619970-71,
 (62 - 21) 4619703
Fax : (62 - 21) 46632726
E-mail : galaksi.mt@centrin.net.id
 kimura_lasindo@hotmail.com

SEMARANG :

Kompleks Pertokoan Puri Anjasmoro
Blok H5 No. 54, Semarang
Telp. : (024) 7600356
Fax : (024) 7600356
E-mail : kastorsma@telkom.net

SURABAYA :

Ruko Permata Juanda
Blok A No. 81- 82,
Sedati Agung Sidoarjo 61253
Telp. : (031) 8677942
Fax : (031) 8677942
E-mail : otana@sby.centrin.net.id



KC-93 Condor

Versatile, Handy-type Cutting Machine

PART 1 Unique mechanism

The KC-93 Condor gas cutter is a portable gas cutting apparatus developed primarily for the purpose of high quality straight line, hand guided cutting. In addition to featuring high cutting quality, it also demonstrates unprecedented smooth operation and mobility. Designed with the emphasis on ease of operation, the trigger is placed higher to facilitate use at the inside or outside radius of curves and the unit features a convenient speed adjustment dial.

Features & benefits

Multiple Use Oxy-fuel Machine - Performs straight line, hand guide and circle oxy-fuel cutting

Pistol Shape Control Grip - Operator can control all functions including cutting oxygen, clutch operation and speed adjustment with just one hand

Circle cutting option - Radius bar cuts circles from 2" (50mm) to 22" (550mm)

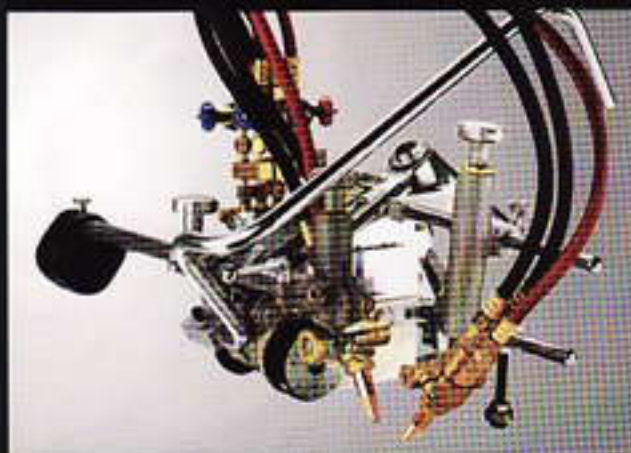
Extendable 1850mm (72") Track Selections - cut longer parts

Bevel Collar - Torch angle can be set from 0 to 45° with graduated bevel collar graduated bevel collar

Travel direction - Forward/Reverse

KC-93 H Edge-cut type.

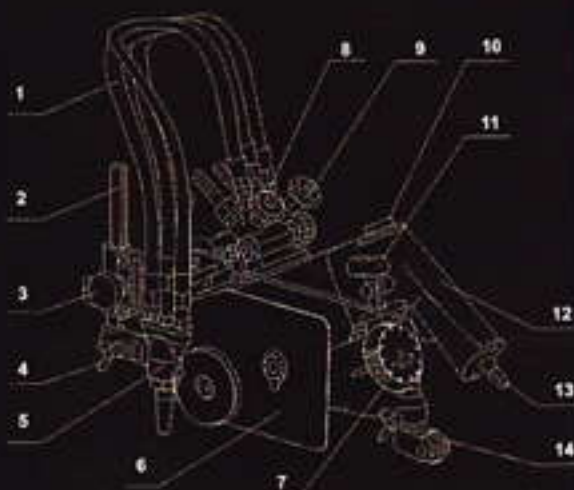
* Bevels plate edge at top and bottom up to 45° with tracer guide roller instead of guide track.



Light weight, Compact, Trackless Oxy-fuel Beveling

Designed cooperation with the shipbuilding industry to meet the need for simple, yet effective plate edge preparation. The machine performs high quality single or double bevels without the need for a track. V-Grooves essential to full penetration welds can be performed with just one pass. Ease of set up and constant speed ensure high quality cutting even during long distant cutting. The snap valve allows pre-setting of flames to reduce set up time while reducing gas waste.

Standard configuration



Shown is type A of KC-93

Both type A & B have similar structure

- | | |
|------------------------------|----------------------------|
| 1. Hose | 8. Gas valve |
| 2. Lift shaft | 9. Oxygen valve |
| 3. Lift handle | 10. Power socket |
| 4. Wing bolt for torch angle | 11. Cutting oxygen switch |
| 5. Torch | 12. Carrying handle |
| 6. Heat-shield plate | 13. Forward switch |
| 7. Speed dial | 14. Omni-directional wheel |

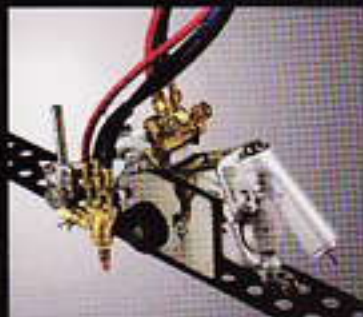
Technical specification

Model No.	Length	Wheel span	Cutting thickness	Cutting speed	Cutting circle	Weight (kg)
KC-93	330mm	100mm	5-100mm	100-1000mm/min	50-550mm	7.80
KC-93H	402mm	100mm	5-100mm	100-1000mm/min	50-550mm	12

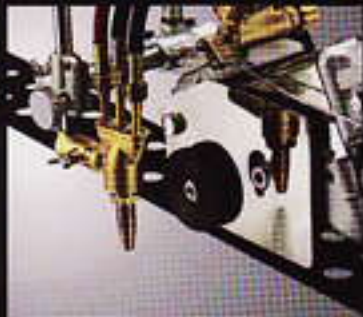


Versatile, Handy-type Cutting Machine

PART 2 Torch unit & Multiple purpose application



Standard KC-93(W) type A cutting unit



Type A cutting unit



Type B cutting unit



Edge-cut unit KC-93



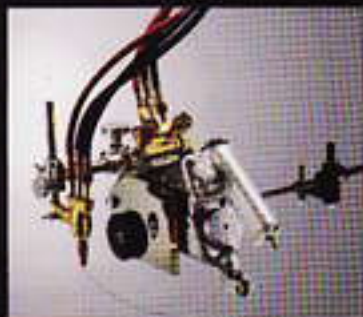
Detail double V-groove



Tracer guide roller



Bevel cut



Circle cut W/ radius bar unit



Curve cut by hand control



KC-93 Condor

Versatile, Handy-type Cutting Machine

PART 3 Application Instruction

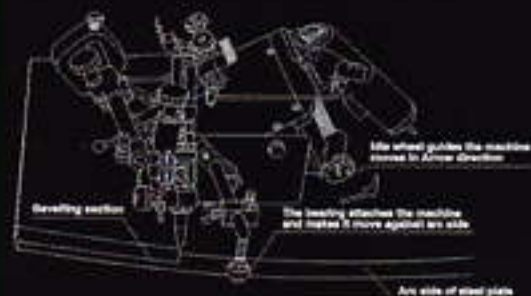
LINEAR CUTTING

In most case, guide rails are used for linear cutting. The guide rail can be extended by jointing each other for longer cutting.

