

# GAZCUT

GAZCUT ENGINEERING  
WORKS LTD.



www.gazcut.com

PLANT A THOUGHT, AND WATCH IT GROW,  
AND A FRUITFUL SHARE



GAZCUT



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2009

**Confident to be your most trustable,  
prestigious partner in China**

**WELCOME**



We, China Gazcut, are dedicated to providing our valued customers with the contracted manufacturing services they come to expect

**Cover:**

High quality flame , plasma and electric cutting equipments which provide immediate cost savings, safety and quality manufacturing. The cutting machines can utilize CNC plasma cutting, oxy-fuel cutting technology etc which are used worldwide by all types of businesses from small fabricators to major steel service centers.

**With**

*A professional, international market-oriented product lines.*

*Trusty managing team providing reliable manufacturing and service systems.*

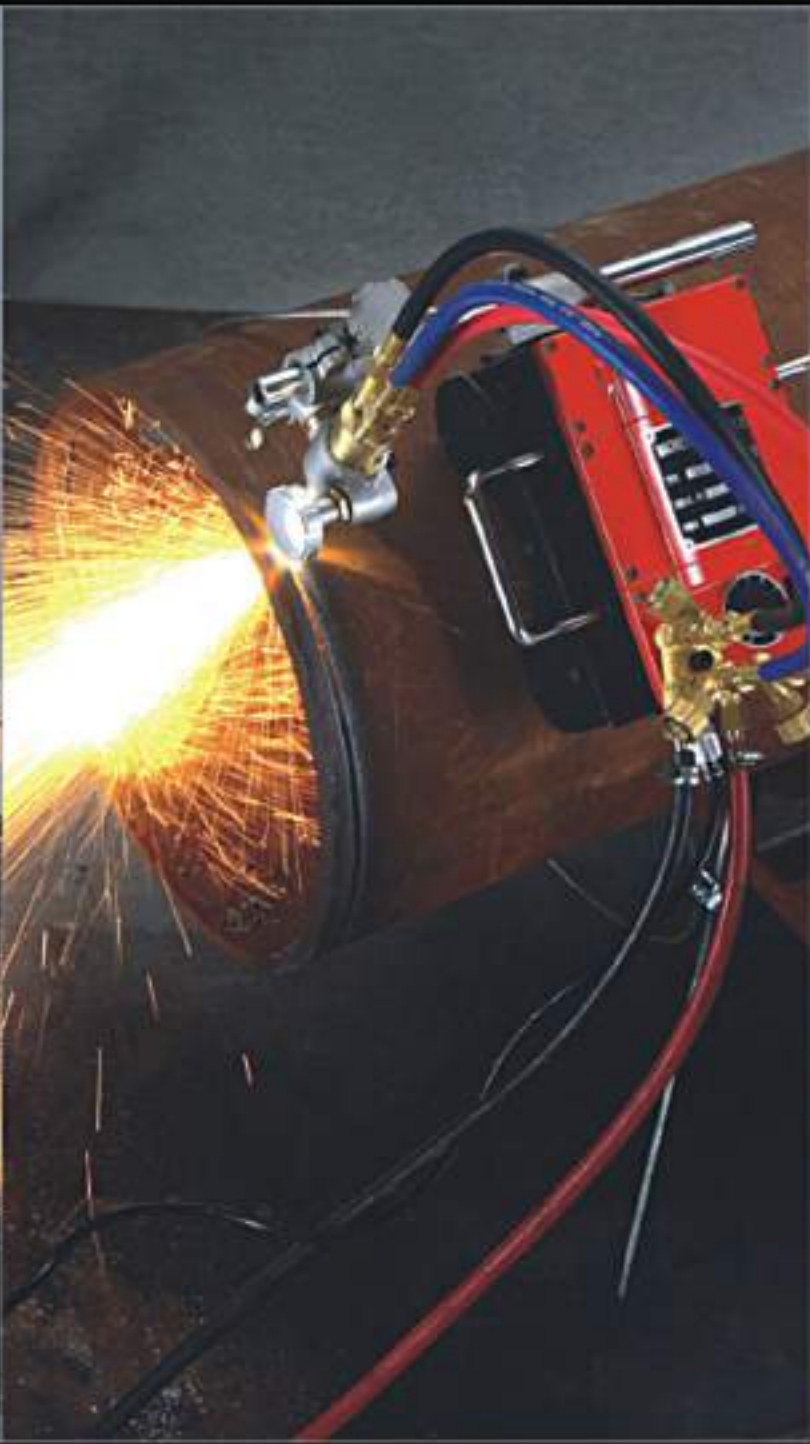
*Quality workers and facilities assure quality delivery.*

Enjoy your business by providing the opportunity to take your products from raw material to final products.



**ABOUT US**

Gazcut Engineering Works Ltd. offers high quality portable oxy-fuel cutting machines designed for applications such as pipe cutting, beam cutting, circle cutting and shape profile cutting. Most of our portable equipment can be used for both oxy fuel bevel cutting and I cutting. Many of them are feature compact size but with powerful ability to carry heavy loads, some can even crawl vertically. Portable plasma cutting is also possible with selected models. Each portable cutting machine is designed to provide smooth high quality cuts by using international cutting tips.












**FLAME SAYS:**

- \* Think the way you'll take.....
- \* Shape what it is to be.....
- \* Change as you wanna.....

*Just so you know, we're improving with you! Gazcut!*



| Application /Type  |  |  |  |  |  |  |  |  |  |
|--------------------|---|---|---|---|---|---|---|---|---|
|                    | Straight line   | Shape   | Hole  | Curved line   | H-shape steel   | Various steel shape   | Pipe  | Square pipe   | Vertical surfaces   |
| Auto Handy Hummer  | o   | o   | o   | o   | o   | o   | o   | o   | o   |
| KC-93 Condor       | o   | o   | o   | o   | o   | o   | x   | o   | x   |
| KC-90 Mink         | o   | o   | o   | o   | o   | o   | x   | o   | x   |
| KC-12 Bee          | o   | o   | o   | x   | x   | x   | x   | x   | x   |
| KC-12 Max Wasp     | o   | o   | o   | o   | x   | x   | x   | x   | x   |
| KC-12 Max3 Super   | o   | o   | o   | o   | x   | x   | x   | x   | x   |
| KC-I/ II Otter     | x   | x   | o   | x   | x   | x   | x   | x   | x   |
| KC-800/II Seal     | x   | x   | o   | x   | x   | x   | x   | x   | o   |
| 2D GC-13 Gecko     | o   | x   | x   | x   | x   | x   | x   | x   | o   |
| 3D KC-72T Snake    | o   | x   | x   | o   | x   | x   | x   | x   | o   |
| KC-82 Aye-aye      | x   | o   | o   | x   | x   | x   | x   | x   | x   |
| GC2-150/A/R/T      | x   | o   | o   | x   | x   | x   | x   | x   | x   |
| GC2-2700/5000      | o   | o   | o   | x   | x   | x   | x   | x   | x   |
| KC-54D Pegasus     | o   | o   | o   | x   | x   | x   | x   | x   | x   |
| Handypipe Lark     | x   | x   | x   | x   | x   | x   | o   | x   | x   |
| Handypipe Q Lark-Q | x   | x   | x   | x   | x   | x   | o   | x   | x   |
| PC-22 Toucan       | x   | x   | x   | x   | x   | x   | o   | x   | x   |
| Autopipe Swift     | x   | x   | x   | x   | x   | x   | o   | x   | x   |
| Magapipe Macaw     | x   | x   | x   | x   | x   | x   | o   | x   | x   |
| PC-SA series Hippo | x   | x   | x   | x   | x   | x   | o   | x   | x   |
| Pecker 600D        | x   | x   | x   | x   | x   | x   | o   | x   | x   |
| KC- 5 Lug-cut Mice | o   | x   | x   | x   | x   | x   | x   | x   | x   |
| KC-2H Crocodile    | o   | x   | x   | x   | o   | o   | x   | x   | x   |
| KC-2HL             | o   | x   | x   | x   | o   | o   | x   | x   | x   |
| Mini-Crab          | o   | o   | o   | x   | x   | x   | x   | x   | x   |
| GC-30 Chafer       | o   | o   | o   | o   | x   | x   | x   | x   | x   |
| GC-30B Camel       | o   | o   | o   | o   | x   | x   | x   | x   | x   |
| GC-30D Ladybird    | o   | o   | o   | o   | x   | x   | x   | x   | x   |
| GC-300 Zebra       | o   | x   | o   | x   | x   | x   | x   | x   | x   |
| GC-350 Urus        | o   | x   | o   | x   | x   | x   | x   | x   | x   |
| VC-200 Raccoon     | o   | o   | o   | o   | x   | x   | x   | x   | x   |
| NC01 Ant           | o   | o   | o   | o   | o   | o   | x   | o   | x   |
| NC02 Dolphin       | o   | o   | o   | o   | o   | o   | x   | o   | x   |
| MT/MT-A series     | o   | o   | o   | o   | o   | o   | x   | o   | x   |
| CNC series         | o   | o   | o   | o   | o   | o   | x   | o   | x   |
| PIPE CNC           | x   | x   | x   | x   | x   | x   | o   | x   | x   |

o=Possible and suitable x=not suitable



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An affordable portable oxy-fuel cutting machine.  
Known around the world as one of the best  
portable cutting machines in the industry

# KC-12 Bee



## KC-12 Bee

An affordable portable oxy-fuel cutting machine.  
Known around the world as one of the best portable cutting machines in the industry

### Features & benefits

- Single or Dual Torch Models** - Performs high quality straight, circle and bevel cuts; Single model includes 1 torch and 3 tips; Dual model includes 2 torches and 6 tips; Both are fitted with 1800mm (72in) rail
- Stepless Drive System** - Maintains constant travel speed even with high temperatures, ensuring stable, trouble-free cutting
- Multiple Use Oxy-fuel Machine** - Performs straight line and optional circle Oxy-fuel cutting
- Light Weight** - 9.5kg, easy to carry and use, yet rugged enough to be a true workhorse
- Use on Radiograph Track** - Possible replacement for discontinued radiograph; user can use existing track
- Extendable 72in Track Sections** - Cut longer parts. 2 pcs more 1800mm tracks are recommended for each machine
- High Quality Tips** - The superior design tips are included to ensure fast, smooth cuts
- Optional Snap Valve** - One-touch on/off gas valve

### Technic specification

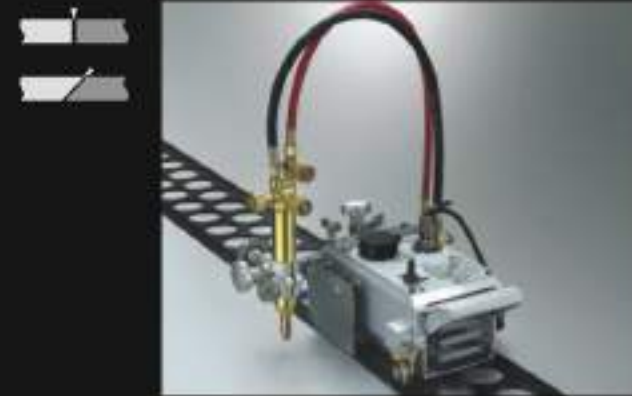
| Model                                 | KC-12 bee  |
|---------------------------------------|--|
| Cutting Capacity:                     | 5 to 80 mm   |
| Bevels:                               | 0° to 45°  |
| Straight Cuts:                        | 1.8 m and multiples                                    |
| Circle Cutting (Diameter):            | 30 to 2,400 mm   |
| Cutting Speed:                        | 180 to 800 mm/min (50HZ)<br>100 to 1,000 mm/min (60HZ) |
| Torch:                                | Injector Type to suit Acetylene / LPG                  |
| Gas Connection (Fuel LH & Oxygen RH): | 1/4" G; 3/16" etc.                                     |
| Gross Weight:                         | 10 kg W/1 torch,<br>14.5kg W/2 torches                 |
| Dimensions W/o rail (mm):             | 350 x 140 x 175  |

### Optional accessories

- ◆ Circle cutting attachment  $\phi$  50-2,400 mm
- ◆ Circle cutting rail  $\phi$  40-1,150 mm

### KC-12 Bee standard configuration

|              | S-100 Acetylene Kit                 | S-100 LPG Kit | S-200 Acetylene Kit | S-200 LPG Kit |
|--------------|-------------------------------------|---------------|---------------------|---------------|
| Order No.    | KC12S100102                         | KC12S100106   | KC12S100102         | KC12S200106   |
| Torch Number | 1 torch                             | 1 torch       | 2 torches           | 2 torches     |
| Track        | One 72" (1800mm) concave pored rail |               |                     |               |
| Tips model   | ANME                                | PNME          | ANME                | PNME          |
| Bevel shape  | LV                                  | LV            | LVY                 | LVY           |
| Power        | AC42/110/220 V                      |               |                     |               |



The machine reduction gear adopts unique double cone system and is durable for the application in rigid condition.

**Wasp**

**KC-12M**



## KC-12M Wasp

The machine reduction gear adopts unique double cone system and is durable for the application in rigid condition.

### PART 1 Unique mechanism

#### Features & benefits

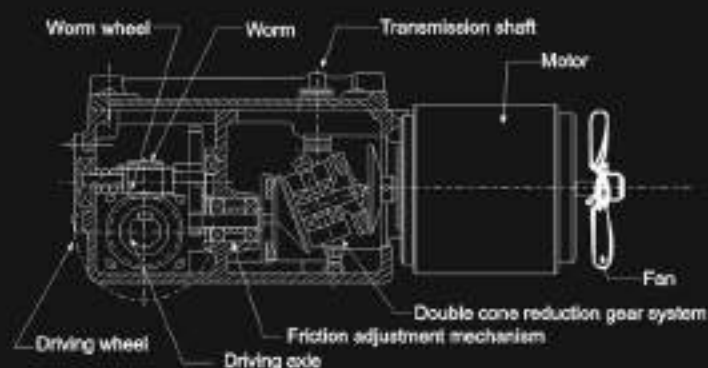
- ◆ Superior heat-proof for normal portable cutting machines
- ◆ Reliable speed control
- ◆ Readable speed with digital gauge display of speed
- ◆ Easily controllable clutch
- ◆ Application for linear, circular, bevel cutting
- ◆ Extendable line track
- ◆ Adjustable radius bar for circle cutting

#### Technic specification

|                                       |  |
|---------------------------------------|--|
| Model                                 | KC-12M wasp  |
| Cutting Capacity:                     | 5 to 100 mm  |
| Bevels:                               | 0° to 45°  |
| Straight Cuts:                        | 1.8 m and multiples                                  |
| Circle Cutting (Diameter):            | 40 to 2650 mm  |
| Cutting Speed:                        | 80 to 800 mm/min (50HZ)<br>100 to 1000 mm/min (60HZ) |
| Torch:                                | Injector Type to suit Acetylene / LPG                |
| Gas Connection (Fuel LH & Oxygen RH): | 1/4" G; 9/16" etc.                                   |
| Gross Weight:                         | 11.5kg W/ 1 torch<br>16kg W/ 2 torches.              |
| Dimensions W/o rail (mm):             | 440 × 205 × 215                                      |

#### Travelling carriage

Not affected by intense heat and fluctuating voltage, the maximum driving mechanism ensures steady travelling. Speed Control Mechanism of KC-12 MAX has adopted an exclusive Double Cone Stepless Speed control system (See the drawing), which functions with a condenser motor rotating at regular speed to prevent heat and voltage problems from occurring. No reduction gear is employed in the mechanism. Therefore, any knocking from backlash, noise or vibration does not take place. With entire use of heat-resisting grease, high temperature soldering and teflon wiring, heat protection is considered perfect and durable for long continuous operation. In addition, the condenser motor rotating at a constant low speed (1,500 r.p.m./50Hz) prolongs the service life of bearings and maintains the "maximum state" for a long period of time.



#### KC-12M wasp standard configuration

|              | S-100 Acetylene Kit                 | S-100 LPG Kit | S-200 Acetylene Kit | S-200 LPG Kit |
|--------------|-------------------------------------|---------------|---------------------|---------------|
| Order No.    | KC12M100102                         | KC12M100106   | KC-12M100102        | KC12M200106   |
| Torch Number | 1 torch                             | 1 torch       | 2 torches           | 2 torches     |
| Track        | One 72" (1800mm) concave pored rail |               |                     |               |
| Tips model   | ANME                                | PNME          | ANME                | PNME          |
| Bevel shape  | I,V                                 | I,V           | I,V,Y               | I,V,Y         |
| Power        | AC42/110/220V                       |               |                     |               |

## KC-12M Wasp



A max that surpassed the max...

### PART 2 Cutting torch unit

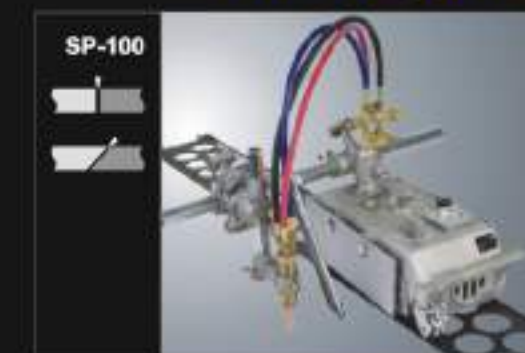
**S-100 For Square or V-Bevel:**  
Single torch unit equipped with a simple holder having no floating function.  
Standard pipe arm length: 400 mm.  
Vertical adjustment up to 65mm



**S-200 For square, V, Y or X-Bevel cutting:**  
Two torch model of S-100.  
Standard pipe arm length: 600mm  
Balance weight attached.  
Bevel and parallel cutting possible.



**SP-100 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: 400mm, Vertical axis steel pipe.  
Vertical adjustment up to 120mm



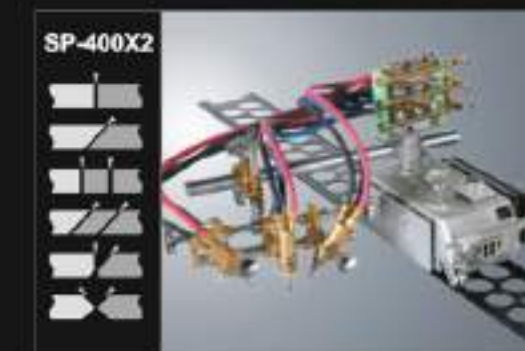
**SP-200 For Square, V, Y, or X Bevel Cutting**  
Two torch model of SP-100 equipped with a plate rider having floating function to maintain distance between tip and workpiece. Standard pipe arm length: 600mm  
Balance weight attached.  
Bevel and parallel cutting possible.



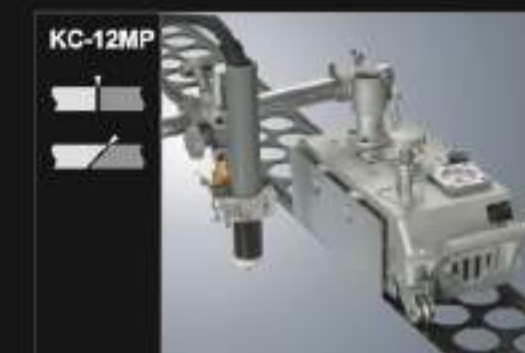
**SP-300 (Y-Cutting unit) For Square, V, Y, or X-Bevel Cutting:**  
A combination unit of plate rider having floating function and 2 torches of V bevel block. Clean and sharp bevel V, Y and X cutting is ensured.



**SP-400X1 (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.  
**SP-400X2 (without floating function) available**



**KC-12MP:** Uses expandable torch holder for use with most plasma systems; Using remote pendant supplied by the plasma manufacturer.