CURVE SIDE BEVELING

KC-93 Features unique design for beveling easily large arc side with beveling locating unit. As shown in the diagram below.

Place first the bearing roller against the side arc of steel plate, adjust the idle wheel direction to make a certain angle between idle wheel and beveling section, then tighten by wing bolt. In this way, the machine will be imposed inward force during operation and to attach the machine firmly and travel steadily aligning the arc side. The beveling locate unit can be also used for linear cutting.



HAND GUIDE CUTTING

First score the path on the steel plate, and mark the intersection of a straight line and curve, adjusting cross feed handwheel to place the tip 30-50mm away from the drive wheel. release the clutch and move the machine to the start point and commence the cutting while keep the tip align with marking line. (As shown in diagram)



Note: Hand guide cutting needs more practices to make the best use of the machine

CIRCLE/ARC CUTTING (WITH CIRCULAR CUTTING ATTACHMENT)

Small circle cutting



Large circle cutting



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 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 locating 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 (3/64-5/64") 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 caution 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.



GC-30
STRAIGHT
LINE SERIES



WELDING & CUTTING

Chafer GC-30
ECONOMIC PORTABLE CUTTING MACHINE

Produced by GAZCUT Engineering Works Ltd.,



GC-30 Chafer

Economic Portable Cutting Machine

PART 1 Unique mechanism

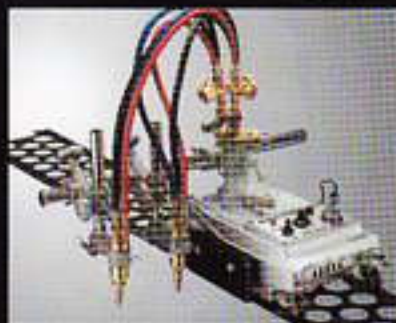
The machine is a very economic portable cutting machine by simple but durable structure. The machine can be installed with multiple torches for more choice. It applies for all types of straight line, circle, and bevel cutting by oxy-fuel flame (Acetylene or Propane) tips.

Features & benefits

Compact structure- Strong and compact main body made of Al-alloy

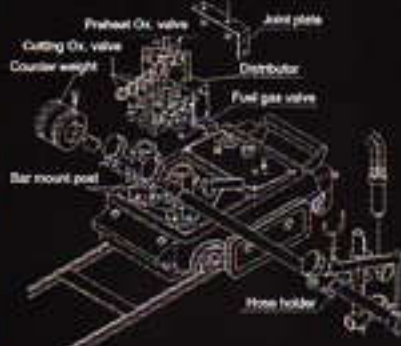
Easy handling - Silicon-controllable speed regulation; One touch snap valve on pipeline unit for quick gas control.

Circle cutting- Adjustable radius bar for circle cutting.



Chafer III/IV/V 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.

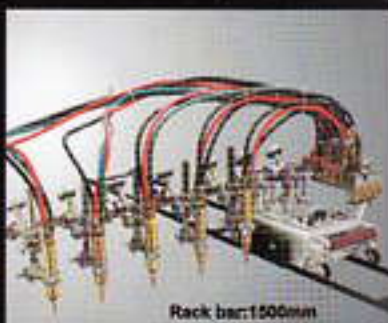
(Part of Chafer III shown below)



Rack bar:1200mm



Rack bar:1400mm



Rack bar:1500mm

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: 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. Balance weight attached. Bevel and parallel cutting possible.

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

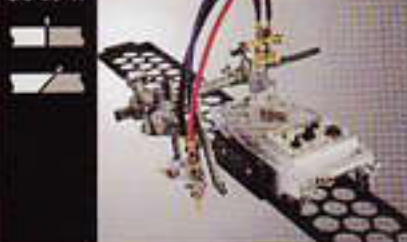
GC-30-Y2 (W/o floating function) available

GC-30-X1 / GC-30-X2 (X-Cutting Unit): For Square, V, Y, X or K-Bevel Cutting:
Combination unit of plate rider having floating function and 3 torches of X bevel block for precision X and K bevel cutting.

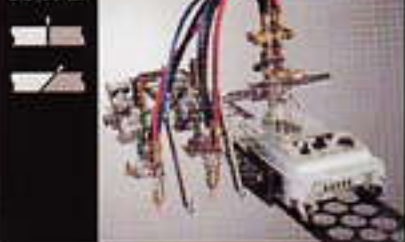
GC-30-X3 (W/o floating function) available

GC-30-P: Uses expandable torch holder for use with most plasma systems using remote pendant supplied by the plasma Manufacturer.

GC-30-1F



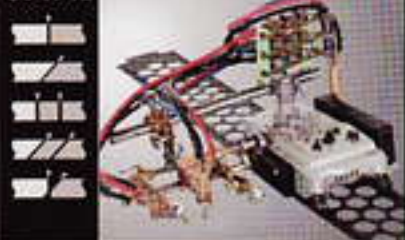
GC-30-2F



GC-30-Y1



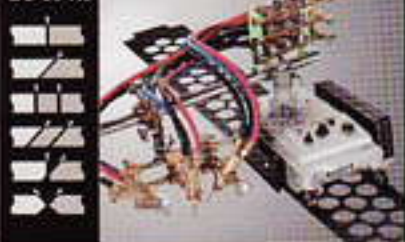
GC-30-Y2



GC-30-X1



GC-30-X3



GC-30-X2



GC-30-P





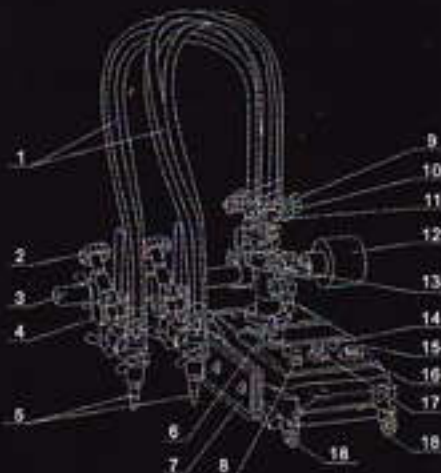
GC-30 Chafer

Economic Portable Cutting Machine

PART 3 Unique mechanism

Standard configuration

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



Chafer II shown

All models have similar configuration as above

PART 4 Plate track and accessories



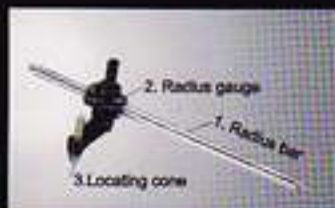
Standard configuration for all models

- 1pc 1.8m pored rails or 2pcs 1.8m H shape rails
- 3pcs tips (Acetylene or Propane)
- 1 set circular cutting attachment



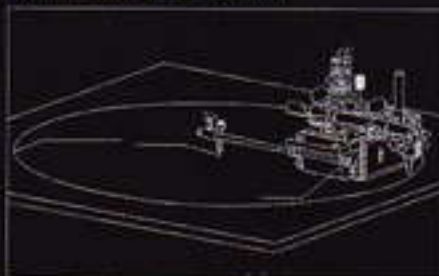
Plasma torch holder unit for Chafer Q

The machine is fitted with plasma torch holder for plasma cutting. The cutting speed is up to 60-4500mm, the plasma cutting is ideal for ferrous or non-ferrous such as Al plate, SS plate cutting



CircleArc Cutting attachment

CircleArc Cutting (with radius bar unit)



Small circle cutting



Large circle cutting

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 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 locating 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 (3/64-5/64") 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 caution 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.