## KC-12M Wasp

A max that surpassed the max...

### PART 3 Configuration



### PART 4 Plate track and accessories

#### Optional accessories

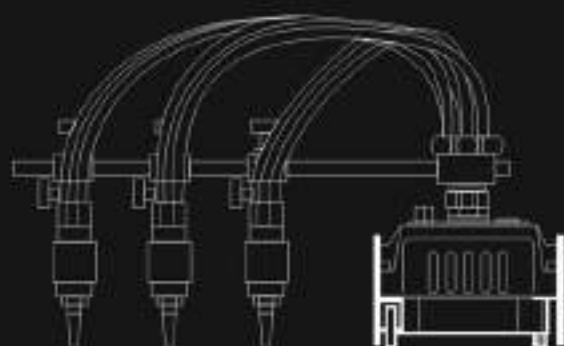
**Straight rail:**  
Each track of 1.8m (72") long is extensible to the requirement.

**Circle cutting attachment:**  
Recommended for cutting circles of large diameter.  $\phi$  50-2,400 mm

**Circle cutting rail:**  
Recommended for cutting circles of comparatively large diameter.  
Cutting Range:  $\phi$  40-360 mm and  $\phi$  1,150-2,400 mm

#### Multiple - torch option

\*Pipe arm (Long type 1,000mm)  
Parallel cutting of wide products can be made with multiple torches



Long type arm for multiple-torch application



Circle cut w / radius rod



Circle cut w / circle rail



STRAIGHT  
LINE SERIES  
KC-12MAX3



Super wasp



The machine reduction gear adopts unique double cone system and is durable for the application in rigid condition.

# Super wasp KC-12MAX3



## KC-12MAX3 Super wasp

The machine reduction gear adopts unique double cone system and is durable for the application in rigid condition.

### PART 1 Unique mechanism

The machine is a new generation, innovative machine with a body structure systemized for different types of oxy-fuel/plasma cutting and automatic welding work. There are three major parts to the system: The advanced motorized carriage, a cutting torch unit and the plate track and accessories. All serving as independent units, the customer can choose the system needed for his specific requirements.

### Features & benefits

**Unique drive system** - Allows infinite speed range adjustment using constant speed motor.

**Versatility and convertibility** - All types of straight line, circle, and bevel cutting.

**Quality cutting** - Use Gazout style taper seat type oxy-fuel cutting tips and torch with uniquely accurate, unequalled performance in cutting clean, and sharp edges.

**Circle cutting** - Adjustable radius bar for circle cutting.

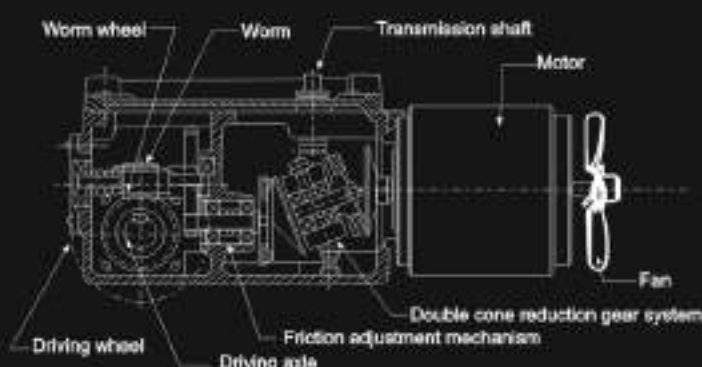
**High speed mode** - 240~2,400mm/min at 50 cycle and or 300~3,000mm/min (12°~118°) at 60 cycle is available.

### Technic specification

|                                       |   |
|---------------------------------------|---|
| Model                                 | KC-12MAX3 super wasp                      |
| Cutting Capacity:                     | 5 to 100 mm                               |
| Bevels:                               | 0° to 45°                                 |
| Straight Cuts:                        | 1.8 m and multiples                       |
| Circle Cutting (Diameter):            | 40 to 2650 mm<br>80 to 800 mm/min (50HZ)  |
| Cutting Speed:                        | 100 to 1000 mm/min (50HZ)                 |
| Torch:                                | Injector Type to suit Acetylene / LPG     |
| Gas Connection (Fuel LH & Oxygen RH): | 1/4" G.9/16" etc.                         |
| Gross Weight:                         | 11.5kg W / 1 torch<br>16kg W / 2 torches. |
| Dimensions W/o rail (mm):             | 440 X 205 X 215                           |

### Travelling carriage

Not affected by intense heat and fluctuating voltage, the maximum driving mechanism ensures steady travelling. Speed Control Mechanism of KC-12MAX3 has adopted an exclusive double cone stepless speed control system (See the drawing), which functions with a condenser motor rotating at regular speed to prevent heat and voltage problems from occurring. No reduction gear is employed in the mechanism. Therefore, any knocking from backlash, noise or vibration does not take place. With entire use of heat-resisting grease, high temperature soldering and teflon wiring, heat protection is considered perfect and durable for long continuous operation. In addition, the condenser motor rotating at a constant low speed (1,500 r.p.m./50Hz) prolongs the service life of bearings and maintains the "maximum state" for a long period of time.



### KC-12MAX3 Super Wasp standard configuration

|              | S-100 Acetylene Kit | S-100 LPG Kit | S-200 Acetylene Kit | S-200 LPG Kit |
|--------------|---------------------|---------------|---------------------|---------------|
| Order No.    | KC12M3-100102       | KC12M3-100106 | KC-12M3-100102      | KC12M3-200106 |
| Torch Number | 1 torch             | 1 torch       | 2 torches           | 2 torches     |
| Track        | One 72" (1800mm)    |               |                     |               |
| Tips model   | ANME                | PNME          | ANME                | PNME          |
| Bevel shape  | I,V                 | I,V           | I,V,Y               | I,V,Y         |
| Power        | AC42/110/220V       |               |                     |               |

## KC-12MAX3 Super wasp



A super max that surpassed the max...

### PART 2 Cutting torch unit

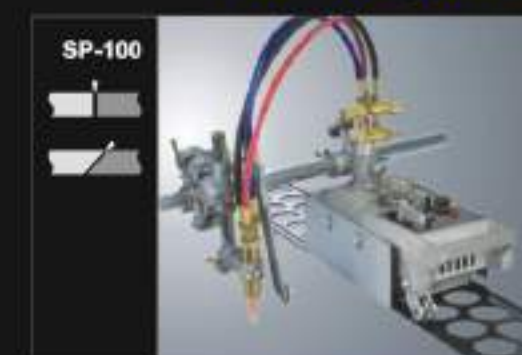
**S-100 For Square or V-Bevel:**  
Single torch unit equipped with a simple holder having no floating function.  
Standard pipe arm length: 400 mm.  
Vertical adjustment up to 65mm.



**S-200 For square, V, Y or X-Bevel cutting:**  
Two torch model of S-100.  
Standard pipe arm length: 600mm  
Balance weight attached. Bevel and parallel cutting possible.



**SP-100 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: 400mm ; Vertical axis steel pipe.  
Vertical adjustment up to 120mm.



**SP-200 For Square, V, Y, or X Bevel Cutting**  
Two torch model of SP-100 equipped with a plate rider having floating function to maintain distance between tip and workpiece. Standard pipe arm length: 600mm  
Balance weight attached.  
Bevel and parallel cutting possible.



**SP-300 (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.



**SP-400X1 (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.  
**SP-400X2 (without floating function) available**

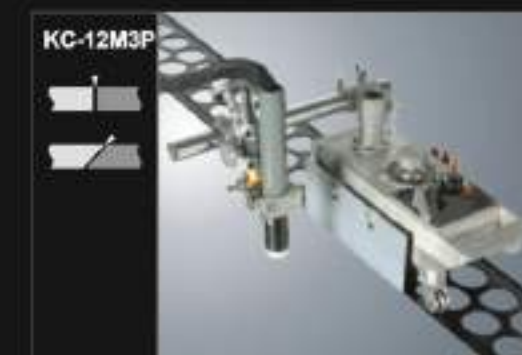
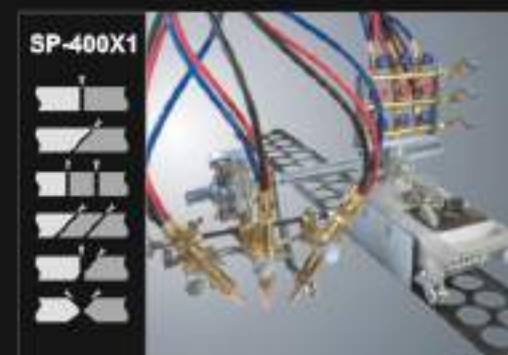


**KC-12M3P:** Uses expandable torch holder for use with most plasma systems using remote pendant supplied by the plasma Manufacturer.

**KC-12 MAX3**  
Portable Automatic Cut Length Measurement Machine - Automatic travel stop and gas shutoff at the end of preset cut distance.

- Features :**
- ◆ Equipped with solid state digital auto stop mechanism
  - ◆ Equipped with solenoid gas control
  - ◆ Efficient labor and gas saving

**KC-12 MAX4** The type with manual stopper is also available.







## KC-12MAX3 Super wasp

A super max that surpassed the max...

### PART 4 Unique mechanism

**Advance Form**  
Many cut-off spaces of the upper body makes observation of the wheel positions easier.

**Strong Heat Proof Board**  
Use of ceramic fibres remarkably improves heat proof effect.

**Sharply Designed Speed Dial**

**Light Clutch Handle**  
One of the important working elements that should be always reliable during operation. Nicely fitting to the operators hand.

**Improvement of Workability in Circle Cutting**  
Lower plate part of the body is cut open widely, which makes circle cutting easier.



**All-round Flat Surface**  
A universal type of flat surface usable for welding, plasma cutting, heating and defect detecting.

**Convenient Tip's Support**  
Protecting the cutting tip from flaws, a convenient support to hold 3 tips

**Smooth Speed Adjusting Dial**  
An easy accustoming design with a vernier to enable micro-adjustment.

**Bright Pilot lamp**  
A bright lamp to indicate power ON.

**Seat for fixing the Auxiliary Stability Wheel**  
This is designed to install the 4-wheel structure for better stability.

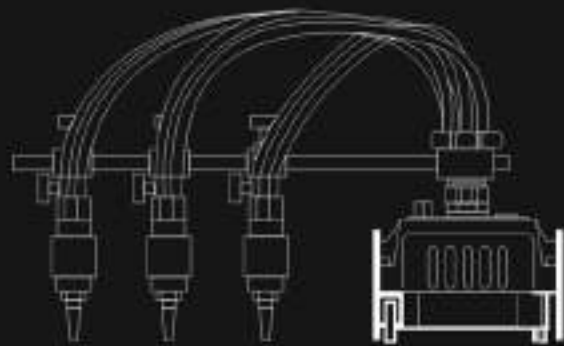
### PART 4 Plate track and accessories

#### Optional accessories

**Straight rail:**  
Each track of 1.6 m (72") long is extensible to the requirement  
**Circle cutting attachment:**  
Recommended for cutting circles of large diameter:  $\phi$  50~2,400 mm  
**Circle cutting rail:**  
Recommended for cutting circles of comparatively large diameter  
Cutting Range:  $\phi$  40~360 mm at inside and  $\phi$  1,150~2,400 mm at outside

#### Multiple - torch option

\*Pipe arm (Long type 1,000mm)  
Parallel cutting of wide products can be made with multiple torches



Long type arm for multiple-torch application



Circle cut w / radius rod

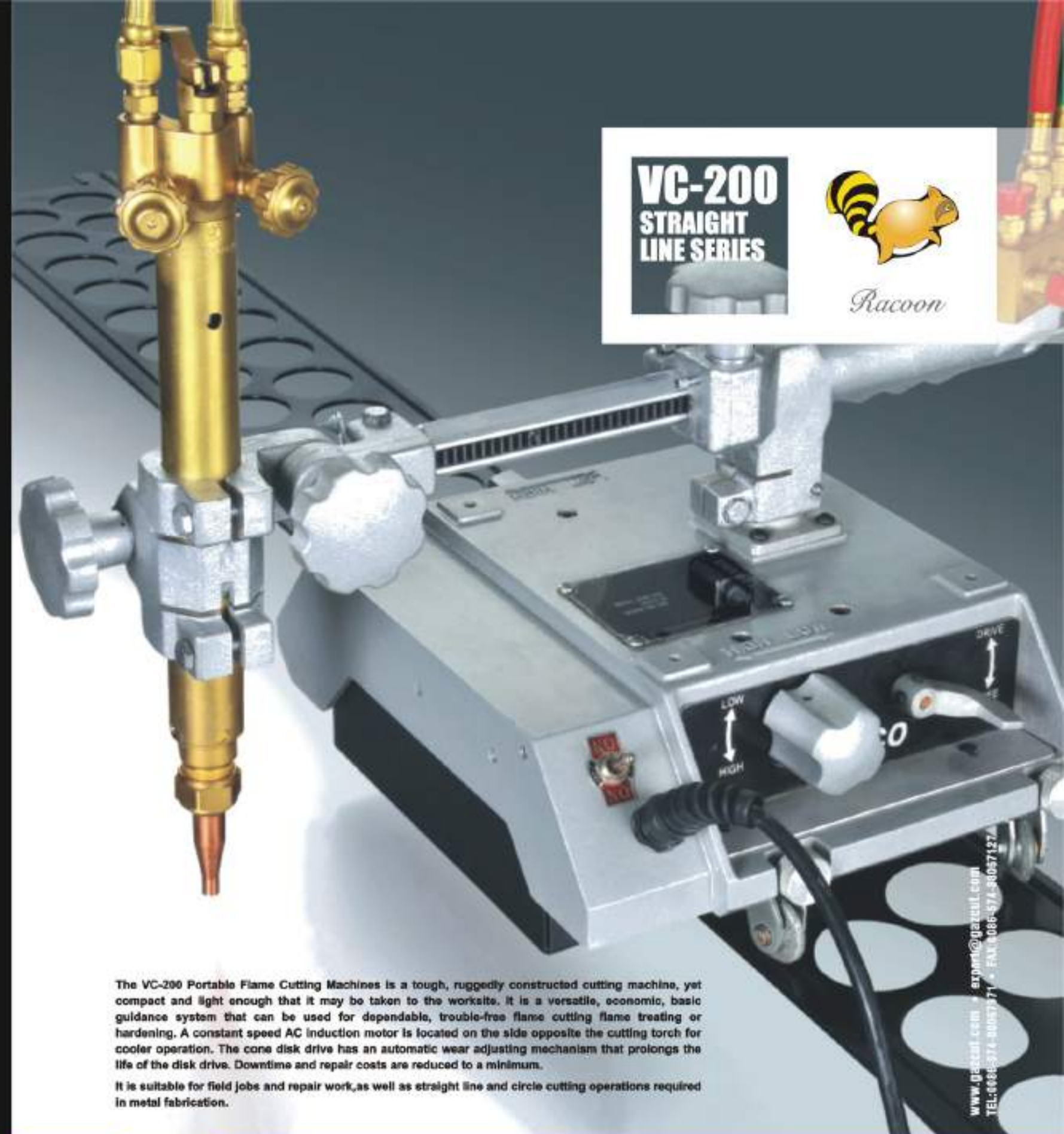


Circle cut w / circle rail

**VC-200**  
STRAIGHT  
LINE SERIES



Raccoon



The VC-200 Portable Flame Cutting Machines is a tough, ruggedly constructed cutting machine, yet compact and light enough that it may be taken to the worksite. It is a versatile, economic, basic guidance system that can be used for dependable, trouble-free flame cutting flame treating or hardening. A constant speed AC induction motor is located on the side opposite the cutting torch for cooler operation. The cone disk drive has an automatic wear adjusting mechanism that prolongs the life of the disk drive. Downtime and repair costs are reduced to a minimum.

It is suitable for field jobs and repair work, as well as straight line and circle cutting operations required in metal fabrication.

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TEL: 0086-374-8009371 • FAX: 0086-374-30057127



**Raccoon VC-200**  
PORTABLE FLAME CUTTING MACHINE



## VC-200 Raccoon

### Portable Flame Cutting Machine

#### Features & benefits

##### Operating Features:

- ◆ Makes straight-line cuts of any length.
- ◆ Makes bevel or chamfer cuts-Has calibrated scale for easy torch angle selection.
- ◆ Makes X, Y, V or K cuts with multiple torches for plate edge operation.
- ◆ Cuts strip with two or more torches for plate edge operating
- ◆ Dual speed and clutch controls makes the machine easy to operate from either end

##### Operating Features:

- ◆ Constant speed AC induction motor located on the side opposite the cutting torch runs cooler; therefore, the drive speed is not adversely affected by temperature.
- ◆ Speed regulation is as good at low speeds as it is at high speeds due to the cone disk variable speed drive and the AC induction motor.
- ◆ Flat top mounting surface has standard bolt pattern to accommodate MIG, TIG, plasma or other welding or cutting equipment.

##### Design Features:

- ◆ Integral carrying handle, light weight and balanced design allow the machine to be carried with one hand.
- ◆ A balanced design makes the machine stable when cutting, allowing a racking distance of up to 18mm from the machine with a standard torch, and no counter weight is required.
- ◆ Cone disk drive has an automatic wear adjusting mechanism which prolongs the life of the drive.

#### Standard configuration

VC-200HS is modified to operate with double the Max. speed of standard VC-200, has all the convenience and portability features of the standard VC-200 machine, plus a speed range of 5" ( 13cm ) to 120" ( 305cm ) / Minute. The VC-200HS has a flat mounting deck.

VC-200HT is modified to withstand 300° F continuous operating temperatures that affects usually in mill and foundry applications.

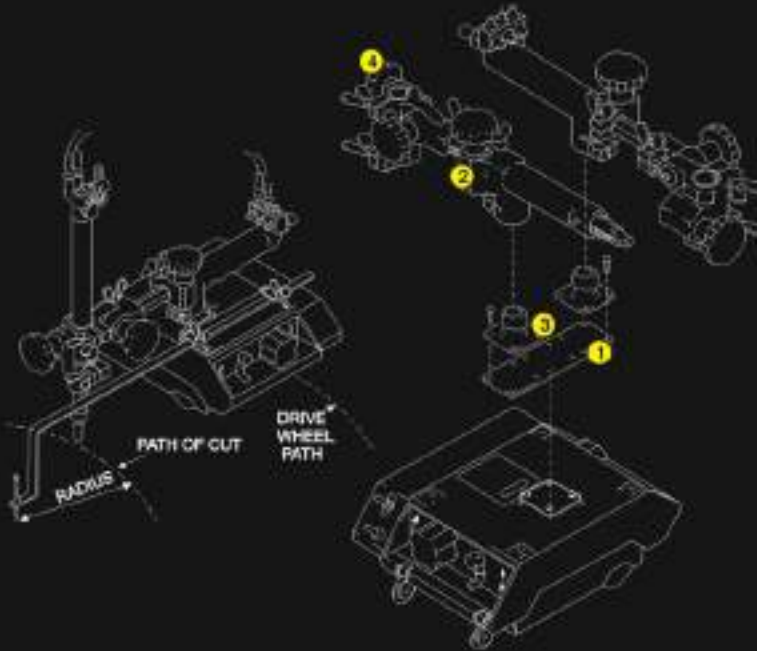
Same convenience, portability features and speed as that of the standard VC-200 ( Max temp 300° F ), plus the addition of a heat shield.

| Model No. | Overall dimension (mm) | Cutting thickness (mm) | Cutting speed (mm/min.) | Cutting Circle (±mm) | Weight (kg) |
|-----------|------------------------|------------------------|-------------------------|----------------------|-------------|
| VC-200    | 279×724×292            | 6-100                  | 26-1524                 | 102-2438             | 17          |
| VC-200HS  | 279×724×292            | 6-100                  | 127-3048                | 102-2438             | 17          |
| VC-200HT  | 279×724×292            | 6-100                  | 26-1524                 | 102-2438             | 17          |

Standard Track: 1,900mm

#### Circular cutting

The versatile VC-200 is a precision, tractor-type machine that can be used on its own track for straight line cutting and a variety of welding operations. Off track and with a radius rod assembly, the VC-200 can be used for circle cutting.