GC2-150

PROFILING
SERIES



Monkey



WELDING & CUTTING

MONKEY GC2-150
OUTSIDE PROFILING CUTTING MACHINE

Produced by GAZCUT Engineering Works Ltd.,



GC2-150 Series Monkey, Ape, Bear

Outside Profiling Cutting Machine

GC2-150 Monkey, Standard type
GC2-150 Ape (Roll type)

These machines are primarily meant for cutting different shapes such as stars, hexagons, squares, rectangles, circles, triangles etc. It can also cut straight lines and bevel up to 45°.

GC2-150A Monkey A (Big size)
GC2-150T Bear (Thick plate type)

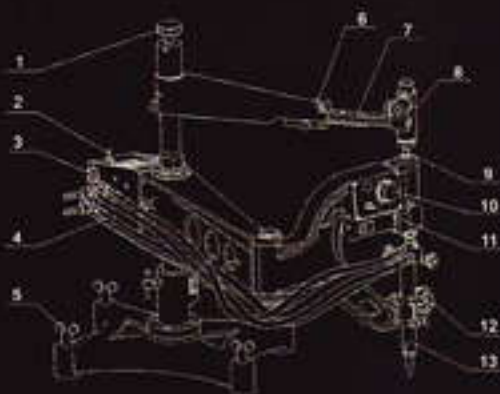
Features & benefits

- The motor driven Electro Magnetic Tracing Head on the carriage arm traces the profile on the template, this enables the torch to duplicate any intricate shape provided on the template of the machine.
- The machines are designed with pantograph type arms providing a direct line guiding system.
- A simple and accurate magnetic tracing system helps in maintaining repeatability of the flame cut parts.
- Precise ball and needle bearing design of hinges ensure free and frictionless tracing, enabling greater cutting accuracy.
- The speed of the machine can be varied with an indexed selector knob. The tracing head can be moved in clockwise or anticlockwise direction by a selector.
- Light weight, portable yet robust shape cutting machines suitable for on field jobs as well as for factories.



GC2-150

Standard configuration



1. Lift hand wheel for main shaft
2. Power switch
3. Power socket
4. Hose
5. Bottom fixing screw
6. Arm locking screw
7. Arm

8. Template holder
9. Magnet head
10. Speed control dial
11. Direction switch
12. Torch lift handwheel
13. Torch

Technical specification

Model	GC2-150/150R	GC2-150A	GC2-150T
Rectangle cutting area	400 × 900 mm 450 × 750 mm	340 × 1700 mm 500 × 1650 mm	400 × 900mm 450 × 750mm
Template position	mounted on template holder	mounted on template holder or Central Shaft	mounted on template holder
Square cutting area	500 × 500mm	1270 × 1270mm	500 × 500mm
Circle cutting area	± 20-600	± 20-1800	± 20-600
Max cutting length	1200mm	1650mm	1200mm
Max. cutting thickness	100 mm	100mm	200mm
Cutting speed with 12.7 mm tracer	100 to 750 mm/min		
Control	S.C.R Control		
Torch	Injector Type to suit Acetylene / LPG		
Gross weight	57.62kg	62kg	59kg
Dimensions (mm)	1190 × 335 × 800/870	1390 × 335 × 800	1190 × 335 × 1000

GC2-150 Series Monkey, Ape Bear



Outside Profiling Cutting Machine



GC2-150R



GC2-150A



GC2-150T

Circle Cutting Unit Installation



STEPS AS BELOW:

1. Loose Part 1 (Nut) and dismantle Part 2. Part 3; As shown in diagram (1)
2. Loose Part 4 (Big nut), take out Part 5. Put the circle temple inside and tighten the Part 4 (Big nut); As shown in diagram (2).
3. Screw Part 7 into Part 8. Insert the Part 8 into Part 5, then fix Part 9 into 8 and tighten the Part 10 (Screw); As shown in diagram (3)
4. Take Part 11 out from Part 13 (Magnet seat), then insert the Part 12 into Part 13.
5. Then insert Part 12 into the slot on Part 8, adjust the location according to the cutting circle diameter, then tighten by screw Part 7; As shown in diagram (5).

Template Installation onto the main shaft

When cut the circle or arc within range: $\leq 800\text{mm}-1600$, drill first a hole $\phi 36\text{mm}$, dismantle the arm assembly and arm assembly take connection, install the template tube connection enclosed with the delivery onto the main shaft, then insert the template onto the template tube connection. Adjust the space between the template and magnet head and fix the template by 2 hexagonal nuts. As the template is comparatively big, the far end will drop when the center is fixed. So install the angle bar (Enclosed with the delivery) on the top tube connection, use the screws on two ends to hang the template in a horizontal plane. As shown in diagram.



Note: The template shown in the diagram is only for illustration.



GC2-2700 Pongo

Heavy Duty Outside Profiling Cutting Machine

Pongo is a heavy duty, foundation mountable, cantilever type robust shape cutting machine suitable for a large number of duplication jobs, particularly for multiple shift type production applications.

Features & benefits

- The machine is made of high-strength Al-alloy for less weight.
- The foundation is fitted with wheels for easy travelling.
- The machine compose a copying unit driven by servo motor by S.C.R control for 100-750mm/min stepless speed cutting.
- Long template arm makes sure the flexible & firm position, less deformation.

Technical specification

Rectangle cutting area	650 × 2500 mm
Square cutting area	1500 × 1900mm
Circle cutting area	φ 20-2700mm
Max. cutting length	2500mm
Max. cutting thickness	100mm
Cutting speed	50-750mm/min
Torch	Injector Type to suit Acetylene / LPG
Gross weight	114 kg
Dimensions	1300 × 4800 × 800mm



Packing list of standard configuration

For all GC2-150 series and GC2-2700

1. Main unit	1 unit
2. Gas distributor assembly inc. torch	1 set
3. Cutting tip	3pc 1, 2, 3# each (LPG or Acetylene)
4. Power cord set	1
6. Inlet connection	1 set
Standard Auxiliaries	
1. Circle cutting unit	1 set
2. Balance weight	1 set
3. Circle template	1 pc
4. Angle bar and template tube connection (Only for GC2-150A)	1 pc each
5. Rail (Only for GC2-150R)	1 pc
6. Heat shield board only for GC2-150T	1 pc



WELDING & CUTTING

AYE-AYE KC-82M
PORTABLE INSIDE PROFILING CUTTING MACHINE

Produced by GAZCUT Engineering Works Ltd.,



KC-82M Aye-aye

Portable Inside Profiling Cutting Machine

KC-82M Compact Magnetic Shape Cutting Machine is the most advanced compact magnetic tracing type gas cutter on the market. The innovative design and unique modular structure is created to reduce equipment mass and weight and to provide a system configuration that ensures easy operation.

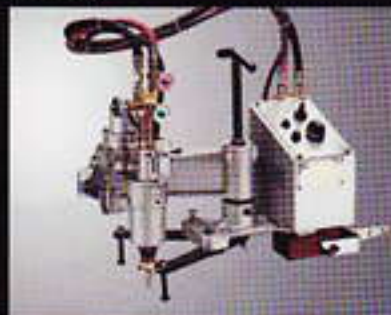
Features & benefits

Oxy-fuel Pattern Cutter- Shape cut steel parts

Smaller Version of KC-54D- More portable and compact making it easier to use in smaller spaces

Tracing Head Tilts Out of Way - Clean or replace tip quickly

Permanent Magnet In Machine Base- Secures machine to work piece for smooth, accurate cuts



KC-82M-P W/ permanent magnet



KC-82M-E W/ electromagnet

Technical specification

Rectangle cutting area	200 x 600mm
Square cutting area	300mm
Circle cutting area	> 100-300mm
Max. cutting thickness	100mm
Cutting speed mm/min	150-1500
Torch	Injector
Speed control	By transistor
Power source	110/220V, 50/60Hz
Gross weight	KC-82M-P 15kg /KC-82M-E 16kg

Unique advantage

TRACER HEAD FOR HANDLING EASE AND HIGH-PRECISION CUTTING

For easy positioning, the tracer head has a cutting tip at the center of the magnet roller. High-precision and eye-pleasing cut faces are ensured due to cutting in close contact with the tracing template.

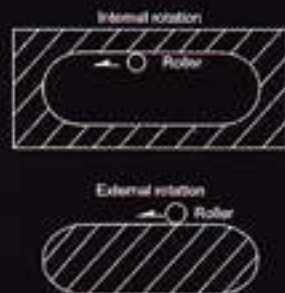
LIGHT-WEIGHT AND RUGGED ARM BY STAINLESS STEEL PIPE STRUCTURE

The arms of types employ simple and rugged stainless steel pipes for substantial decrease in weight. This structure also has improved portability.

Maximum standardization of parts and components facilitates expansion of the cutting capacity. One set of equipment provides the capacity of two sets.

Template production

For the KC-82M series, the location of magnetic roller movement is the same as that of the torch movement. When making template take the following into consideration.



Normally, the template of internal rotation type is used. If the external rotation type is used, the template may drop with the workpiece immediately when cutting operation has completed.

Make sure the template plate thickness is 8mm or more.

Template dimensions and layout:

(1) When the outer section of the cut-out workpiece is the product:

Product + roller diameter - cut width = template

(2) When the inner section of the cut-out workpiece is the product:

Product + roller diameter + cut width = template

Note that the cut-width varies according to the type number of the tip. (For details, refer to the separate instruction.)

Note that the cut-width varies according to the type number of the tip. (For details, refer to the separate instruction.)



KC-600
CIRCLE
SERIES



Seal



WELDING & CUTTING

SEAL **KC-600**
PORTABLE SINGLE PURPOSE CIRCLE CUTTER

Produced by GAZCUT Engineering Works Ltd.,



KC-600 Seal

Portable Single Purpose Circle Cutter

The rugged construction of the KC-600 is designed for quality flame cutting circles in a wide range of sizes. Operational versatility, ease and economy have all been built into this precision machine.

Features & benefits

- Dry-fuel Circle Cutter - Bevel or straight cut circles and holes
- Rotating Gas Manifold - Keeps hoses from becoming tangled
- Vertical Adjustment - Crank handle quickly sets distance from tip to work piece
- Large Wheel of Offer - Cuts larger circles and holes
- Stand - Allows Vertical Use; Cut upright or inclined plate

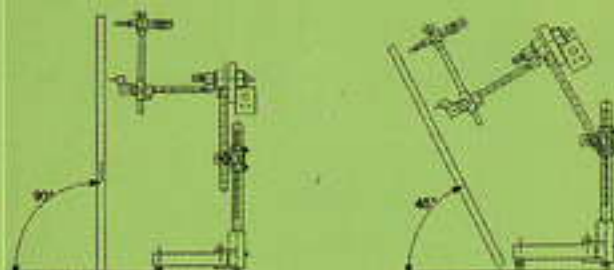
Main configuration



KC-1000 II shown

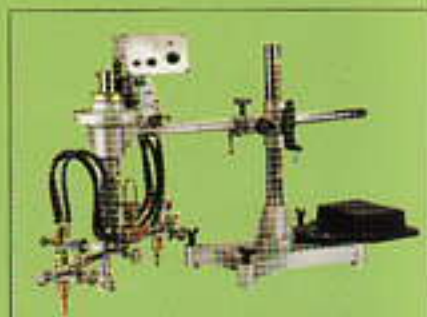
Multiple application

The machine stand is specially designed to allow stability and flexibility in the field operation. Vertical position is easily obtained by turning the handle on the stand. Cutting precision can be achieved from 0-45° inclines by adjusting the arm joint to secure torch position.



KC-1000

It is of extension type with a longer cross bar which cuts or bevels up to $\phi 1000\text{mm}$. This type adopts the KC-640 type support with counterweight.