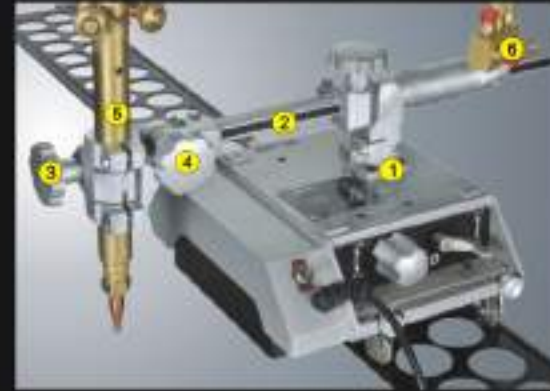
360° free-rotating torch pivot knuckle

360° free-rotating rack bar holder

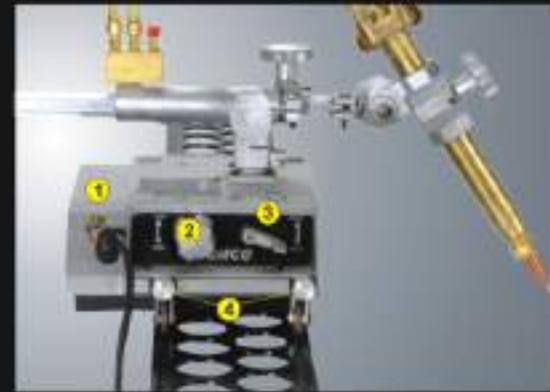
Victor style torch & tip

##### Optional dual-torch type

1. Dual torch mount plate
2. Rack handle assembly
3. Torch mount post
4. Torch holder



1. Single torch mount post
2. Rack handle assembly
3. Torch holder assembly
4. Torch pivot knuckle
5. Cutting torch
6. Distributor (manifold block)



1. Fwd-off-rew (ON/OFF) switch
2. Speed adjusting knob
3. Clutch control lever
4. Castor wheel locking knob



**GC-30**  
STRAIGHT  
LINE SERIES



**Chafer** ECONOMIC PORTABLE CUTTING MACHINE **GC-30**



# 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.

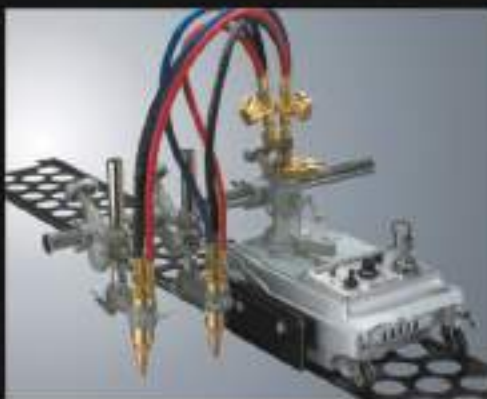
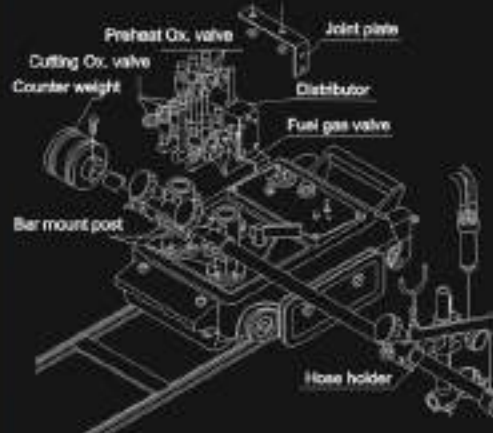
### Features & benefits

- 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 .

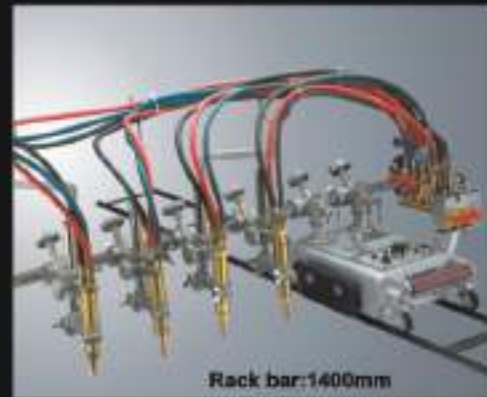


Chafer III/IV/V adopt the 2 mount posts structure to secure the rack bar. The hose holder on rack bar avoiding the long hoses twisting or being tangled. The distributor is placed at side for balancing purpose.

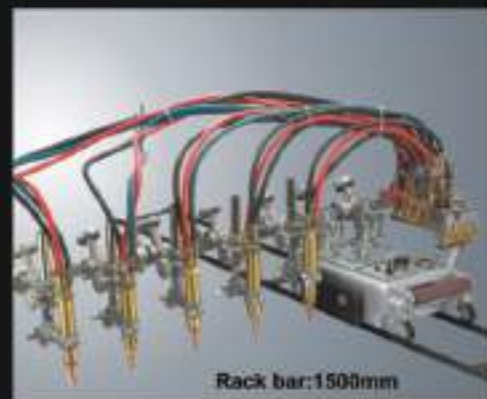
(Part of Chafer III shown below)



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 (± 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          |



# GC-30 Chafer

## 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:200mm; 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:800mm. Balance weight attached. Bevel and parallel cutting possible.

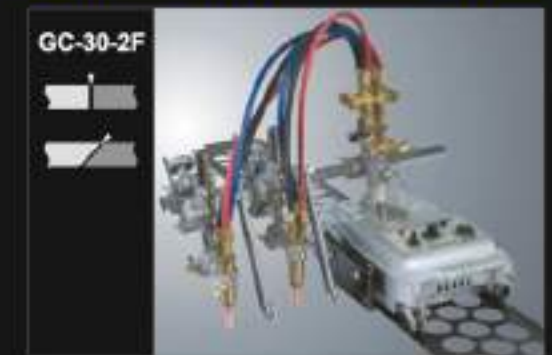
**GC-30-Y1 (Y-Cutting Unit)** For Square, V, Y, or X-Bevel Cutting: A combination unit of plate rider having floating function and 2 torches of V bevel block. Clean and sharp bevel V, Y and X cutting is ensured. **GC-30-Y2** (W/o floating function) available

**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

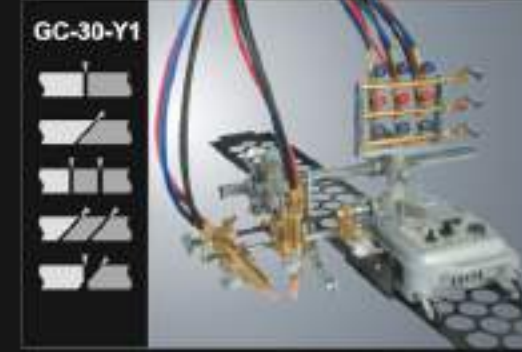
**GC-30-P:** Uses expandable torch holder for use with most plasma systems using remote pendant supplied by the plasma Manufacturer.



GC-30-1F



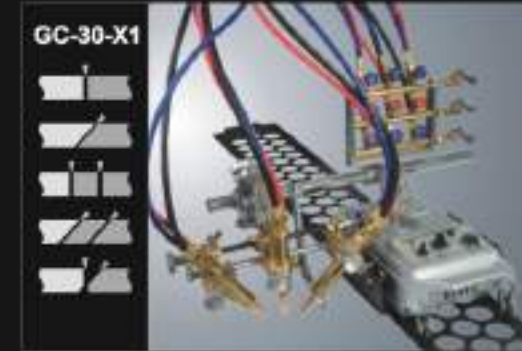
GC-30-2F



GC-30-Y1



GC-30-Y2



GC-30-X1



GC-30-X3



GC-30-X2



GC-30-P



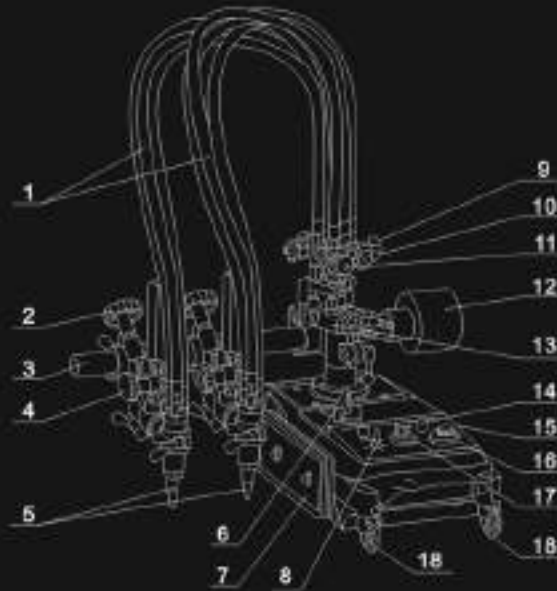
## GC-30 Chafer

### 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                                 |

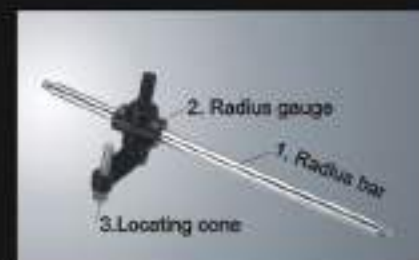


#### PART 4 Plate track and accessories



**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 50-4500mm. the plasma cutting is ideal for ferrous or non-ferrous such as Al plate, S.S plate cutting



##### Circle/Arc Cutting attachment

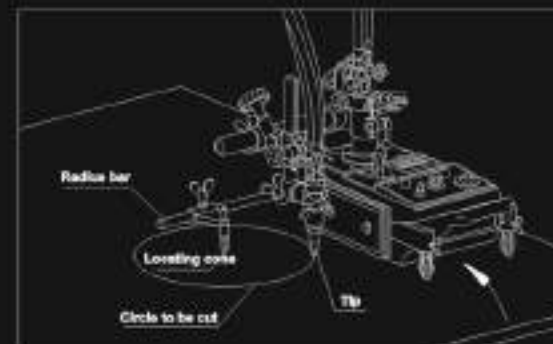
**Notes:** Make a center hole (slope 60°) at the circle center to fix the circle cutting attachment for both small or large circle cutting.

- 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 to 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.

##### Circle/Arc Cutting (with radius bar unit)



Small circle cutting



Large circle cutting



**GC-30B**  
STRAIGHT  
LINE SERIES



Camel



**Camel**  
Durable Portable Cutting Machine **GC-30B**

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## GC-30B/30C Camel

### Durable Portable Cutting Machine

#### GC-30B

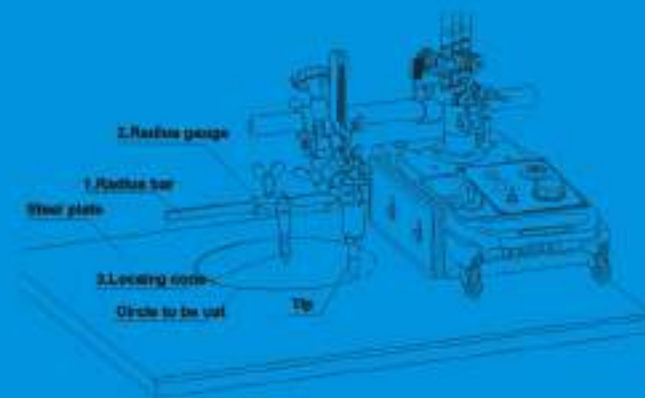
The machine is a very durable portable cutting machine with many copper parts on or inside. The machine can be installed with multiple torches for more choice. It applies for all types of straight line, circle, and bevel cutting by oxy-fuel flame (Acetylene or Propane) tips.

#### Features & benefits

- Compact structure- Strong and compact main body made of Al-alloy.
- Durable complete copper torch holders and rack holders. Worn-durable Worm and worm wheel built-in reduction system.
- 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.
- Standard configuration- 1pc adjustable radius bar/ 1pc 1.8m pored rail or 2pcs 1.8m H type rails/3pcs tips (Acetylene or propane).

#### GC-30C (Auto-ignition)

This model bears a built-in auto-ignition unit to have a more efficiency job application.



Circle cut application for both 30B / 30C

#### Standard configuration

| Model number | Dimension(mm) | Cutting thickness | Cutting speed | Cutting circle | Weight |
|--------------|---------------|-------------------|---------------|----------------|--------|
| GC-30B       | 435×210×240   | 8-100mm           | 50-750mm/min  | φ200-2000mm    | 16kg   |
| GC-30B II    | 435×210×240   | 8-100mm           | 50-750mm/min  | φ200-2000mm    | 18.5kg |
| GC-30C       | 435×210×240   | 8-100mm           | 50-750mm/min  | φ200-2000mm    | 17kg   |



GC-30D  
STRAIGHT  
LINE SERIES



Ladybird



GAZCUT

Ladybird Economic Portable Digital Cutting Machine **GC-30D**

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## GC-30D Ladybird

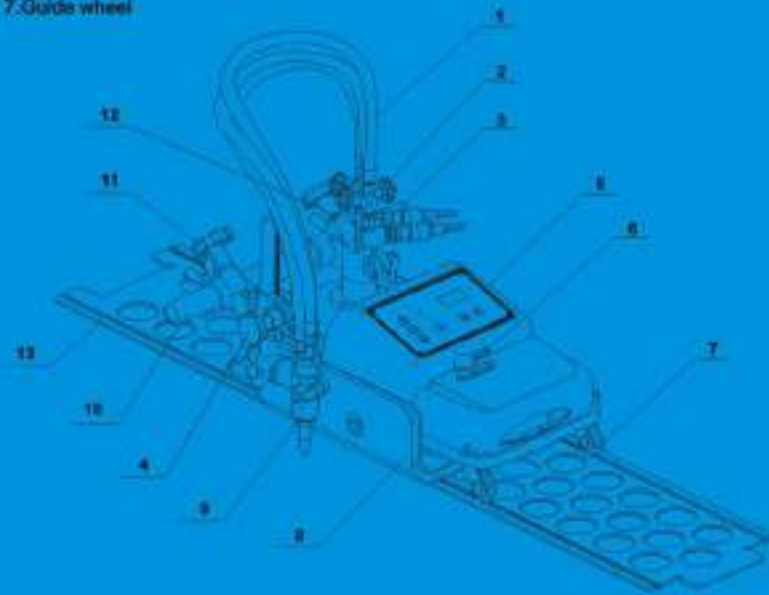
### Economic Portable Digital Cutting Machine

#### Features & benefits

- Strong and compact main body made of Al-alloy
- Integrated circuit speed regulation for more steady operation
- Quick connections fitted for quick hose installation
- One touch snap valve on pipeline unit for quick gas control
- Double-layer heat shield plate for more safety

#### Standard configuration

- |                    |                     |
|--------------------|---------------------|
| 1.Hose             | 8.Heat shield plate |
| 2.Gas valve        | 9.Torch             |
| 3.Distributor      | 10.Rack bar         |
| 4.Lift handle      | 11.Cross handle     |
| 5.Main body        | 12.One touch valve  |
| 6.Ball head clutch | 13.Rail             |
| 7.Guide wheel      |                     |



Single torch model GC-30D , for I,V shape cutting



Double-torch model GC-30D II, for multi-purpose (I,V,Y) cutting



Circle cut application with radius bar unit

#### Standard configuration

| Model No. | Dimension(mm) | Cutting thickness(mm) | Cutting speed(mm/min) | Cutting circle (φ mm) | Weight(kg) |
|-----------|---------------|-----------------------|-----------------------|-----------------------|------------|
| GC-30D    | 470×230×250   | 6-100                 | 50-750                | 200-2000              | 18.5       |
| GC-30D II | 470×230×250   | 6-100                 | 50-750                | 200-2000              | 23         |



## Mini-Crab

### Rectangular GAS Cutting Machine

## SPECIAL LINEAR CUTTER



Top view



Cross unit



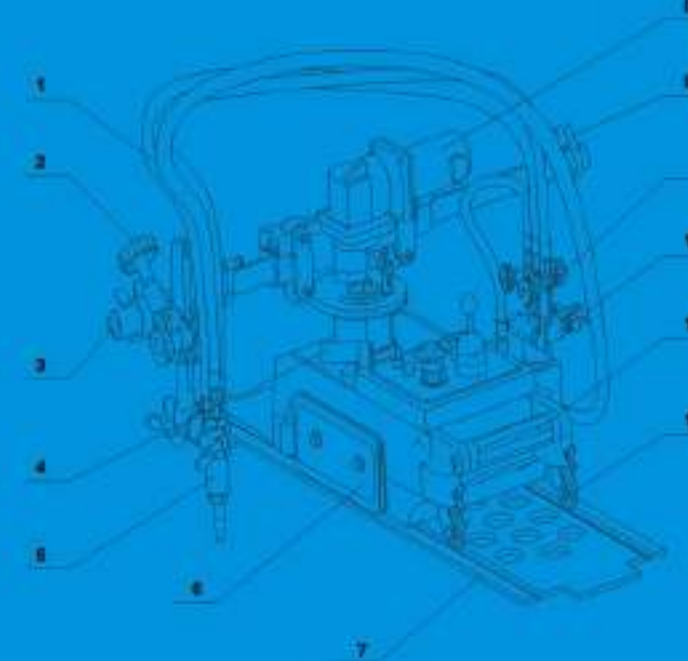
The machine is equipped with double motors, Motor A for cross cutting and Motor B for lengthways cutting. The machine can cut workpiece automatically into rectangular or parallelogram shape.