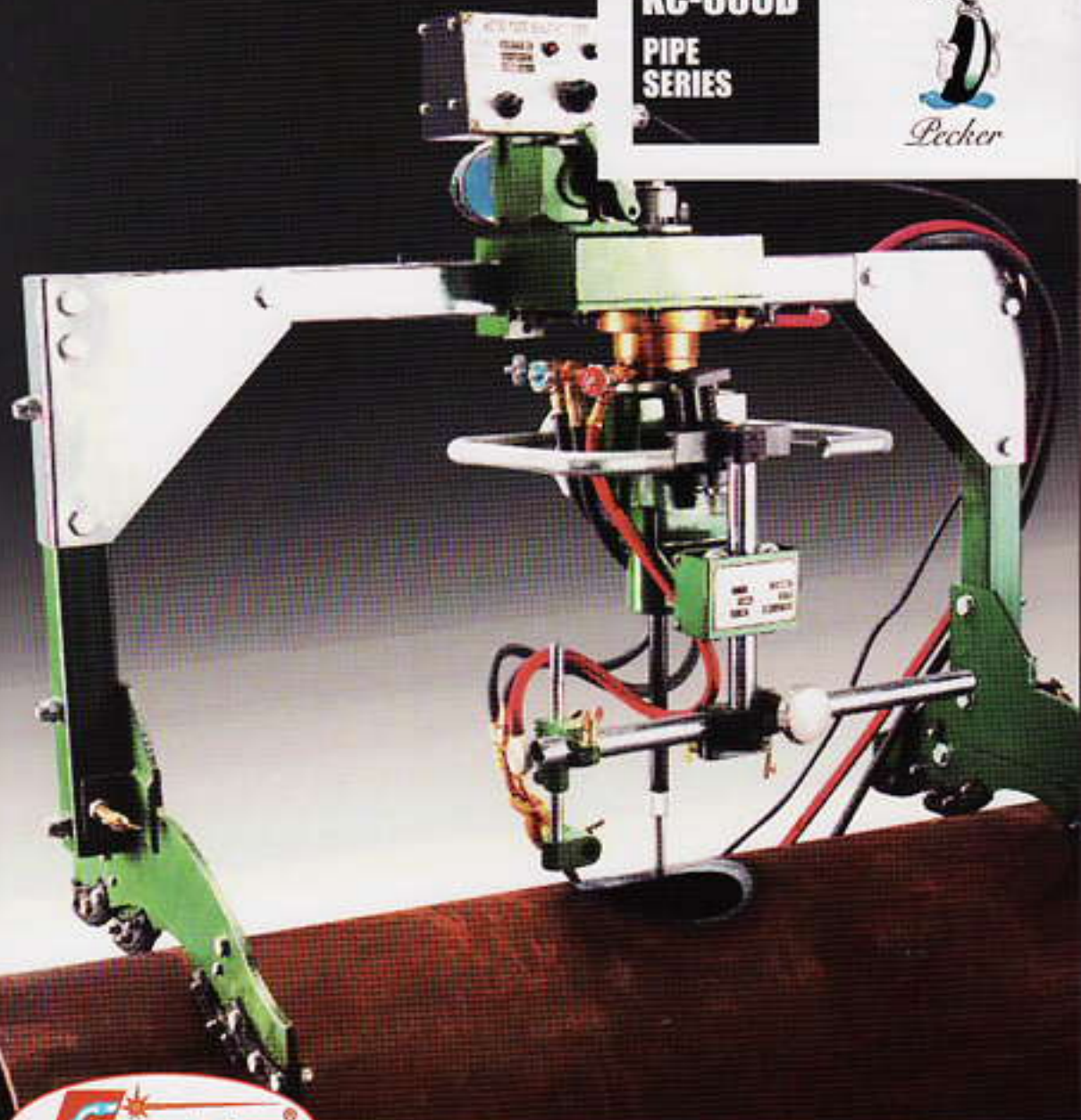
KC-1000II

This model is especially equipped with 2 torches for flange out. It also can be used for other concentric purpose or general circle cutting. The gear adopts 2-speed transmission for high accuracy.

Technical specification

Specification	KC-600	KC-1000	KC-1000II
Cutting diameter (mm)	30-600	30-1000	200-600 inside 300-800 outside
Cutting thickness	6-50mm	6-50mm	6-50mm
Torch rotation (turn)	0.2-0.60	0.04-1.5	0.04-1.5
Bevel shape	(V)(0-45°)	(V)(0-45°)	I
Speed control		S.C.R. control	
Power		AC110/220V, 50/60Hz	
Weight	26kg, w/ standard support	50kg, w/ special support	50kg
Body size (mm)	750 X 350 X 700	1200 X 340 X 700	1200 X 340 X 700

KC-600D
PIPE
SERIES



WELDING & CUTTING

PECKER **KC-600D**
AUTOMATIC PIPE HOLE CUTTING MACHINE

Produced by GAZCUT Engineering Works Ltd.,



KC-600D Pecker

Automatic Pipe Hole Cutting Machine

This unique KC-600D is ideally suited for cutting high precision T-joint circles including any hole that crosses the side of the pipe for piping systems, high pressure vessels and heat exchangers.

It's a compact design, light weight and easy to operate.

In addition to cutting circles and bevel in flat plate, the machine can cut a vessel from the inside or outside.

Features & benefits

Automatic Oxy-fuel Pipe Cutter - Automatically bevel cuts or straight cuts holes into pipe.

H-Lever Handle - The up/down interlock unit employs a trigonometry function generating mechanism to ensure higher bevel accuracy than conventional crank mechanism; very easy to set up with just two adjustments.

Rotating Gas Manifold - Keeps hoses from being tangled.

Automatic Tip Stand Off - Ensures higher accuracy during bevel cutting.

On/Off Drive Clutch - Position cutting tip accurately and quickly.

Flat Circle Bevel Cutting - Can be used to cut circles in flat plate with a bevel edge.



Small-diameter pipe fixture (optional)

This is to assist the function of the standard stand to install the machine on pipes from 250-800mm.



Flat circle bevel cutting

Note: Large type available to cut large T connection. Pls refer to parameters of KC-1000D Specification.

Technical specification

Model No.	KC-600D	KC-1000D
Cutting thickness (mm)	5-60	
Cutting speed (rpm)	0.14-1.2	0.12-0.72
Cutting shape	1/4" ($\leq 45^\circ$)	
Cutting diameter (mm)	80-600	80-1,000
Vertical lock stroke (mm)	0-96	0-265
Ratio between hole ID and main Pipe ID	$\geq 1/2$	
Machine Size (mm)	1,060 × 560 × 820	
Weight (kg)	48	68
Power	AC110/220V	

Standard configuration



- | | | |
|---------------------------|------------------|----------------------------|
| 1. Control panel | 5. Center cone | 10. Inlet connection |
| 2. Forward/Reverse switch | 6. Tip | 11. H-lever knob |
| 3. Gas valve | 7. Support | 12. Slide bar |
| 4. Handle | 8. Speed knob | 13. Cross feed holder |
| | 9. Clutch handle | 14. Rotary gas distributor |