#### Features & benefits

- Compact structure - Strong and compact main body made of Al-alloy
- Easy handling - Silicon-controllable speed regulation
- Standard configuration - 1 set adjustable radius bar unit / 1pc 1.8m pored rail or 2pcs 1.8m H type rails/3pcs tips (Acetylene or propane)

#### Standard configuration

- |                                      |                      |
|--------------------------------------|----------------------|
| 1.Hose                               | 8.Cross feed Motor A |
| 2.Cross feed holder                  | 9.Limit block        |
| 3.Cross feed bar                     | 10.Four-way switch   |
| 4.Clutch handle (Left/off/right: on) | 11.Quick distributor |
| 5.Torch                              | 12.Handle            |
| 6.Heat shield plate                  | 13.Idle wheel        |
| 7.Rail (Pored)                       |                      |



#### Technical specification

| Cutting thickness | Cutting width (mm) | Cutting speed (mm/min) | Body size (mm) | Weight (kg) |
|-------------------|--------------------|------------------------|----------------|-------------|
| 6-100mm           | 300                | 50-750                 | 450×800×400    | 24          |



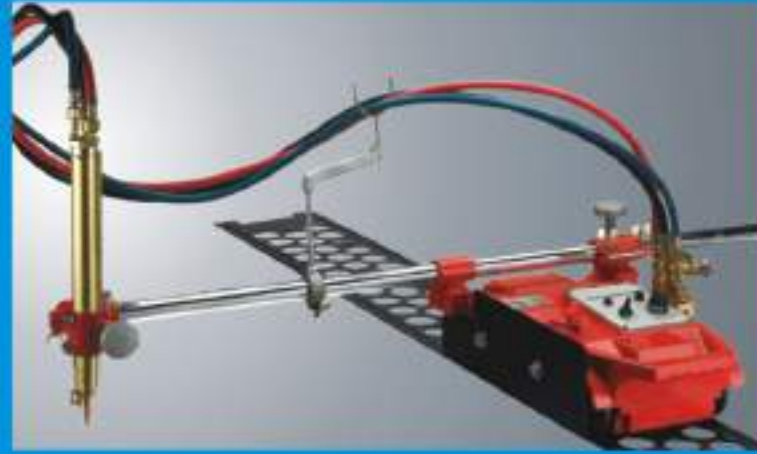
## GC-300 Zebra

### Medium Duty Plate Cutter

## SPECIAL LINEAR CUTTER

### Features & benefits

- ◆ Strong and compact main body made of Al-alloy
- ◆ Silicon-controllable speed regulation for easy operation
- ◆ Torch can be placed far from main body unit to avoid the high temperature affection.
- ◆ Heavy duty torches are equipped for thick plate or steel ingot cutting



### Technical specification

| Model No. | Cutting thickness | Cutting width(mm) | Cutting speed(mm/min) | Body Size (mm) | Weight (kg) |
|-----------|-------------------|-------------------|-----------------------|----------------|-------------|
| GC-300    | 50-300mm          | 710               | 50-750                | 510×380×240    | 23          |



## GC-350 Urus

### Super duty Ingot Gas cutter

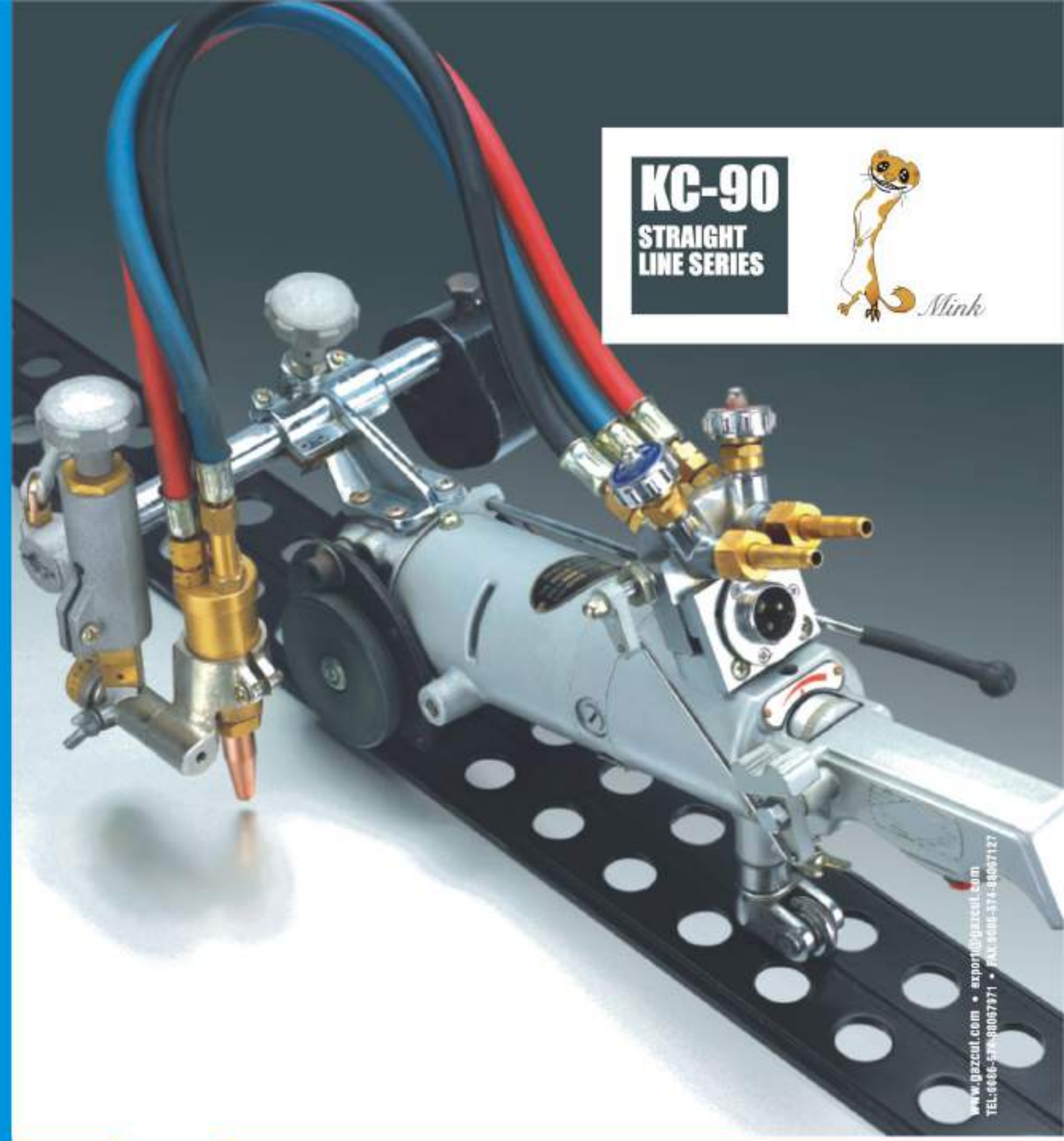
### Features & benefits

- ◆ Strong and compact main body made of Al-alloy
- ◆ IC control speed regulation for more steady running
- ◆ Torch can be placed far from main body unit to avoid the high temperature affection
- ◆ Heavy duty torches are equipped for thick plate or steel ingot cutting up to 350mm



### Technical specification

| Model No. | Cutting thickness | Cutting width(mm) | Cutting speed(mm/min) | Body Size (mm) | Weight(kg) |
|-----------|-------------------|-------------------|-----------------------|----------------|------------|
| GC-350    | 200-350mm         | 710               | 50-750                | 510×380×240    | 38         |



**KC-90**  
STRAIGHT  
LINE SERIES



**MINK** **KC-90**  
Versatile, handy-type cutting machine

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## KC-90 Mink

### Versatile, Handy-type Cutting Machine

Unique handy-type machine featuring highly accurate automatic straight line cutting and semi-automatocal (manually guided) curve cutting by one hand.

#### Features & benefits

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

Pistol Shape Control Grip - Versatile, handy-type cutting machine for high-quality straight line, curved line, and circle cutting

Circle cutting option - Radius bar cuts circles from 2" (50mm) to 22" (560mm)

Extendable 72in Track Sections - Cut longer parts

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

Travel direction - Forward/Reverse

Tracer guide roller - Optional (fitted for accurate edge finishing).



#### Linear cutting



#### Multiple application



Beveling & edge cut



Curve cutting by hand control manner



Circle cutting with radius bar unit (φ 50-560mm)  
Large diameter available by extending the radius bar.

#### Technical specification

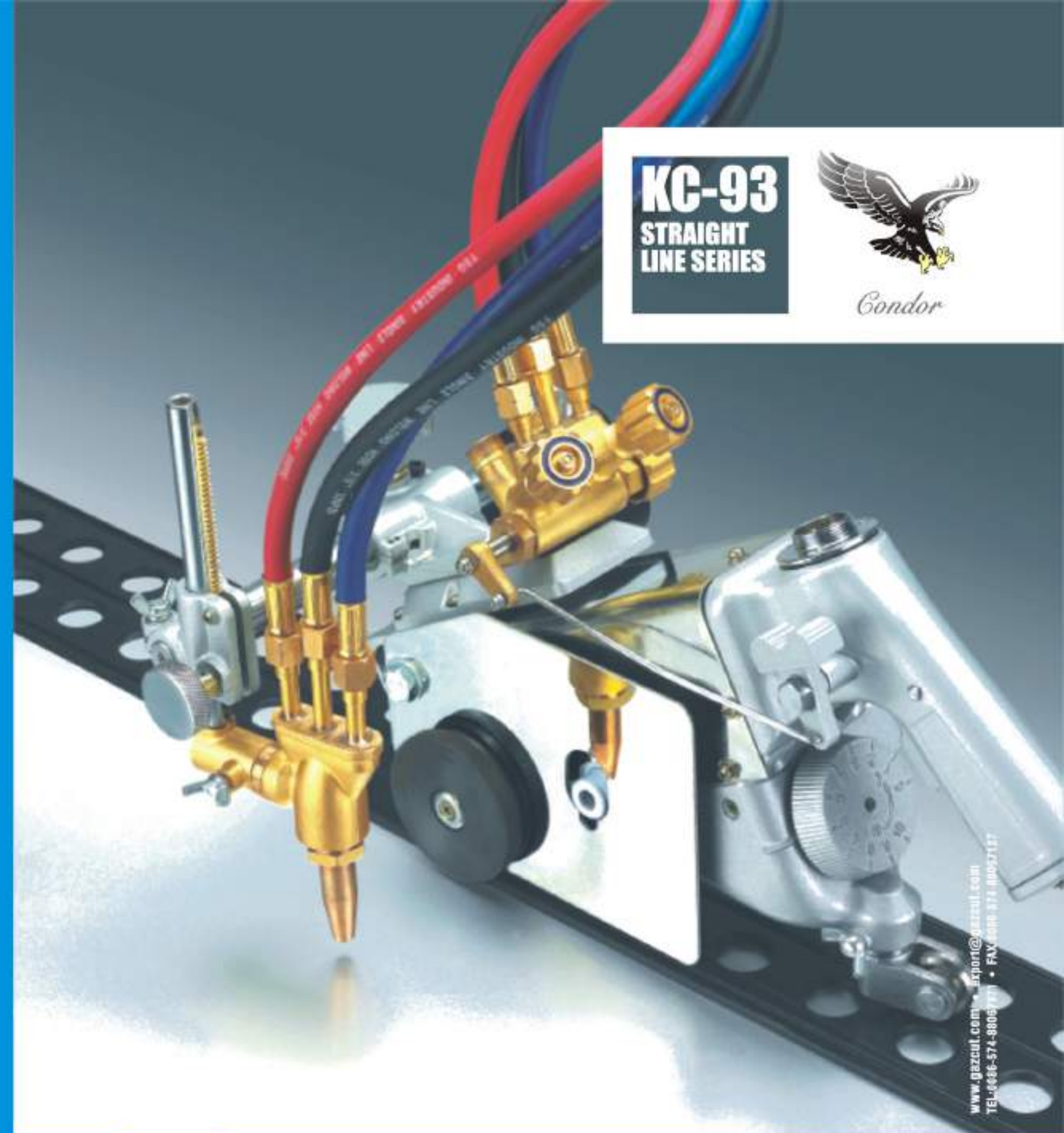
| Length | Wheel Span | Cutting thickness | Cutting speed  | Cutting circle | Weight(kg) |
|--------|------------|-------------------|----------------|----------------|------------|
| 460mm  | 100mm      | 3-63mm            | 150-1000mm/min | φ 50-560mm     | 0.60kg     |

# KC-93

STRAIGHT  
LINE SERIES



Condor



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# CONDOR KC-93

Versatile, handy-type cutting machine





## 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 1500mm (72") Track Selections** - out 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 II Edge-cut type.

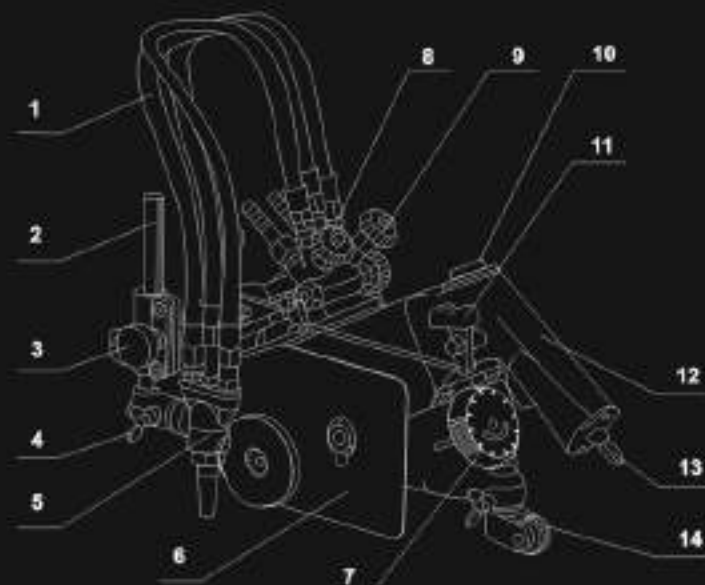
\* Bevels plate edge at top and bottom up to 45° with tracer guide roller instead of guide track.



#### 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     | 380mm  | 100mm      | 5-100mm           | 100-1000mm/min | 50-550mm       | 7.80        |
| KC-93II   | 402mm  | 100mm      | 5-100mm           | 100-1000mm/min | 50-550mm       | 12          |



## KC-93 Condor

### Versatile, Handy-type Cutting Machine

#### PART 2 Torch unit & Multiple purpose application



Standard KC-93(W/ type A cutting unit)



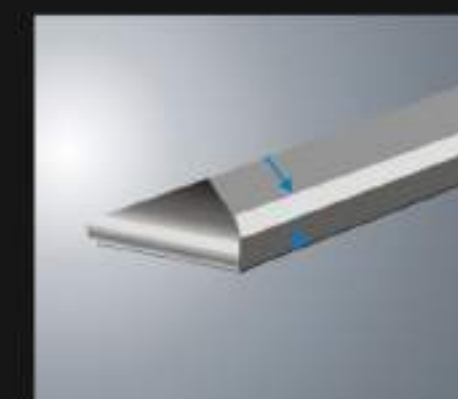
Type A cutting unit



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

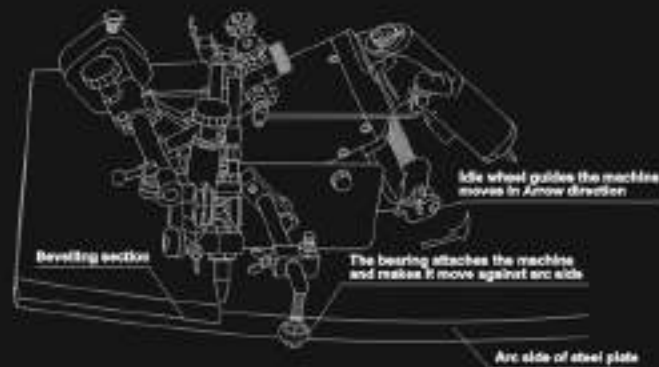
#### LINEAR CUTTING

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.



#### CIRCLE/ARC CUTTING ( WITH CIRCULAR CUTTING ATTACHMENT)

##### Small circle cutting



##### Large circle cutting

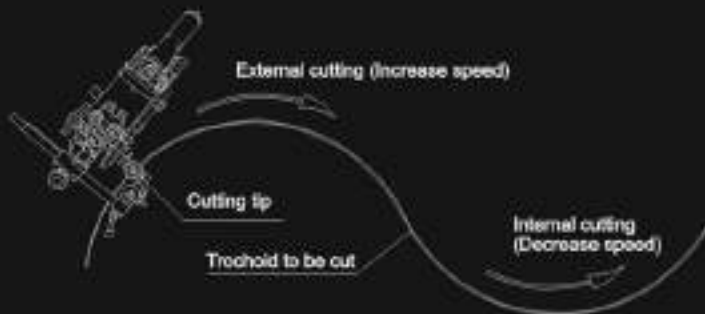


Note: Make a center hole (slope 60°) at the circle center to fix the circle cutting attachment for both small or large circle cutting.

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 to 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.

#### 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

# KC-5

**STRAIGHT LINE SERIES**

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# MICE KC-5

LIFTING EYE CUTTING MACHINE



## KC-5 Mice

### Lifting Eye Cutting Machine

#### KC-5

Spring drive method requires no electricity  
Designed for heavy duty outdoor use  
The light weight design makes it easy to use

#### Features & benefits

- ◆ It saves labor in terms of cutting off the lifting lug installed on the piece, in shipbuilding and in bridge building.
- ◆ Produces high quality cut face by using automatic cutting.
- ◆ Reduces finishing labor because there is no roughness of the cut face compared with hand cutting.
- ◆ When the lifting lug is recycled, the high quality cut edge may be used without further finishing required.
- ◆ Many unique features have been added based on the results of thoroughly researching user's field operation.
- ◆ Unique spring drive system. Steady cutting is possible even in severe working environments and use outdoors.
- ◆ The preset valve eliminates troublesome gas valve adjustments of the preheat flame.
- ◆ The cutting feed rate is a constant 400mm/min, using the spring drive method even when the work piece has surface rust.
- ◆ Various plate thicknesses can be cut using constant speed by simply adjusting the preheat flame.
- ◆ The curved cutting nozzle allows cutting extremely close to the work piece.



Light aluminum rail and grip



One-touch stop valve



Dedicated curved cutting nozzle



Strong body and easy operation

#### KC-5E with electric power drive



Powerful magnet force

#### KC-5 Technical specification

|                         |                     |                                |  |
|-------------------------|---------------------|--------------------------------|--|
| Cutting plate thickness | 50 mm               | The total length               | 740 mm                                     |
| Cutting speed           | 400 mm/min constant | Effective cutting length       | 380 mm                                     |
| Speed control           | Spring drive method | Weight                         | 5.9 kg                                     |
| Direction of cutting    | One direction       | Nozzle (Special nozzle:only#3) | ANME LUG (Propane)<br>PNME LUG (Acetylene) |
| Cutting position        | Only the horizontal |                                |  |
| Gas operation           | With preset valve   |                                |  |

#### 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. Powful application for straight cutting, curve cutting, bevelling cutting, circular cutting, pore cutting, H-beam cutting

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CURVE  
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**HUMMER**  
**PORTABLE AUTOMATIC HAND**  
**CUTTING TORCH**

**HANDY AUTO**



**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.

**Standard configuration**



**Multi-purpose use**

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.



◆ 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 PNME : #0, #1, #2 | 1 each   |
| 8   | Spanner for nozzle replacement        | 1        |
| 9   | Fuses ( 1A )                          | 2        |
| 10  | Carrying case                         | 1        |



Small circle cutting attachment 30-120mm



Beveling wheel set



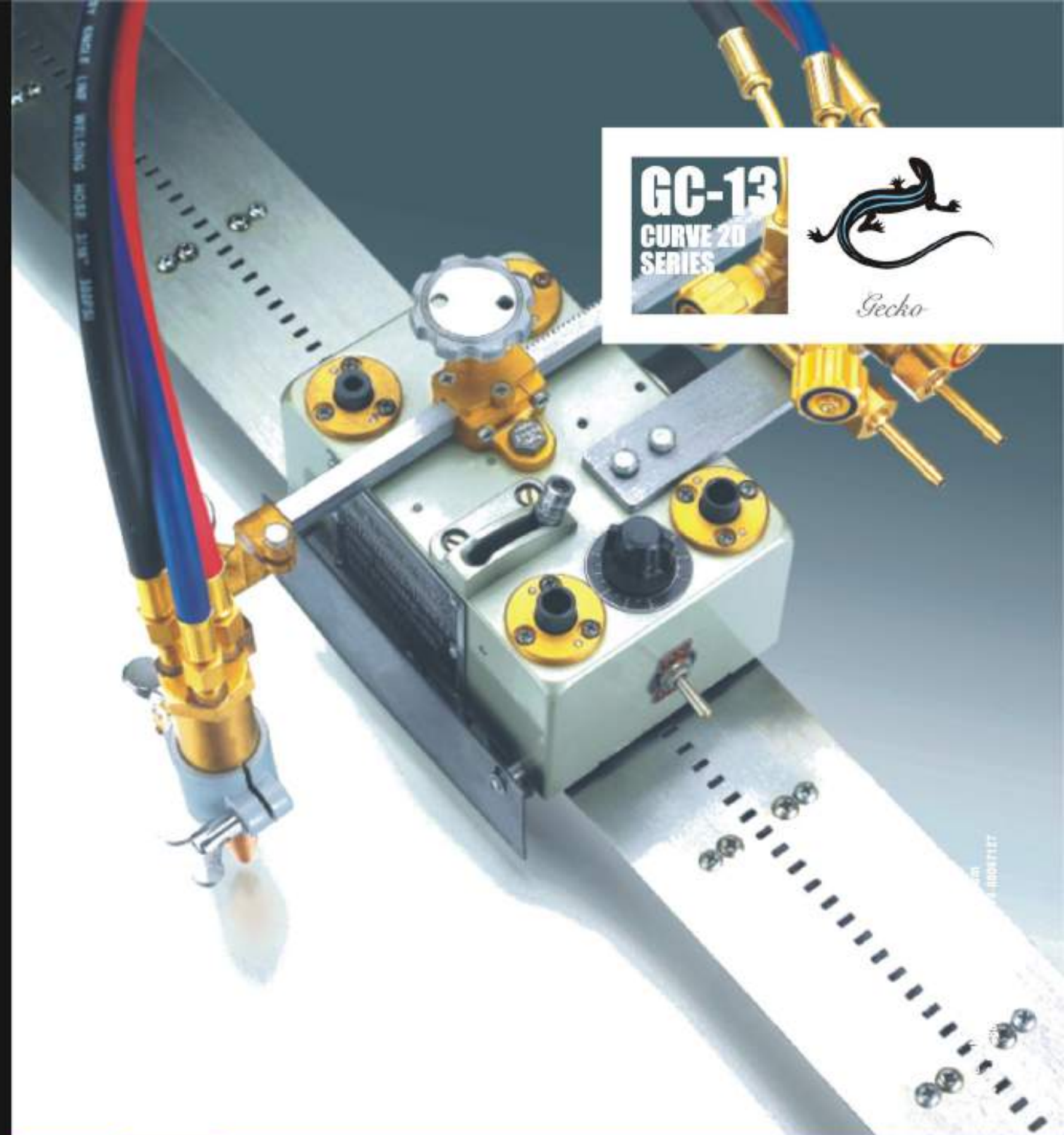
Large / X-large circle cutting attachment 120-500 / 120-1,000mm (Optional)



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 transistor | 500mm  | 5-30mm            | 150-530               | 3.50       |
| Handy Auto (Hummer STD)<br>W/o the ignition function |                |               |        |                   |                       |            |



**ALL POSITION PORTABLE CUTTING MACHINE W/2D RAIL** **GECKO GC-13**



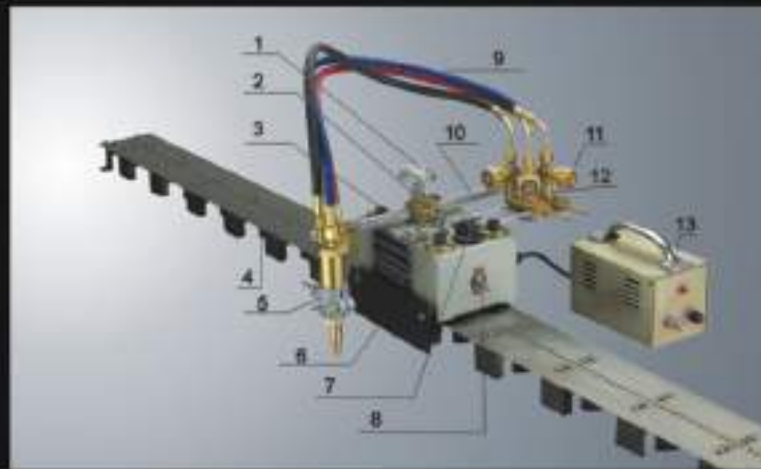
## GC-13 Gecko

### All Position Portable Cutting Machine W/2D Rail

#### Features & benefits

GC-13 is a multi-direction gas cutting machine, features compact and portable, it's easy to operate with silicon controllable speed regulation. The machine is equipped with 2D flexible magnetic steel rail witch can be attached to the flat or curved surface. The machine can operate for cross cutting, vertical cutting, down-up cutting and curved face cutting. The machine is used for ship, vessel, dome and tank/building repair.

#### Standard configuration



- |                                      |                            |
|--------------------------------------|----------------------------|
| 1. Cross feed holder                 | 8. Forward/Backward switch |
| 2. Clutch handle                     | 9. Hose                    |
| 3. Adjusting screw for locating unit | 10. Racking bar            |
| 4. Magnet rail                       | 11. Gas valves             |
| 5. Torch holder                      | 12. Distributor            |
| 6. Balancing handwheel               | 13. Transformer box        |
| 7. Speed knob                        |                            |



2D Magnet rail: Standard configuration with 13 pcs AuLiCo magnetic blocks, Pls charge for your first application and recharge after long use to keep the enough magnetic force

#### Multiple-direction cutting

Vertical cutting



Horizontal cutting



Curve cutting



Upside down cutting



#### Technical specification

| Body size                  | Speed control | Cutting thickness | Cutting speed | Rail curve | Weight  |
|----------------------------|---------------|-------------------|---------------|------------|---------|
| 230×200×230mm <sup>3</sup> | Silicon       | 5-30mm            | 100-750mm/min | R≥700mm    | 15.50kg |



KC-72T  
CURVE 3D  
SERIES



Snake

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**SNAKE**  
PORTABLE AUTOMATIC ALL-POSITION CUTTING  
MACHINE/3D RAIL

# KC-72T



## KC-72T Snake

### Portable Automatic All-position Cutting Machine/3D Rail

The Gazcut KC-72T cuts various types of steel including channel, curved plate and angled steel members and the like. It is very compact and light, easy to manipulate, ideal for ship, vessel, dome and tank/building repair.

#### Features & benefits

**Permanent Magnet Track** - Secures track to plate; allows track to be used vertically.

**3D 1,000mm Extendable Flex Track** - Make straight cuts and twisted plane cuts; extendable track allows cutting of longer parts. 2000mm (66") minimum curve radius.

**Clutch Lever Releases side rollers** - Allows quick positioning of machine on rail.

**Application** - High precision cutting for I/V application

**Multi-purpose** - Can be equipped with different rail for multiple job application  
**Easy carry** - Weighs only 5kg and it's easy to handle.

#### Multi-purpose application

From flat to multi-plane surfaces, the KC-72T can cut various types of steel shape, such as channel, curved thin plate, thick flat plate or vertical plate, angled steel members and the like.

Three kinds of rails are provided for maximum job application:

1D rail (Straight plane/ aluminum) 1.5m/ 10kg-with magnets

2D rail (Double plane/rubber):1.0m/6.5kg-with magnets

3D rail (Triple plane/rubber):1.0m/6.5kg-with magnets

Select the most suitable for the exact cutting precision requirements.

1D rail (Straight plane )

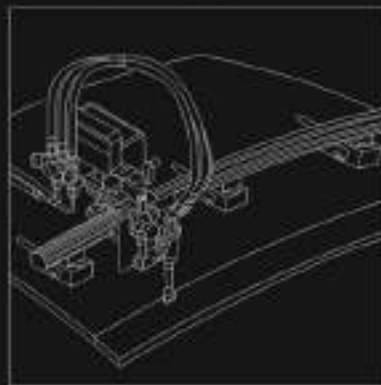
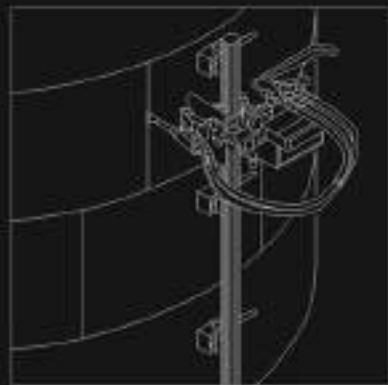
2D rail (Double plane)

1D (up)+1D (down)

3D rail (Triple plane)

1D (up)+1D (down)+1D (twist)

Vertical cutting is possible



#### Example: Application in shipbuilding & vessel



Fabrication of ship vertical subsection or integrate section assembly of ship fore or stern



Fabrication of middle vertical subsection or integrated section of hull or shipboard



Large and middle size pressure vessel fabrication



#### Technical specification

|                            |                             |
|----------------------------|-----------------------------|
| Cutting thickness          | 5-50mm                      |
| Minimum curved line length | 2,000mm radius(60°) 3D rail |
| Cutting speed              | 150-750(mm/min)(8-30°)      |
| Speed control              | Triac variable resistor     |
| Drive method               | Rack and pinion             |
| Beveling angle             | 0-45°                       |
| Power source               | AC 110/220V, 50/60Hz        |
| Body size (mm)             | 190×195×140                 |
| Weight                     | 5.0kg without rail          |



GC2-150  
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SERIES



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**MONKEY GC2-150**  
OUTSIDE PROFILING CUTTING MACHINE



## GC<sub>2</sub>-150 Series Monkey, Ape, Bear

### Outside Profiling Cutting Machine

GC<sub>2</sub>-150 Monkey, Standard type  
GC<sub>2</sub>-150 Ape (Rail type)

GC<sub>2</sub>-150A Monkey A (Big size)  
GC<sub>2</sub>-150T Bear (Thick plate 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°.

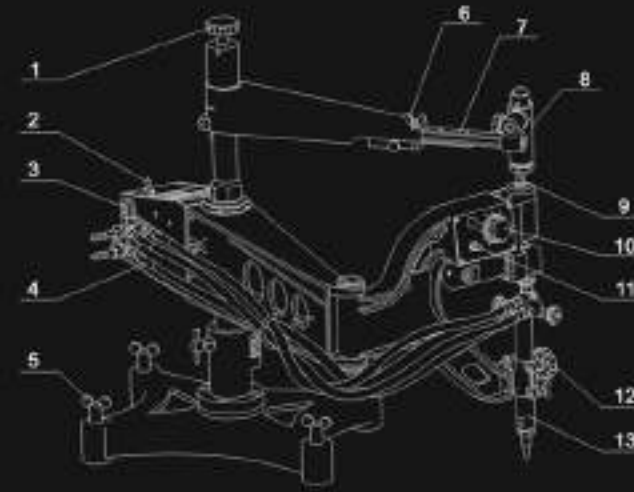
#### Features & benefits

- ◆ 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 | 8. Template holder       |
| 2. Power switch                   | 9. Magnet head           |
| 3. Power socket                   | 10. Speed control dial   |
| 4. Hose                           | 11. Direction switch     |
| 5. Bottom fixing screw            | 12. Torch lift handwheel |
| 6. Arm locking screw              | 13. Torch                |
| 7. Arm                            |                          |

#### Technical specification

| Model                             | GC <sub>2</sub> -150/150R             | GC <sub>2</sub> -150A                       | GC <sub>2</sub> -150T      |
|-----------------------------------|---------------------------------------|---|----------------------------|
| Rectangle cutting area            | 400×900 mm<br>450×750 mm              | 340×1700 mm<br>500×1650 mm                  | 400×900mm<br>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               | φ 20-600                              | φ 20-1800                                   | φ 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              |

## GC<sub>2</sub>-150 Series Monkey, Ape Bear



### Outside Profiling Cutting Machine



GC2-150R

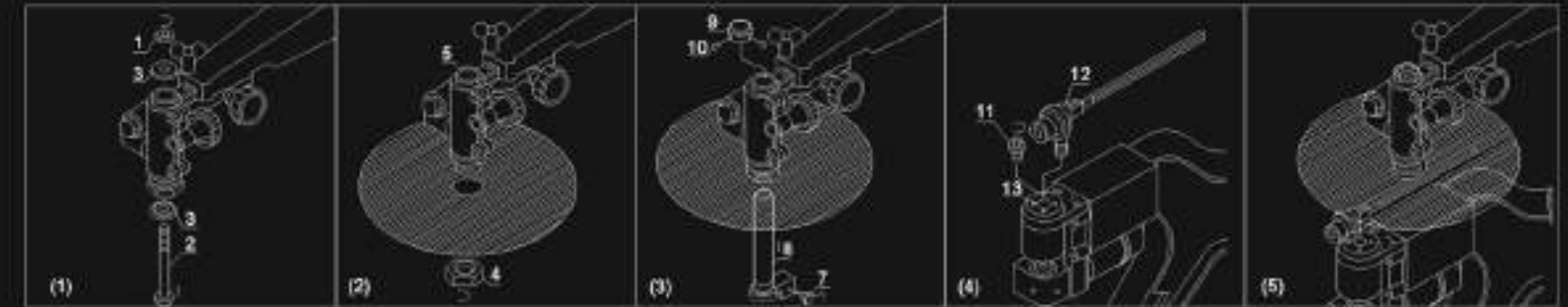


GC2-150A



GC2-150T

#### Circle Cutting Unit Installation

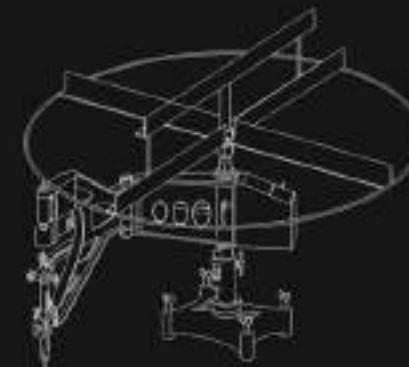


#### STEPS AS BELOW:

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 φ 800mm-1800, drill first a hole φ 36mm, dismantle the arm assembly and arm assembly tube 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    | 1900×1900mm                           |
| Circle cutting area    | ∅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   | 3pcs 1,2,3# each( LPG or Acetylene) |
| 4.Power cord set  | 1                                   |
| 6.Inlet connection  | 1set                                |
| Standard Auxiliaries  |                                     |
| 1.Circle cutting unit   | 1set                                |
| 2.Befance weight  | 1set                                |
| 3.Circle template   | 1pc                                 |
| 4.Angle bar and template tube connection ( Only for GC2-150A) | 1pc each                            |
| 5.Rail (Only for GC2-150R)                                    | 1pc                                 |
| 6.Heat shield board only for GC2-150T                         | 1pc                                 |



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**PEGASUS**  
OUTSIDE PROFILING CUTTING MACHINE **KC-54D**





## KC-54D Pegasus

### Outside Profiling Cutting Machine

The KC-54D is a quality constructed, hard-working gas shape cutter for high production accuracy. Compact and simple to operate, this fine machine is most at home doing highly repetitive work where it can continuously produce the same precision flame cuts by following a steel template. A powerful magnet roller smoothly guides the cutting torch around any shape, cutting steel plate up to 4" thickness.

Weighing at only 33 kg, it can be carried anywhere, and its versatility of performance meets your exact cutting needs. It offers all the convenient features of more expensive machines with no sacrifice in operational ease and dependability and promises to be an efficient time and labor saving addition to your working inventory.

#### QUALITY CONSTRUCTION

The KC-54D is ruggedly constructed in three main sections: the body, the template-fitting arm assembly and the stand. The body consists of the pantograph, jaw, magnetic tracing system mounted securely on the upper jaw and an exclusive cutting torch mounted to the lower jaw. Control functions are conveniently concentrated on the jaw side.

The torch can be swiveled up for easy replacement of the tip and maintenance. The 25/64-inch diameter (10mm) standard magnetic roller follows the shape of the steel template fixed to the template holder and accurately guides the cutting torch. Besides the standard roller, optional rollers of various diameters (8,12, and 20mm) are available for use with this machine. A change of rollers permits cuts of different size with the same template.



Note: Shown is the type with electromagnetic control tracer. Standard configuration is with permanent magnet tracer.

#### Features & benefits

**CONVENIENCE**-An automatic switch permits simultaneous actuation of the cutting oxygen and the motor. The adjustment and control functions are conveniently, located on the jaw, and all operations have been simplified for labor saving and dependability.

Easy vertical and horizontal adjustment of the template holder facilitates centering and flange cutting.

**ACCURACY**-An extremely powerful permanent magnetic roller ensures precision conformity to complicated template shape by preventing slippage during the operation. A S.C.R. control system is employed in this machine so that cutting speed is highly stable.

**CAPABILITY**-Effective cutting range is greatly extended. In circle cutting, the maximum diameter is 700mm by using the appropriate attachment, cutting circle diameter is extended up to 1,700mm. The cutting speed also ranges widely from 100 to 1,000mm/min (3-15/16 to 39-13/32 in/min) and the optimum speed for the thickness of the plate being cut is easily obtainable.

Automatic circle cutting attachment w/ motor

Part No. KC-P24 optional

The unit is specially set for KC-54D to make a circle out (range Dia. 60-750mm) without a template.



- 1. Motor
- 2. Template connection
- 3. Speed reduction unit
- 4. Rotator
- 5. Slide bar (Graduated)
- 6. Rotator holder
- 7. Rotation spindle
- 8. Electromagnetism control switch (Optional)
- 9. Circle diameter adjustment handle
- 10. Circle cutting socket

#### Main configuration



- 1. Arm
- 2. Template holder
- 3. Template
- 4. Magnet head
- 5. Magnet roller
- 6. Motor
- 7. Speed control dial
- 8. Power switch
- 9. Auto switch (Off-On)
- 10. Torch

#### Technical specification

|                        |                                       |
|------------------------|---------------------------------------|
| Rectangle cutting area | 300×1300 mm                           |
| Square cutting area    | 1,200×1,200mm                         |
| Circle cutting area    | φ 30-700mm                            |
| Max. cutting length    | 1300mm                                |
| Max. cutting thickness | 3-100 mm                              |
| Cutting speed          | 100 -1,000 mm/min                     |
| Torch                  | Injector type to suit Acetylene / LPG |
| Control                | S.C.R. control                        |
| Gross weight           | 33kg                                  |
| Dimensions (mm)        | 1,100 × 500 × 700                     |



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



## KC-82M Eye-eye

### 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 | 200×600mm                    |
| 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 18kg |

#### 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.

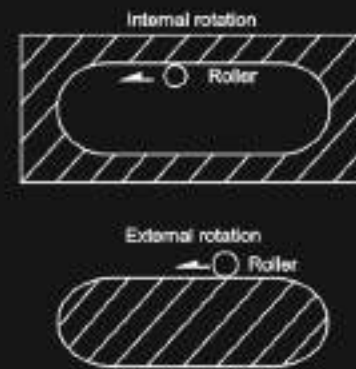
#### LIGHT-WEIGHT AND RUGGED ARM BY STAINLESS STEEL PIPE STRUCTURE

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 6mm 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-1**  
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**OTTER KC-1**  
PORTABLE CIRCLE BEVEL & CUTTING MACHINE



## KC-I/KC-II Otter

### Portable Circle Bevel & Cutting Machine

Take it anywhere, and see for yourself that cutting circles in flat, angled or wall surfaces can be done faster and easier and that the quality result will be better.