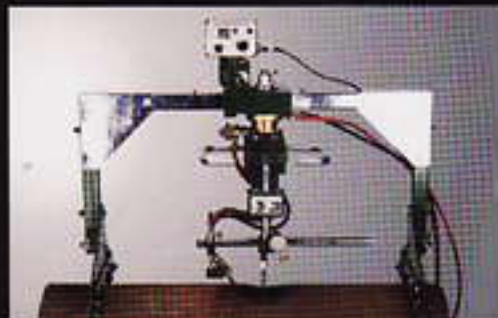


1. Rotary gas distributor

2. H-Lever

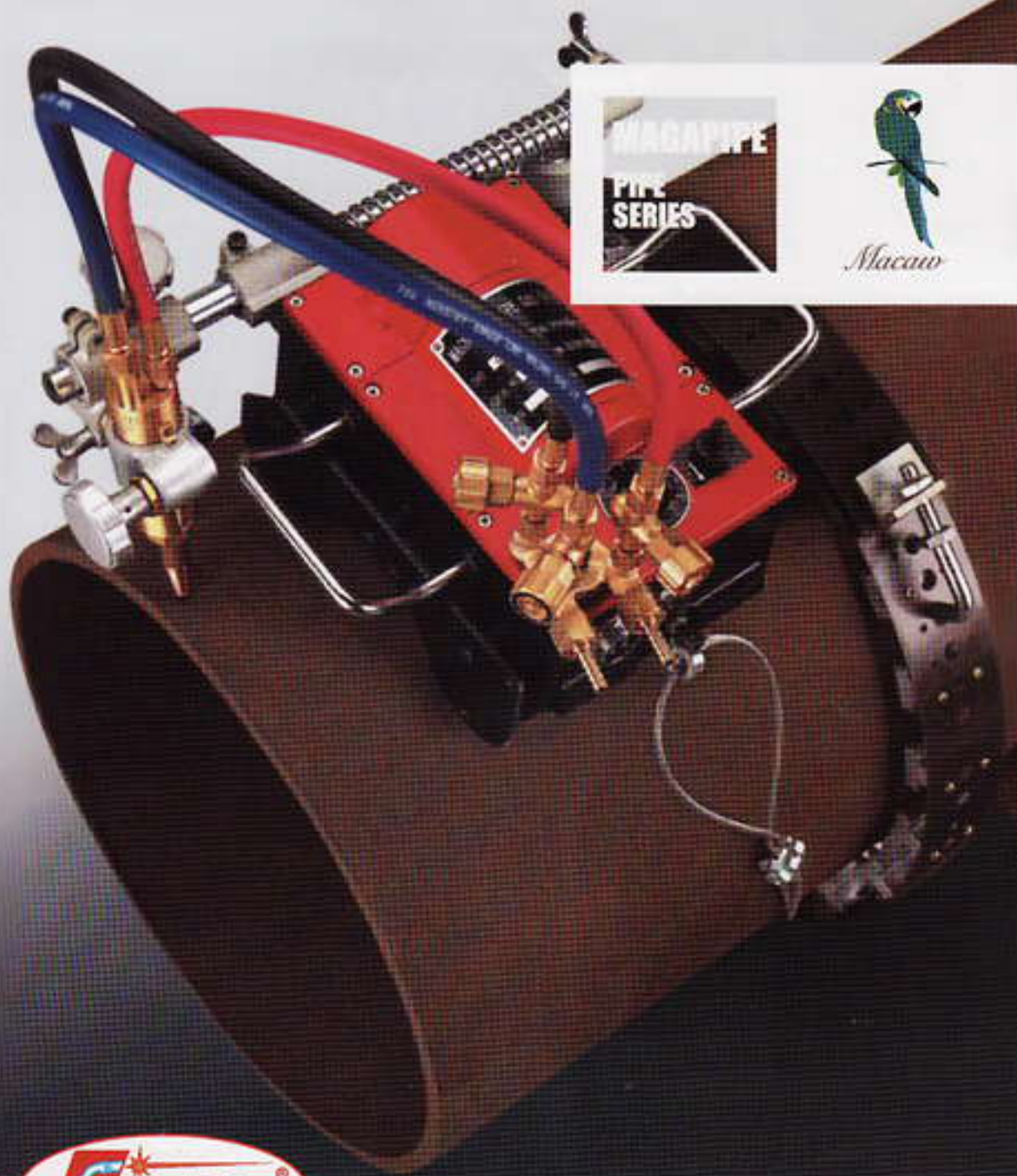
3. Slide rod

4. Handle



KC-1000D

for large size pipe hole cutting



WELDING & CUTTING

MACAW MAGAPIPE
MAGNETIC PIPE CUTTING MACHINE

Produced by GAZCUT Engineering Works Ltd.,



MAGAPIPE Macaw

Magnetic Pipe Cutting Machine

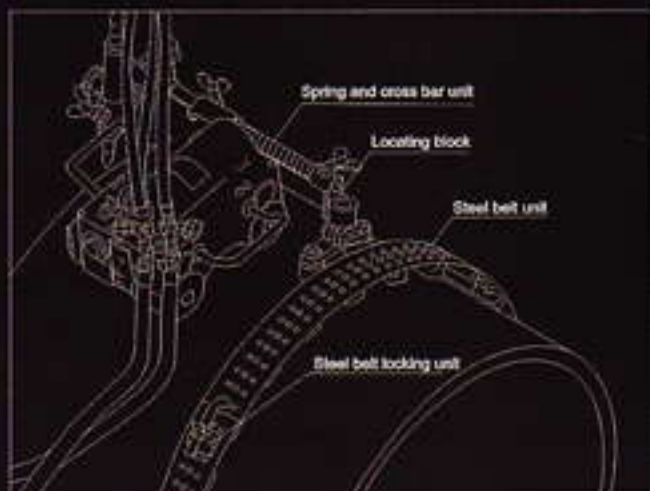
There are two sets magnetic rollers built inside the machine body to keep the machine crawl on the pipe when cutting is operated. It can be used for parallel, vertical and face-down cutting. The machine features compact structure, stable running and easy operation. Optional steel belt assembly can be used to cut the big size pipe (Over $\phi 600\text{mm}$) to assure the cutting accuracy.

The Machine body is made of aluminum alloy to make the machine light and durable.

The magnetic absorbability force is over 50kg and assures the machine attached to the pipe firmly.

Bevel angle LYV(45°).

Optional steel belt installation



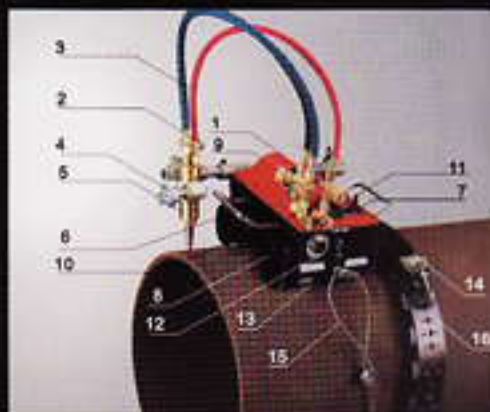
The steel belt assembly is used for large pipe to assure cutting accuracy (To make the starting point meets the end point). The belt assembly adopts an elastic unit which always to keep the torch align with the belt even the machine affects a slight offsetting. (As shown in the diagram)

Note: The belt assembly is an optional, customers may order according to the pipe diameter.

Technical specification

Effective pipe diameter	100-600mm (Standard) Bigger size with belt (Optional)
Pipe Thickness (mm)	5-50
Drive	AC/DC Geared motor
Torch	Injector Type to suit acetylene
Cutting speed (mm)	5-780
Gross weight (kg)	20
Dimensions (mm)	350 x 310 x 260

Main configuration



- | | | |
|-------------------------|---------------------------|---------------------|
| 1. Main unit | 7. Forward/Reverse switch | 12. Power socket |
| 2. Cross feed handwheel | 8. Heat shield plate | 13. Magnet wheel |
| 3. Hose | 9. Valves | 14. Control belt ho |
| 4. Torch holder | 10. Distributor | 15. Safety ring |
| 5. Torch | 11. Speed knob | 16. Belt |
| 6. Carrying handle | | |



Magapipe Standard W/o belt assembly



Magapipe-B W/ belt assembly



PC-22
PIPE
SERIES



Toucan



WELDING & CUTTING

SUPER MANUAL

PIPE CUTTING MACHINE WITH DOUBLE BUCKLE CHAIN

TOUCAN PC-22

Produced by GAZCUT Engineering Works Ltd.,



PC-22 Toucan

Super Manual Pipe Cutting Machine With Double-buckle Chain

Model PC-22 is a manually operated, portable oxy-fuel pipe cutting machine. The body base is with multiple choices for wheel location so that the machine can match with wide range size of pipe by adjusting wheel location.