#### Features & benefits

Oxy-fuel Circle Cutter - Bevel or straight cut circles or holes

Rotating Gas Manifold - Keeps hoses from becoming tangled

Electro or Permanent Magnet - Holds machine to surface; electro magnet allows use on vertical surface

Large Lifting Handle - Makes this portable machine easy to carry and set-up

Moving Center - No melting loss of center with extremely small circles as center retracts

Excellent Cutting Capability - Cut circle diameters ranging from 40mm - 200mm cut in plates with a thickness extending up to 30mm (1 3/16); beveling from 0°-45° possible

#### Standard configuration

Type II shown below. Type II-200 and type II-400 both have the same configuration



1. Rotatable distributor
2. Gear box
3. Motor
4. Gas distributor
5. Distributor hose
6. Center
7. Cutting tip
8. Grip
9. Control panel
10. Magnet
11. Auxiliary leg
12. Torch feed holder



TYPE II-200 with permanent magnet



TYPE II-200 with electromagnet



Beveling



Vertical cutting

#### Technical specification

| Model No.                                     | Cutting thickness | Beveling angle | Circle Diameter (mm) | Torch speed (rpm) | Clamping system  | Body Size(mm) | Weight(kg) |
|---|-------------------|----------------|----------------------|-------------------|------------------|---------------|------------|
| KC-I-200                                      | 6-30mm            | 0-45°          | 40-200               | 0.5-6.5           | Permanent magnet | 410×450×395   | 11.2       |
| KC-II-200                                     | 6-30mm            |                | 40-200               |                   |                  | 410×450×395   | 11.5       |
| KC-II-400                                     | 6-30mm            |                | 40-400               | 0.04-1.5          | Electromagnet    | 500×450×395   | 12.2       |
| AC42/110/220V 50/60HZ Speed control by S.C.R. |                   |                |                      |                   |                  |               |            |

**KC-600**  
CIRCLE  
SERIES



PORTABLE SINGLE PURPOSE CIRCLE CUTTER

**SEAL KC-600**

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## 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

Oxy-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 place  
 Larger Version of Oter - Cuts larger circles and holes  
 Stand - Allows Vertical Use; Cut upright or inclined plate

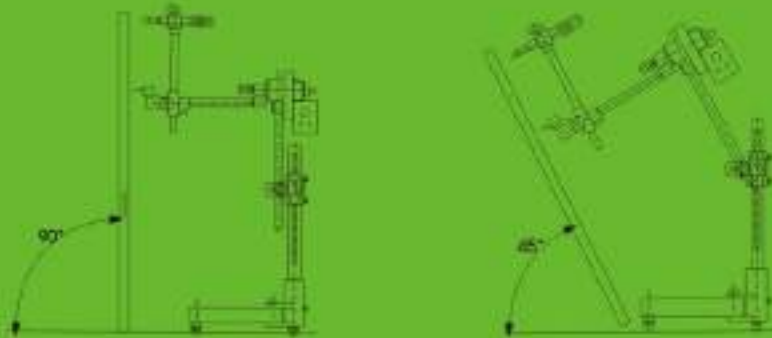
#### Main configuration



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  $\pm 1000\text{mm}$ . This type adopts the KC-54D type support with counterweight.



KC-1000II

This model is especially equipped with 2 torches for flange cut. 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<br>300-800 outside |
| Cutting thickness      | 6-50mm                    | 6-50mm                   | 6-50mm                            |
| Torch rotation (u/min) | 0.2-0.60                  | 0.04-1.5                 | 0.04-1.5                          |
| Bevel shape            | 1 V(0-45°)                | 1 V(0-45°)               | 1                                 |
| Speed control          |                           | S.C.R. control           |                                   |
| Power                  |                           | AC110/220V, 50/60Hz      |                                   |
| Weight                 | 28kg, w/ standard support | 50kg, w/ special support | 65kg                              |
| Body size (mm)         | 750 x 300 x 700           | 1200 x 340 x 700         | 1200 x 340 x 700                  |



**KC-2H**  
H-BEAM  
SERIES



Crocodile



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

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## 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 gascutting 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 Automated** - Using a 4-way switch lets the cutting oxygen out for smooth cutting.

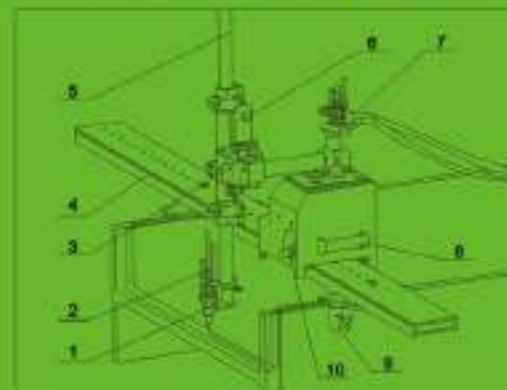
**Functional and Simple Controls** - Power switch, speed control, 4-way torch direction switch, rapid traverse, and indicator lamp are all grouped for ease of use.

**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. Carriage handle
9. Fixing base
10. Clutch



KC-2H Shown  
KC-2HL has the same configuration



#### KC-2HL

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.

#### Capacity



Diagonal web cutting:  
30° at 400mm max. diagonal web length for KC-2H  
1200mm max. diagonal web length for KC-2HL



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



Web cutting



Flange cutting

Right-angle cutting  
A=150-300mm B=150-400mm (KC-2H)  
A=150-1800mm B=150-800mm (KC-2HL)  
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 set by adjusting the rail or the vertical rack bar and the result is a high precision diagonal cut that is clean and sharp, and you get the best flange bevel cuts.

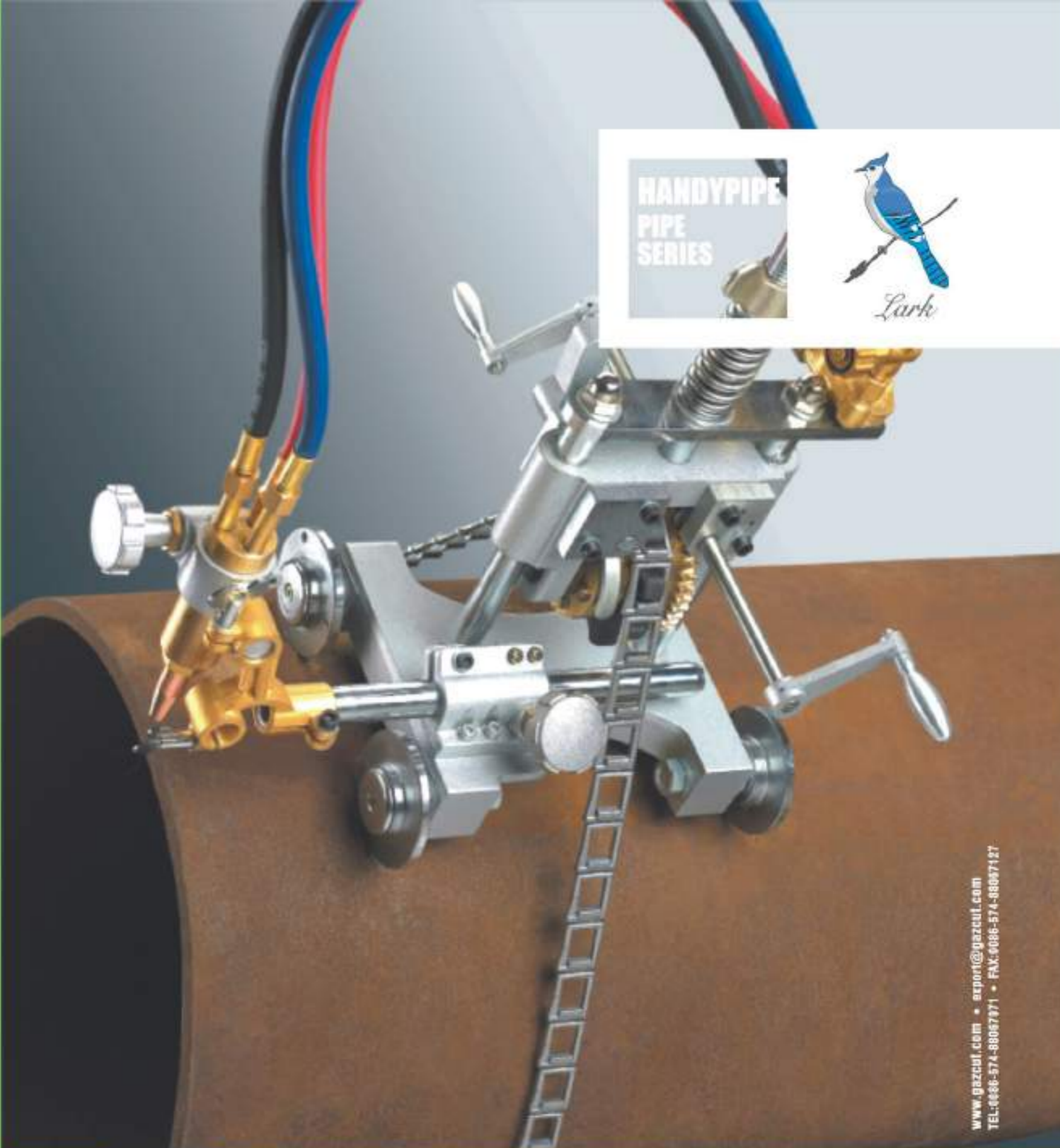
#### Technical specification

|                    | Web cutting   | Flange cutting   |
|--------------------|---|------------------|
| Cutting capacity   | 5-60mm  |                  |
| Cutting speed      | 100-700mm/min(4-28ipm)                                  |                  |
| Cutting dimensions | See above   |                  |
| Total weight       | 29kg(KC-2H), 38kg(KC-2HL)                               |                  |
| Power              | 110V/220V, 60HZ/60HZ                                    |                  |
| Main body size(mm) | 250 × 176 × 250 for KC-2H<br>400 × 340 × 440 for KC-2HL |                  |
| Speed control      | S. C. R.  |                  |
| Drive              | Friction roller   | Rack and pinion  |
| Rail               | 1,300mm (KC-2H)   | 2,290mm (KC-2HL) |
| Attaching device   | Clamping bolts  |                  |

HANDYPIPE  
PIPE  
SERIES



Lark



HAND CRANK PIPE CUTTING MACHINE

LARK HANDYPIPE



## HANDYPIPE Lark

### Hand Crank Pipe Cutting Machine

This manually operated portable oxy-fuel pipe cutting machine uses a chain and gear drive system. The drive chain is comprised of durable, interlocking links that can easily be added or removed for quick change of pipe diameters. A graduated bevel collar ensures accurate bevel setting. The control valves for fuel, preheat oxygen and cutting oxygen are positioned away from heat yet conveniently placed for easy operator use.

#### Features & benefits

Oxy-fuel Pipe Cutter - Bevel cut or straight cut steel pipe  
 Manually Operated - No power needed to cut pipe; ideal for field use  
 Interlocking Chain Links - Add or remove links as needed for various size pipes; Standard chain configuration: 2.4m (82pcs chain links) with longer chain linkage optional.  
 Lightweight - At only 9kg (19.8 lbs) this unit is easy to carry, operate and maintain  
 Worm Gear Drive - Low gear ratio ensures extremely smooth travel  
 Optional Snap Valve - One-touch on/off gas valve

#### Standard configuration

##### Lark shown

1. Wing nut
2. Spring
3. Chain
4. Distributor
5. Torch
6. Guide wheel



##### Adjusting Length of Chain

The length of the chain 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 follows:

Number of Links = Pipe Diameter  $\times$  1/10 + 13  
 (For millimeter: Pipe Diameter  $\times$  1 + 13; Round up to next link)  
 (For inch: Pipe Diameter  $\times$  2.54 + 13; Round up to next link)

Example of calculation:

Number of links required for cutting  $\varnothing$ 200mm pipe  $(200 \times 1/10) + 13 = 33$

The cutting machine can be easily set at any part of the pipe that is convenient. Additional chain links are available.



##### Bevel Cutting

Beveling application with double-correction.  
 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.

Conn. A  
for I cut

Conn. B  
for V cut



Lark

Lark-Q (with quick stop clutch)

#### Technical specification

| Specifications          | Q-Lark  | G-lark  |
|-------------------------|---|---|
| Chain type              | Single link chain   | Single link chain   |
| Quick clutch            | None (Same as Kolko type)   | With  |
| Effective pipe diameter | 114-600mm (4"-24") by standard chain (2.4m=96")<br>Over 600mm by extra chain addition | 114-600mm (4"-24") by standard chain (2.4m=96")<br>Over 600mm by extra chain addition |
| Cutting thickness       | Up to 50mm (2")   | Up to 50mm (2")   |
| Cutting shape           | Square and bevel (up to 45°)  | Square and bevel (up to 45°)  |
| Drive method            | Manual  | Manual  |
| Size                    | 250 x 250 x 400   | 280 x 280 x 450   |
| Weight                  | 10.5kg  | 13kg  |



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**SUPER MANUAL PIPE CUTTING MACHINE WITH DOUBLE BUCKLE CHAIN** **TOUCAN PC-22**



## PC-22 Toucan

### Super Manual Pipe Cutting Machine With Double-buckle Chain

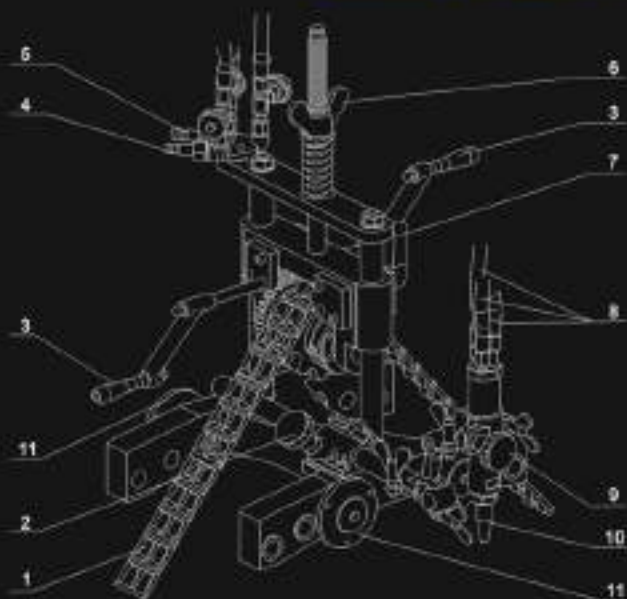
Model PC-22 is a manually operated, portable oxy-fuel pipe cutting machine. The body base is with multiple choices for wheel location so that the machine can match with wide range size of pipe by adjusting wheel location.

#### 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 brocket 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   | 5. Oxygen connection     | 9. Torch lift handwheel |
| 2. Cross feed handwheel | 6. Big wing nut          | 10. Cutting tip         |
| 3. Crank handle         | 7. Clutch release handle | 11. Guide wheel         |
| 4. Fuel gas connection  | 8. Hose                  |                         |

#### 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<br>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 it's length can be adjusted link by link, making it easy to match the chain to the circumference of the pipe.

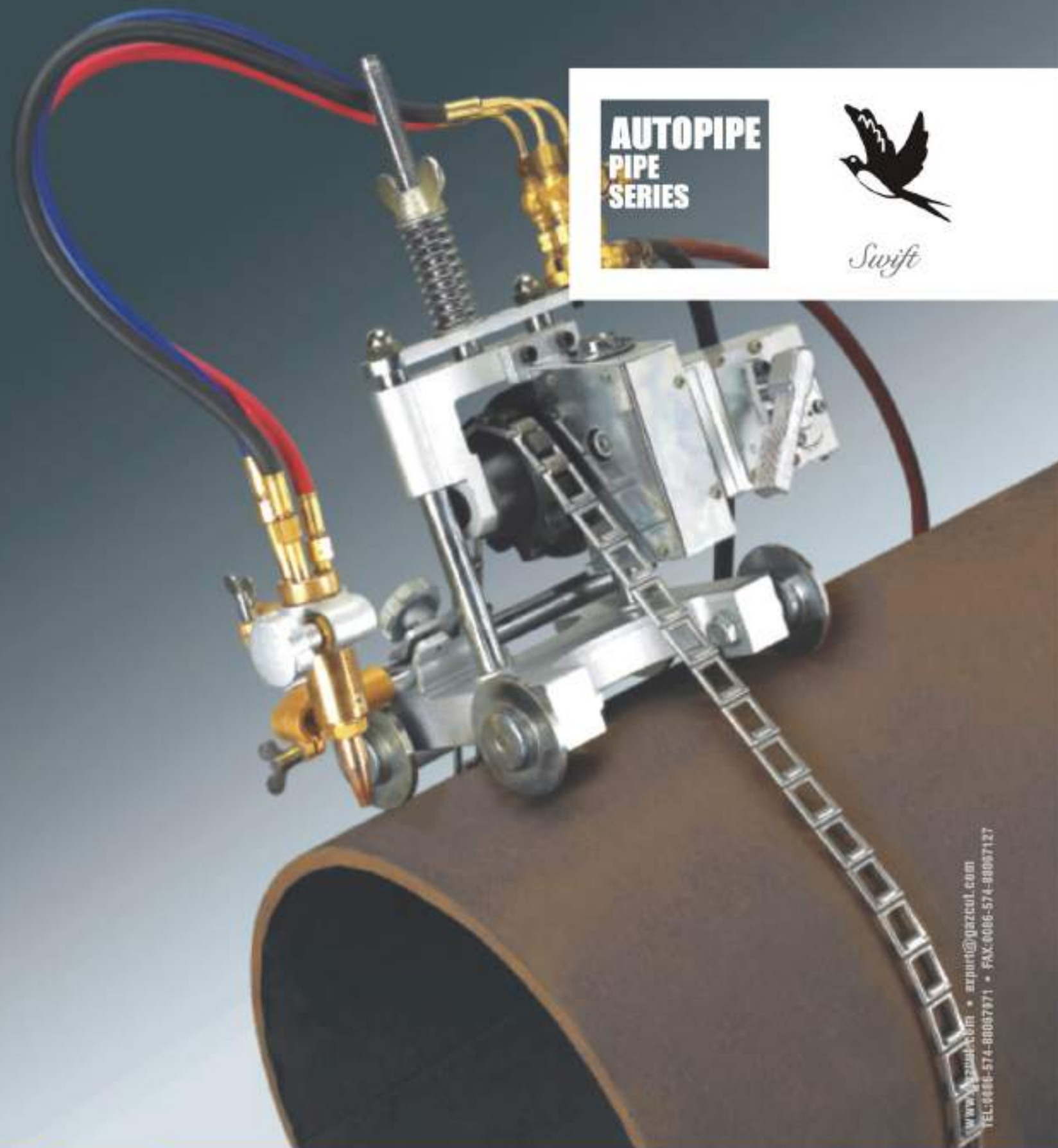
The number of links required for a given job can be calculated as following:

Number of links=Pipe diameter (cm) +15

Example of calculation:

Number of links required for cutting 755mm pipe  
75+15=91 (755mm≈76cm)

Number of links required for cutting 752mm pipe  
75+15=90 (752mm≈75cm)



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MOTORIZED CHAIN PIPE CUTTING MACHINE **SWIFT AUTOPIPE**



## AUTOPIPE Kite

### Motorized Chain Pipe Cutting machine

The machine is a remote control gas motorized pipe cutting unit and it is easy to change the length of the chain for various size pipes.

#### Features & benefits

- Cutting can be done in clockwise or anti-clockwise direction from both sides of the machine
- The machine can bevel up to 45° by selecting the required angle on the torch holder
- The machine torch can be adjusted vertically and horizontally alongside the pipe surface by rack and pinion attachments
- The model Autopipe-P can also be used to cut stainless steel and other non-ferrous pipes by using Plasma Cutting Torch (Torch holder to suit your Plasma Cutting Torch can be supplied as an optional attachment)
- Remote Control Unit (1 set) supplied with the motorized version.



#### AUTOPIPE-P (FOR PLASMA)

The portable plasma pipe cutting machine is designed to use plasma for high speed cutting of carbon steel, stainless steel, aluminum and other metals. The machine allows accurate bevel cutting of pipe and straight cut off of pipe in or out the field. (Torch holder to suit your Plasma Cutting Torch can be supplied as an optional attachment)



#### AUTOPIPE-S

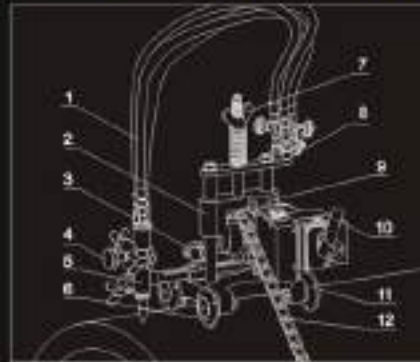
The optional guide rail provides high cutting accuracy and makes the AUTOPIPE-S type plasma pipe cutting machine particularly suitable for large pipes. Countless professionals from fabricators and scrap yards to boiler makers and tank manufacturers have used this kind pipe cutting machines successfully.

#### Guide rail (Optional)

The machine can be installed a tip guide system providing high cutting accuracy and makes the machine particularly suitable for large pipes. The fixed guide rail also makes it possible to cut vertical pipe.

#### Standard configuration

- 1.Hose
- 2.Bracket
- 3.Cross feed handle
- 4.Torch lift handle
- 5.Torch
- 6.Guide wheel
- 7.Big wing bolt
- 8.Distributor
- 9.Gear box connection
- 10.Clutch handle
- 11.Main base
- 12.Chain



#### Bevel cutting

##### Beveling application with double-connection

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



#### Remote control panel assembly

##### Adjusting Length of Chain

The length of the chain 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 follows:

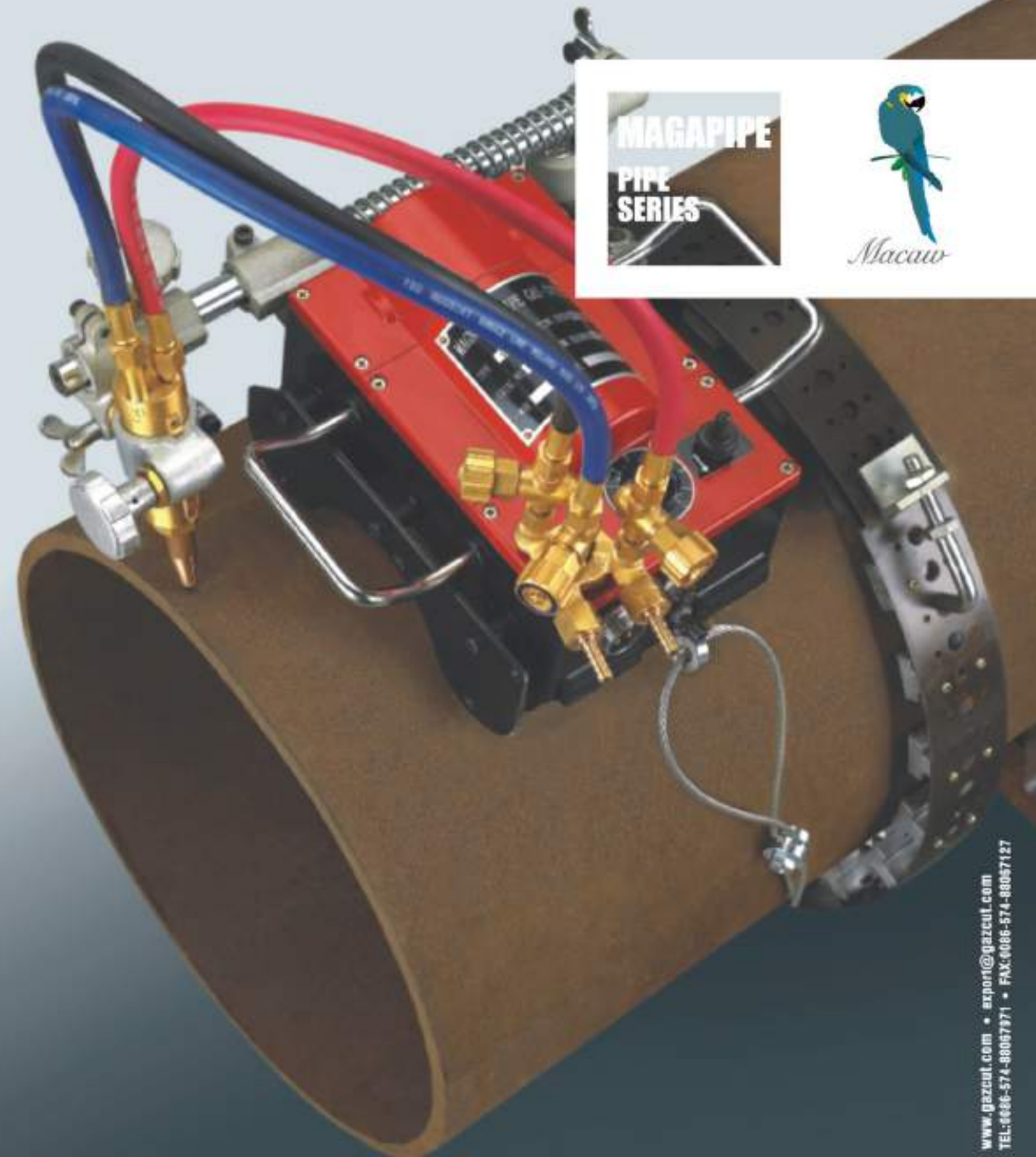
- Number of Links=Pipe Diameter × 1/10+13  
(For millimeter: Pipe Diameter × 1+13; Round up to next link)
- (For inch: Pipe Diameter × 2.54+13; Round up to next link)

##### Example of Calculation:

Number of links required for cutting 200mm pipe (200 × 1/10)+13=33  
Additional chain links are available.

| Chain type              | Single link chain  |
|-------------------------|--|
| Quick release clutch    | With   |
| Cutting speed           | 50-1150mm/min  |
| Effective pipe diameter | 150-600mm by standard chain<br>Larger size over 600mm by extra chain |
| Cutting thickness       | Up to 50mm   |
| Cutting shape           | Square and bevel (up to 45°)   |
| Drive method            | Motorized  |
| Main size (mm)          | 265 × 420 × 450  |
| Weight (kg)             | 16   |

MAGAPIPE  
PIPE SERIES



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**MAGAPIPE**  
MAGNETIC PIPE CUTTING MACHINE





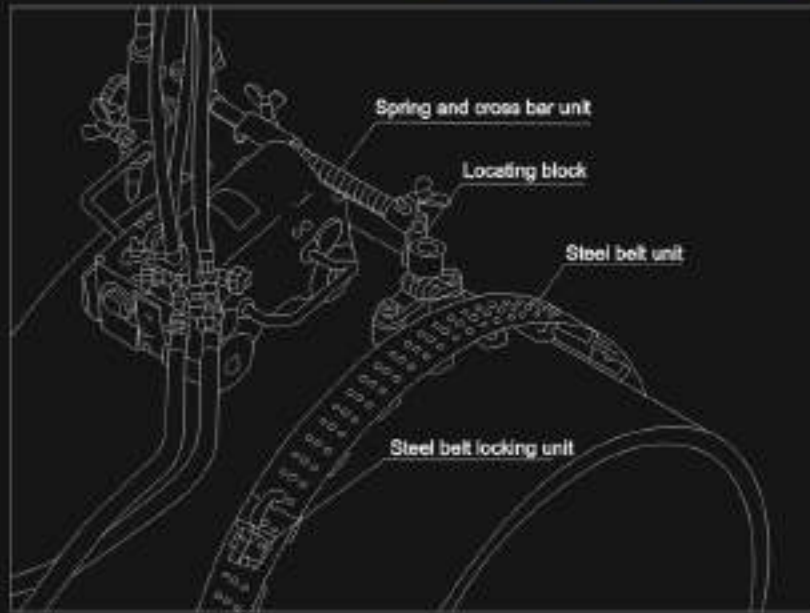
## MAGAPIPE Macaw

### 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  $\phi$  600mm) 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 I,Y,V(45°).

#### Optional steel belt installation



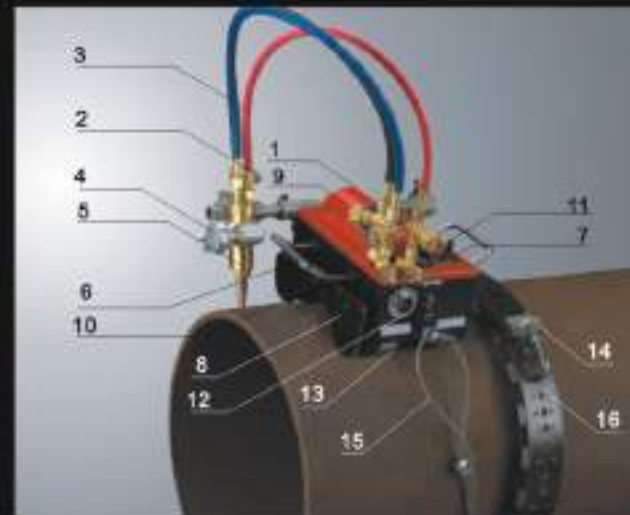
The steel belt assembly is used for large pipe to assure cutting accuracy (To make the starting point meets the end point). The belt assembly adopts an elastic unit which always to keep the torch align with the belt even the machine affects a slight offsetting. (As shown in the diagram)

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

#### Technical specification

|                         |  |
|-------------------------|--|
| Effective pipe diameter | 108-600mm (Standard)<br>Bigger size with belt (Optional) |
| Pipe Thickness (mm)     | 5-50   |
| Drive                   | AC/DC Geared motor                                       |
| Torch                   | Injector Type to suit acetylene                          |
| Cutting speed (mm)      | 6-780  |
| Gross weight (kg)       | 20   |
| Dimensions (mm)         | 350 x 310 x 280  |

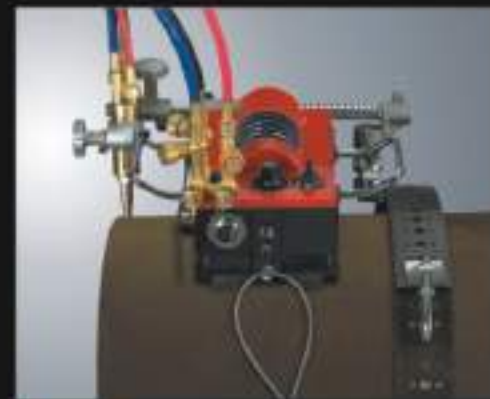
#### Main configuration



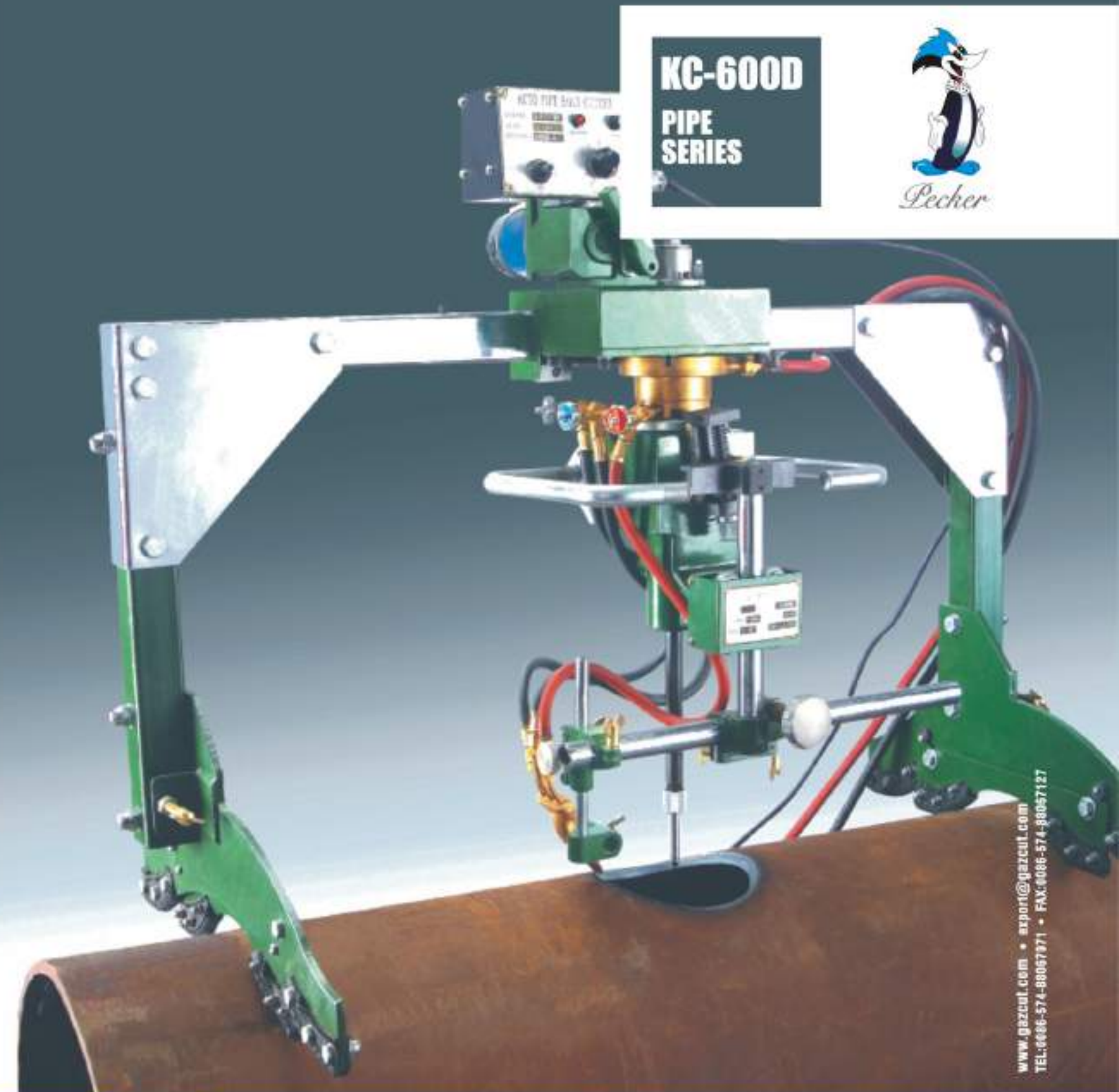
- |                         |                           |                       |
|-------------------------|---------------------------|-----------------------|
| 1. Main unit            | 7. Forward/Reverse switch | 12. Power socket      |
| 2. Cross feed handwheel | 8. Heat shield plate      | 13. Magnet wheel      |
| 3. Hose                 | 9. Valves                 | 14. Control belt hook |
| 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



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



## 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



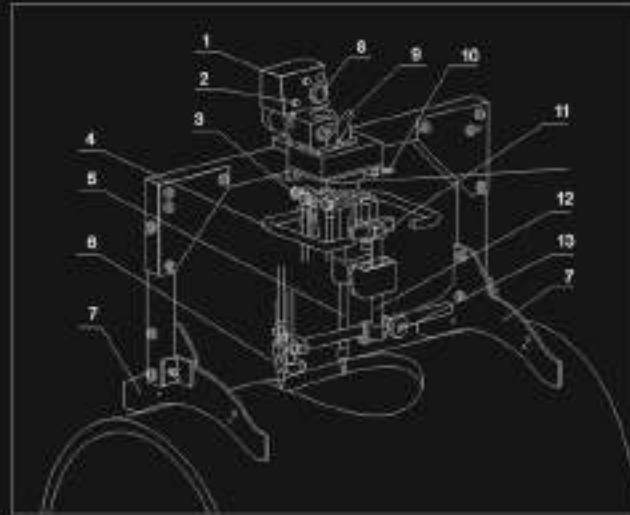
Flat circle bevel cutting

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

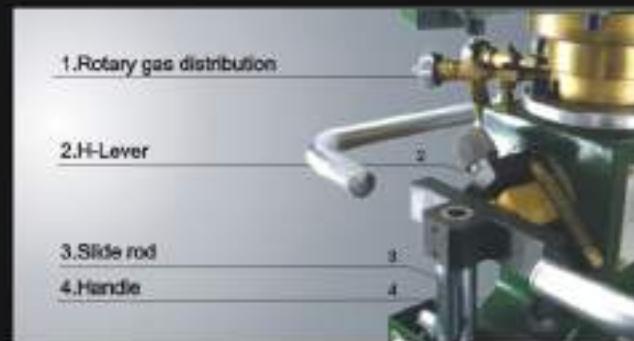
#### Technical specification

| Model No.                              | KC-600D           | KC-1,000D |
|--|-------------------|-----------|
| Cutting thickness (mm)                 | 5-50              |           |
| Cutting speed (rpm)                    | 0.14-1.2          | 0.12-0.72 |
| Cutting shape                          | L/V (<45°)        |           |
| Cutting diameter (mm)                  | 50-600            | 80-1,000  |
| Vertical torch stroke (mm)             | 0-95              | 0-255     |
| Ratio between hole ID and main Pipe ID | ≥ 1/2             |           |
| Machine Size (mm)                      | 1,060 × 560 × 320 |           |
| Weight (kg)                            | 49                | 69        |
| 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 |

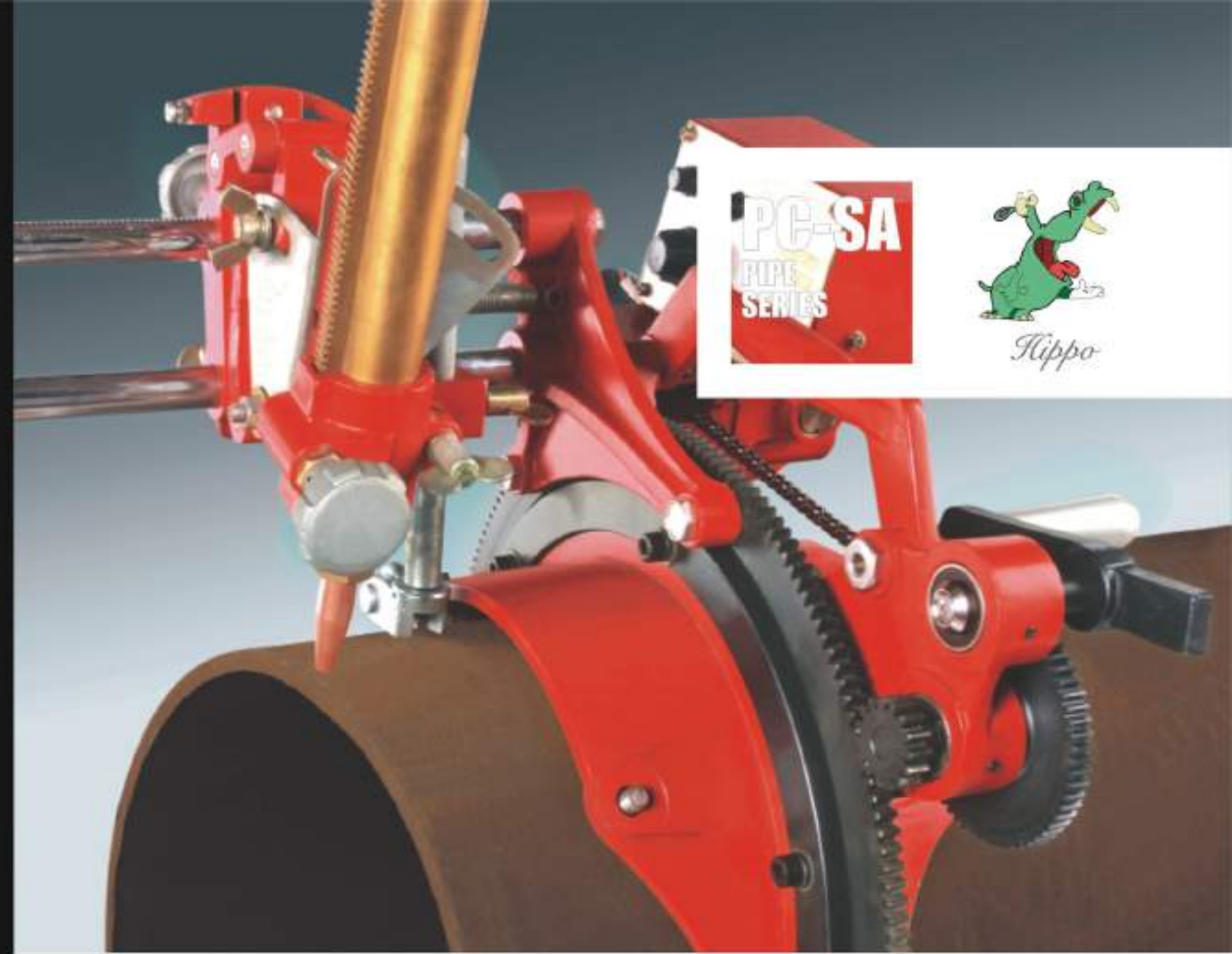


- |                           |
|---------------------------|
| 1.Rotary gas distribution |
| 2.H-Lever                 |
| 3.Slide rod               |
| 4.Handle                  |



KC-1000D

for large size pipe hole cutting



An excellent expert for pipe T-joint application. It can be used for oxy-acetylene, plasma cutting application. Uniquely designed for being easily dropped on the pipe like a saddle or slipped on from the end.