Features & benefits

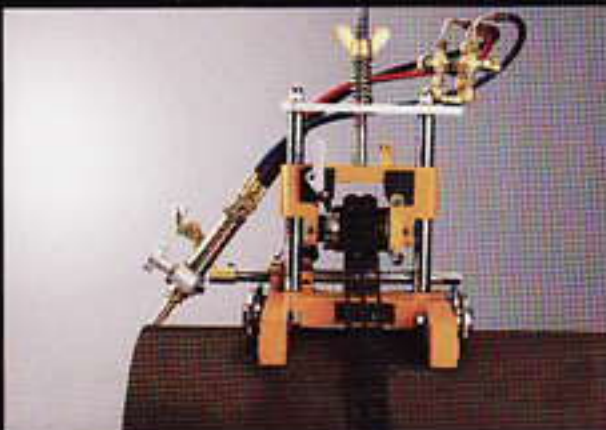
Double-link chain - Equipped with a special double-buckle linking chain kit for more firm locating.

Interlocking Chain Links - Add or remove links as needed for various size pipes; Standard chain configuration 3.5m (115pcs chain links) with longer chain linkage optional.

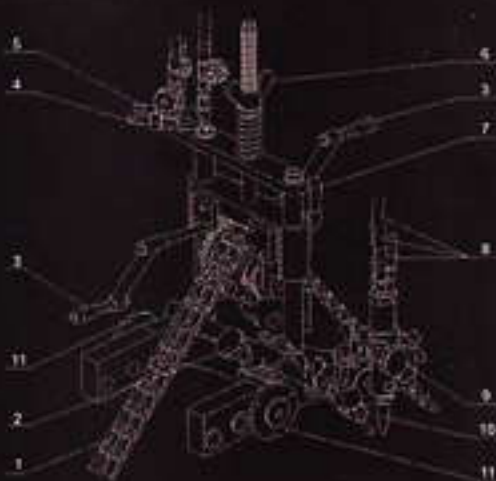
Quick Stop - With a quick stopper can help to stop easily the bracket rotating in time.

Oxy-fuel Pipe Cutter - Bevel cut or straight cut steel pipe.

Worm Gear Drive - Low gear ratio ensures extremely smooth travel.



Standard configuration

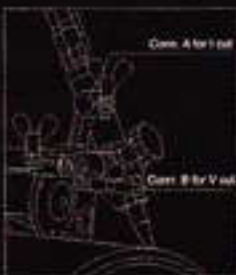


1. Double-buckle link
2. Cross feed handwheel
3. Crank handle
4. Fuel gas connection

5. Oxygen connection
6. Big wing nut
7. Clutch release handle
8. Hose

9. Torch lift handwheel
10. Cutting tip
11. Guide wheel

Beveling application



Double-connection holder

Torch holder unit has 2 torch connections. The upper one (A) is for square cutting. The lower one (B) is for beveling, pls fix the torch for beveling as per the graduated bevel collar with 5° per division.

Technical specification

Chain type	Double-link chain
Quick clutch	With
Effective pipe diameter	250~1000mm by standard chain Over 1000mm by extra chain addition
Cutting thickness	Up to 50mm (2")
Cutting shape	Square and bevel (up to 45°)
Drive method	Manual
Size (mm)	515×370×510
Weight (kg)	16.5

Adjusting length of chain



The chain is linked by special double-buckle and its length can be adjusted link by link, making it easy to match the chain to the circumference of the pipe.

The number of links required for a given job can be calculated as following:

Number of links = Pipe diameter (cm) ÷ 15

Example of calculation:

Number of links required for cutting 755mm pipe

$75 \div 15 = 5$ (755mm ÷ 75cm)

Number of links required for cutting 752mm pipe

$75 \div 15 = 5$ (752mm ÷ 75cm)



KC-2H
H-BEAM
SERIES



Crocodile



WELDING & CUTTING

CROCODILE **KC-2H**
PORTABLE H-SHAPE BEAM CUTTING MACHINE

Produced by GAZCUT Engineering Works Ltd.,



KC-2H Crocodile

Portable H-Shape Beam Cutting Machine

The machine is an automatic gas cutting unit for rapid and precise cutting of H-shape web and flange. It has four features that contribute to on-site efficiency and labor saving.

Rail and main unit have been combined, so set-up time is greatly reduced. Single-lever rail clamping.

S.C.R control for smooth, even cutting speed.

Unit construction for easy maintenance and service ability.

Add to these features the quality construction which ensures durability and trouble-free operation. And you have an economical, efficient compact gas cutting machine for small H-Shape steel.

Features & benefits

Rapid Gas Adjustment - An unique "One touch flame adjuster" is used in the gas distribution system.

More Highly Automatic - Using a 4-way switch lets the cutting oxygen out for smooth cutting. Forward and Reverse Control - Power switch, speed control, 4-way torch direction switch, rapid traverse, and indicator lamp are all grouped for ease of use.

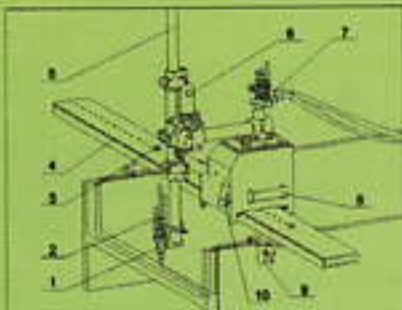
Easy to Use - Two motors, one for web cutting and one for flange work. Also can make Diagonal Cuts of Flange as well as plate cuts.

Light and Portable

Standard configuration

1. Torch
2. Hose
3. Cross feed handle
4. Guide rail
5. Vertical racking bar
6. Flange cutting device
7. One-touch distributor
8. Carrying handle
9. Fixing base
10. Clutch

KC-2H shown
KC-2Hs has the same
configuration



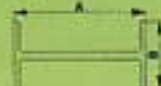
Diagonal web cutting
35° at 400mm max. diagonal web length
for KC-2H
1300mm max. diagonal web length
for KC-2Hs.



Diagonal flange cutting
30° at 400mm max. diagonal flange length
for KC-2H
600mm max. diagonal flange length
for KC-2Hs.