One-piece design is narrower than other saddle type machines, which allows for using a smaller area of pipe where clamping space is limited.



SHORT SADDLE FLAME CUTTING/BEVELLING MACHINE

# HIPPO PC-SA

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## PC-SA Hippo

### Short Saddle Flame Cutting/Bevelling Machine

PC-SA is an excellent expert for pipe T-joint application can be used for oxy-acetylene, plasma either perpendicular with or parallel to the pipe. They are designed to be dropped on the pipe like a saddle or slipped on from the end.

One-piece design is narrower than other saddle type machines, which allows for using a smaller area of pipe where clamping space is limited. The torch can be positioned closer to the valves and other obstacles because the saddle is shorter than any other saddle-type.

#### Features & benefits

##### One-piece cold cast aluminum saddles(base)

Special aluminum alloy casting of our single piece saddles substantially resist stress and other effects of extreme heat and cold

##### Sturdy precision ring gear

Rotating ring gears and retaining cap rings are precision machine to assure consistently straight and square rotation of the torch arm around the pipe.

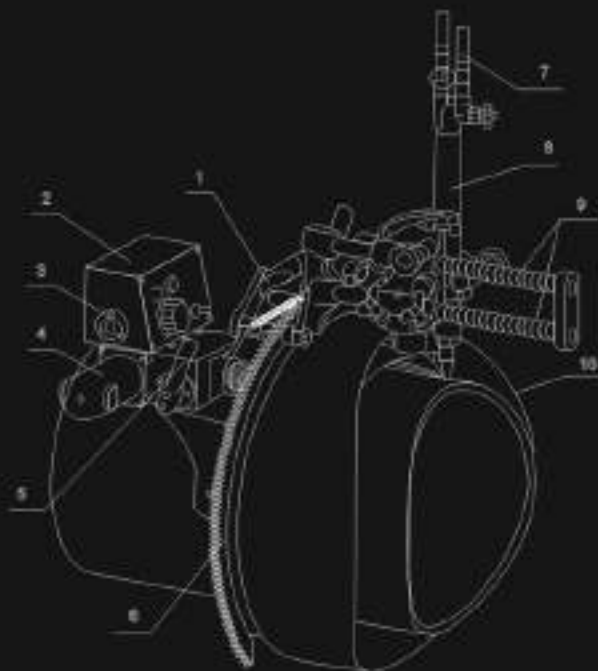
##### Contour cutting attachment and shape templates

Consistent, accurate contours and angles can be cut quickly with the contour cutting attachment. It allows lateral movement of the torch along the axis of the pipe, precisely following the selected shape of the template.

##### Powerful application

It's a economical and easy to make pipe T-connections. Combined with Perker 6000, it also can cut pipe diameter like other pipe cutting machine.

#### Standard configuration



- 1.Handle for carrying
- 2.Control box
- 3.Power socket
- 4.Dc motor
- 5.Clutch
- 6.Gear guide
- 7.Hose
- 8.Torch
- 9.Shift spring
- 10.Shape template (Supplied by end user)



Crank handle



Manual/Automatic clutch

#### Technical specification

| Model No. | Pipe size (mm) | Manual | Motorized | Floating device | Shipping weight (kg) |
|-----------|----------------|--------|-----------|-----------------|----------------------|
| PC-SA1    | 38-102         | Std    | Opt       | Not available   | 15                   |
| PC-SA2    | 75-203         | Std    | Opt       | Not available   | 29                   |
| PC-SA3    | 152-305        | Std    | Opt       | Std             | 37                   |
| PC-SA4    | 305-508        | Std    | Opt       | Std             | 31                   |
| PC-SA5    | 508-660        | Std    | Opt       | Std             | 57                   |
| PC-SA6    | 610-762        | Std    | Opt       | Std             | 63.5                 |
| PC-SA7    | 711-914        | Std    | Opt       | Std             | 100                  |
| PC-SA8    | 914-1016       | Std    | Opt       | Std             | 110                  |
| PC-SA9    | 1016-1219      | Std    | Opt       | Std             | 115                  |



## PC-SA Hippo

### Short Saddle Flame Cutting/Bevelling Machine

#### Drive mode options

The machine can either be hand cranked or motorized around the pipe

In manual mode, the crank handle (hand crank) should be installed. (As shown in the diagram). It's easy to switch between motorizing and manual mode just by turning the clutch.

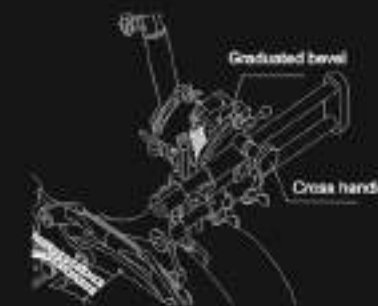
Note: Manual operation is only recommended when power source not available. Motorizing is more efficient and accuracy.



#### Torch angle assembly

The machine can make a graduated bevel with a convenient torch angle assembly.

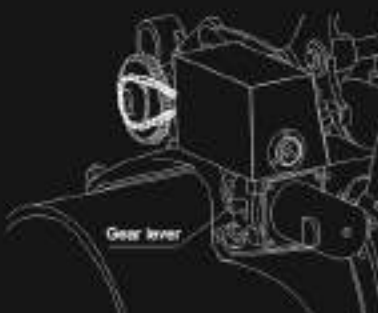
The rack-adjustable machine torch holder provides horizontal and vertical rack adjustments as well as lead & lag adjustments.



#### Gear lever

The machine has 2 gears to make the best use of cutting speed. The high speed is used for small diameter pipe and the low speed for large diameter pipe. Release the gear lever and shift to another end when the motor rotating at low speed. Then tighten the lever after the gears joggle well.

Caution: Don't shift the gear lever when the motor works at a high rotating speed.



#### Securing device (boomer)

It's very important to fasten the securing device during operation. Operation without securing device or failure of securing device might cause the fall off or deviation which leads to injury or disqualified application.





## PC-SA Hippo

### Short Saddle Flame Cutting/Bevelling Machine

#### Base fixing unit (Spacers)

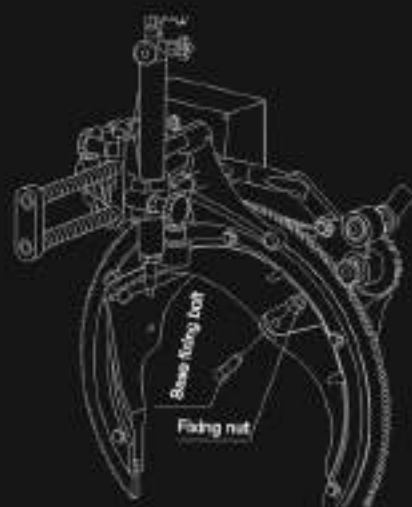
The standard configuration includes 10 sets base fixing units [(4 bolts + 4 nuts)/set] for 10 sizes pipe. The sizes are in the unit for reference. Please choose the right fixing unit for your purpose.

#### For example:

The size list for PC-SA3 as below

| Bolt No. | Pipe Dia. | Bolt No. | Pipe Dia. |
|----------|-----------|----------|-----------|
| 1#       | 299mm     | 6#       | 194mm     |
| 2#       | 273mm     | 7#       | 180mm     |
| 3#       | 245mm     | 8#       | 169mm     |
| 4#       | 219mm     | 9#       | 159mm     |
| 5#       | 203mm     | 10#      | 152mm     |

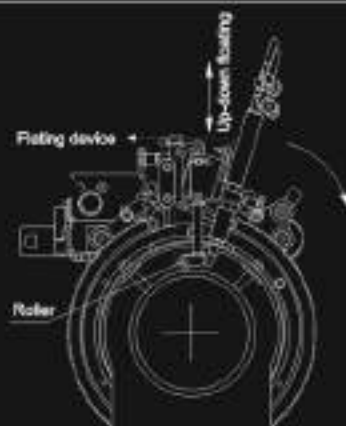
When the pipe is beyond of the 10 sizes supplied but within the cutting range of the machine. Or the pipe is out of round due to dirty, rust, obstacles sticked or irregular deformation, floating device (out-of-round pipe attachment) to be needed for application.



#### Floating installation (Out-of-round pipe attachment)

The machine circles the pipe with Point A as a center during operation. In this case, the clearance between tip and pipe outer surface should be secured to obtain a quality cutting. When the pipe size is non-standard as per the 10 sets base fixing unit enclosed in the delivery, floating installation is used for keeping the tips at a constant pre-set space from the pipe wall, the floating device is also used at the circumstances that the pipe bears dents, warps and other imperfections.

The floating device has a roller travels against the pipe surface, and a special spring helps to compensate the deviation



Back view



Front view

## IPE Rhino (Electric drive type)



### Inside-mount Pipe Cold Bevelling Machine

#### Features & benefits

**Drive** - Electric

**Range** - Pipe size ID13-1050mm

**Functions** - Cutting, bevelling, 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.



#### Technical specification

##### ELECTRICAL TYPE I-T Shape series

| Model    | Pipe size ID | Bevelling capacity | Rotating speed | Weight (kg) |
|----------|--------------|--------------------|----------------|-------------|
| IPE-28T  | ± 13-30mm    | 15mm               | 58rpm          | 5           |
| IPE-80T  | ± 28-76mm    | 15mm               | 55rpm          | 7           |
| IPE-150T | ± 65-159mm   | 20mm               | 34rpm          | 16          |
| IPE-350T | ± 150-330mm  | 20mm               | 18rpm          | 36          |

##### ELECTRICAL TYPE I-Y Shape series

| Model     | Pipe size ID  | Bevelling capacity | Rotating speed | Weight (kg) |
|-----------|---------------|--------------------|----------------|-------------|
| IPE-150Y  | ± 65-159mm    | 20mm               | 34rpm          | 12.5        |
| IPE-250Y  | ± 80-273mm    | 20mm               | 18rpm          | 36          |
| 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  | Bevelling capacity | Rotating speed | Weight (kg) |
|------------|---------------|--------------------|----------------|-------------|
| IPE-250II  | ± 80-273mm    | 75mm               | 18rpm          | 40          |
| IPE-351II  | ± 150-351mm   | 75mm               | 14rpm          | 48          |
| IPE-630II  | ± 300-630mm   | 75mm               | 10rpm          | 58          |
| IPE-850II  | ± 600-850mm   | 75mm               | 8rpm           | 80          |
| IPE-1050II | ± 820-1050mm  | 75mm               | 7rpm           | 108         |
| IPE-1300II | ± 1030-1300mm | 75mm               | 5rpm           | 120         |
| IPE-1500II | ± 1270-1500mm | 75mm               | 4rpm           | 150         |



## IPP Rhino (Pneumatic drive type)

### Inside-Mount Pipe Cold Beveling Machine

#### Features & benefits

**Drive** - Pneumatic

**Range** - Pipe size ID 16-1050mm

**Functions** - Cutting, bevelling, 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. Electric version available with conversion kit to easily change pneumatic mode to electric mode.



#### Technical specification

##### PNEUMATIC TYPE I-T Shape series

| Model    | Pipe size ID | Beveling capacity | Rotating speed | Weight(kg) |
|----------|--------------|-------------------|----------------|------------|
| IPP-28T  | φ 13-30mm    | 15mm              | 58rpm          | 4.5        |
| IPP-30T  | φ 28-76mm    | 15mm              | 55rpm          | 6.0        |
| IPP-150T | φ 65-150mm   | 20mm              | 34rpm          | 14.5       |
| IPP-350T | φ 150-330mm  | 20mm              | 16rpm          | 25.0       |

##### PNEUMATIC TYPE I-Y Shape series

| Model     | Pipe size ID  | Beveling capacity | Rotating speed | Weight (kg) |
|-----------|---------------|-------------------|----------------|-------------|
| IPP-150Y  | φ 65-150mm    | 20mm              | 34rpm          | 11          |
| IPP-250Y  | φ 80-273mm    | 20mm              | 18rpm          | 36          |
| IPP-351Y  | φ 150-351mm   | 20mm              | 14rpm          | 41          |
| IPP-630Y  | φ 300-630mm   | 15mm              | 10rpm          | 54          |
| IPP-850Y  | φ 600-850mm   | 15mm              | 8rpm           | 63          |
| IPP-1050Y | φ 820-1050mm  | 15mm              | 7rpm           | 78          |
| IPP-1300Y | φ 1030-1300mm | 15mm              | 5rpm           | 88          |
| IPP-1500Y | φ 1270-1500mm | 15mm              | 4rpm           | 98          |

##### PNEUMATIC TYPE II- Automatic-feed series

| Model      | Pipe size ID  | Beveling capacity | Rotating speed | Weight (kg) |
|------------|---------------|-------------------|----------------|-------------|
| IPP-250II  | φ 65-150mm    | 75mm              | 16rpm          | 38          |
| IPP-351II  | φ 80-273mm    | 75mm              | 14rpm          | 45          |
| IPP-630II  | φ 150-351mm   | 75mm              | 10rpm          | 65          |
| IPP-850II  | φ 300-630mm   | 75mm              | 8rpm           | 76          |
| IPP-1050II | φ 600-850mm   | 75mm              | 7rpm           | 105         |
| IPP-1300II | φ 820-1050mm  | 75mm              | 5rpm           | 116         |
| IPP-1500II | φ 1030-1300mm | 75mm              | 4rpm           | 145         |

## APB-12 Lion



### 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.

#### 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 | 69kg   |



## SKF-15 Tiger

### Pipe and Plate Beveling Machines

#### SKF-15 Tiger PIPE AND PLATE BEVELING MACHINES

The machine is a handy and flexible unit for the preparation of welding such as deburring or bevel.

- ◆ Light weight compared with other bevel series.
- ◆ Less vibration. Stable operation.
- ◆ Simple and safe operation.
- ◆ Widely use for carbon steel, stainless steel, cast steel, hard plastic, Al alloy, non-ferrous metal etc.



#### Technical specification

|                                     |                    |
|-------------------------------------|--------------------|
| Motor                               | 220V/380V,50Hz     |
| Power                               | 1.5 KW             |
| Rotation                            | 2870 U/min         |
| Bevel capacity                      | 15mm Max.          |
| Bevel angle                         | 30-60 (adjustable) |
| Weight                              | 18kg               |
| Pipe ID.(if used for pipe beveling) | 100-380mm          |
| Machine Size                        | 440×200×280mm      |



## PQX-100/200/300 Wolf

#### PQX-100/200/300 WOLF

- ◆ Suitable for the bevel process of the workpiece not subject to heat-treatment.
- ◆ Quick set up w/ changeable blade and w/o fixing units.
- ◆ Blade: Rectangular tungsten-steel 12.7×12.7×3.18. Clean bevel
- ◆ Widely used for ferrous and non-ferrous as well as other mechanically-resistant material.



#### Technical specification

| Model No. | Bevel capacity | Bevel angle | Slide rail Length | Blade No. | Motor          | Power source           | Weight |
|-----------|----------------|-------------|-------------------|-----------|----------------|------------------------|--------|
| PQX-100Z  | 0-3mm          | 15° ~45°    | 200mm             | 2         | 850w,1150rpm   | 220V/50HZ<br>380V/50HZ | 3.0kg  |
| PQX-100Y  | 0-3mm          | 15° ~45°    | 200mm             | 2         | 850w,1100rpm   |                        | 2.2kg  |
| PQX-200   | 0-9mm          | 15° ~60°    | 220mm             | 10        | 0.37KW 2980rpm | 380V/50HZ              | 8.5kg  |
| PQX-300   | 0-6mm          | 15° ~45°    | 500mm             | 10        | 0.75KW 3000rpm |                        | 38kg   |

PQX-100Z for bevel right angle or R angle. PQX-100Y for bevel curve angle or R angle



# WARRANTY

#### 1.Quality:

Should you use our products, please check if the delivery with clean products, perfect shaping, better package, considerable service tools and complete documents.

#### 2.The speed delivery:

Should any delay over contracted schedule without force majeure, we'll compensate you as agreed or by negotiation.

#### 3.Equipment & parts sales:

Complete parts to be ready for your maintenance or replacements.

#### 4.Documents support:

We'll provide the updated information to old customers, and offer a complete documents of our machines sold as well.

#### 5.Customer's response:

We'll response to common questions within 24 hours, to tough questions within 48 hours (except National Holidays).

#### 6.Exclusive:

Should we're honoured to choose you as our exclusive agent in certain regions,we'll keep our promise and assure you sole dealership.

Gazcut's target is to maintain top quality, dependability and long, reliable service life for cutting career. So any constructive comments, suggestions by all customers and other sources are much appreciated. Also our team welcome sincerely those who're willing to contribute to the cutting service.

Should you have any complaint, Pls straight email to our Manager's E-mail: [manager@gazcut.com](mailto:manager@gazcut.com)

## STATEMENT OF USERS' RESPONSIBILITY

The service life of Gazcut products can be indefinite when properly installed, operated and maintained. The working conditions and service each individual gives this equipment will also effect the servicing life. This equipment should be checked periodically and repaired, reset or replaced as necessary for continued safe and reliable performance. Personal injury and or property damage may result if defective or improperly adjusted equipment is used.

Gazcut shall not under any circumstances be liable for special or consequential damages such as, but not limited to, damage or loss of other property of equipment, loss of profits or revenue, cost of capital, cost of purchased or replacement goods, or claims of customers or purchaser for service interruption. Any property damage or personal injury resulting from a Gazcut product, which contains replacement parts or accessories that affect the safety or performances of such product, shall be the responsibility of the Purchaser and the Supplier of such replacement parts or accessories and not the responsibility of Gazcut Engineering Works Ltd.