Web cutting



Flange cutting

Right-angle cutting
A=150-600mm B=150-400mm (KC-2H)
A=150-1600mm B=150-600mm (KC-2Hs)
Bevel cutting
35° for both web and flange

Can make diagonal cuts of the flange as well as the web, and the bevel angle is by adjusting the rail or the vertical rack bar and the result is a high precise diagonal cut that is clean and sharp, and you get the best flange bevel cuts.

Technical specification

	Web cutting	Flange cutting
Cutting capacity	5-60mm	
Cutting speed	100-700mm/min (4-28ipm)	
Cutting dimensions	See above	
Total weight	20kg (KC-2H), 38kg (KC-2Hs)	
Power	110V/220V, 50/60Hz	
Main body size (mm)	280 x 176 x 260 for KC-2H 400 x 340 x 440 for KC-2Hs	
Speed control	S.C.R.	
Drive	Friction roller	Rack and pinion
Rail	1,880mm (KC-2H)	2,200mm (KC-2Hs)
Attaching device	Clamping bolts	



KC-2Hs

is a super model for large channel cutting with a heavy duty design. The rail features a wider and longer than that of KC-2H.

**HANDY AUTO / HANDY AUTO PLUS HUMMER
KIT IS A PORTABLE UNIVERSAL CUTTER**



You can carry it about freely, and it is mostly suitable for on-site field operations because of built-in auto ignition lighter



Free as you hand does. Powerful application for straight cutting, curve cutting, beveling cutting, circular cutting, pore cutting, H-beam cutting

**HANDY AUTO
CURVE
SERIES**



Hummer



WELDING & CUTTING

HUMMER
PORTABLE AUTOMATIC HAND
CUTTING TORCH

HANDY AUTO

Produced by GAZCUT Engineering Works Ltd.,



HANDY AUTO (Hummer STD) HANDY AUTO PLUS (Hummer Plus)

Portable Automatic Hand Cutting Torch

Features & benefits

Standard all position drives - Allows for cutting from all positions.

High efficiency performance - Handy Auto drive switch is linked to the cutting oxygen valve causing simultaneous operation of cutting oxygen and drive power.

Drive attachments quickly changed - for all types of applications.

Highest cutting quality - Safe and long lasting tips supplied.



◆ Handy Auto kit contents (Weight 7.90kg)

No.	Item	Quantity
1	Cutter	1
2	Standard wheel	1
3	Auxiliary wheel	1
4	Wheel for bevel cutting	1
5	Attachment for small circle cutting	1
6	Running guide lever	1
7	Cutting tip ANME or PRIME : #0, #1, #2	1 each
8	Spanner for nozzle replacement	1
9	Fuse (1A)	2
10	Carrying case	1

Standard configuration



Multi-purpose us

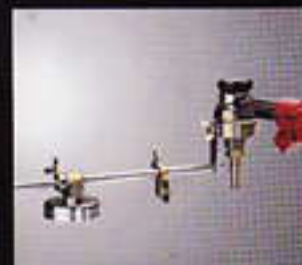
The powerful Hummer / Hummer Plus can cut on vertical surface, angle surface, round surface and pipe surface. Make straight, arc or curve cutting and other contour cutting.



Small circle cutting attachment 30-120mm



Beveling wheel set



Large / X-large circle cutting attachment
120-500 / 120-1,000mm (Optional)



Linear cutting guide unit (Optional)

Technical specification

Model No.	Drive system	Speed control	Length	Cutting thickness	Cutting speed(mm/min)	Weight(kg)
Handy Auto Plus (Hummer plus)	Friction drive	By translator	500mm	5-30mm	150-530	3.50
Handy Auto (Hummer STD) W/o the Ignition function						



Inside-mount Pipe Cold Beveling Machine

Features & benefits

Drive - Electric

Range - Pipe size ID 13-1050mm

Functions - Cutting, beveling, facing, counterboring

Material - Any kind of steel

The lightweight construction and ease of set up & operation makes it ideal for site work applications. It is capable of cutting most materials including stainless steel. Pneumatic version available with conversion kit to easily change electric mode to pneumatic mode.



WELDING & CUTTING

Technical specification

ELECTRICAL TYPE I-T Shape series

Model	Pipe size ID	Beveling capacity	Rotating speed	Weight (kg)
IPE-28T	± 13-30mm	15mm	50rpm	5
IPE-40T	± 28-76mm	15mm	55rpm	7
IPE-150T	± 65-159mm	20mm	34rpm	16
IPE-350T	± 150-330mm	20mm	16rpm	38

ELECTRICAL TYPE I-Y Shape series

Model	Pipe size ID	Beveling capacity	Rotating speed	Weight (kg)
IPE-150Y	± 65-159mm	20mm	34rpm	12.5
IPE-250Y	± 80-273mm	20mm	16rpm	38
IPE-351Y	± 150-351mm	20mm	14rpm	42
IPE-630Y	± 300-630mm	15mm	10rpm	55
IPE-850Y	± 600-850mm	15mm	8rpm	65
IPE-1050Y	± 820-1050mm	15mm	7rpm	80
IPE-1300Y	± 1030-1300mm	15mm	5rpm	90
IPE-1500Y	± 1270-1500mm	15mm	4rpm	100

ELECTRICAL TYPE II- Automatic-feed series

Model	Pipe size ID	Beveling capacity	Rotating speed	Weight (kg)
IPE-2500	± 80-273mm	75mm	16rpm	40
IPE-3510	± 150-351mm	75mm	14rpm	48
IPE-6300	± 300-630mm	75mm	10rpm	58
IPE-8500	± 600-850mm	75mm	8rpm	60
IPE-10500	± 820-1050mm	75mm	7rpm	158
IPE-13000	± 1030-1300mm	75mm	5rpm	120
IPE-15000	± 1270-1500mm	75mm	4rpm	150



Auto Preweld Beveling Machine

The model APB-12 automatic preweld beveling machine is used for plate and pipe beveling for the preparation of welding process. It can bevel up to 12mm slope width at 30°. Optional angles can be achieved by changeable units for necessary welding process. Besides plate bevel, the machine also can be used for bevel of pipe with ID ϕ 100mm above. The machine is widely used for many kinds materials such as Carbon steel, Alloy steel, Stainless steel, Heat-resisting alloy, AL alloy etc.



Features & benefits

Cold cut- Not affect the plate or pipe material performance, no thermal deformation, no need after-treatment for proceeding welding.

Unique mode- It adopts milling mode for pipe or plate bevel. Bevel and travel along workpiece edge simultaneously.

Portable- Compact structure, light weight. No special requirements of working condition.

Labors save- An operator can take after several sets of the machine meanwhile.

Widely use- Can process either straight or curve edges no matter how longer the parts are. Can bevel Carbon steel, Alloy steel, Stainless steel, Heat-resistant alloy, AL alloy etc.



WELDING & CUTTING

Technical specification

Bevel speed	Bevel capacity	Bevel angle	Pipe thickness	Min. pipe ID	Motor power	Weight
2,600mm/min	12mm	30°	6-40mm	110mm	220/380V/50Hz	65kg



WELDING & CUTTING



Your Partner in

Welding and Metal Working Machinery
