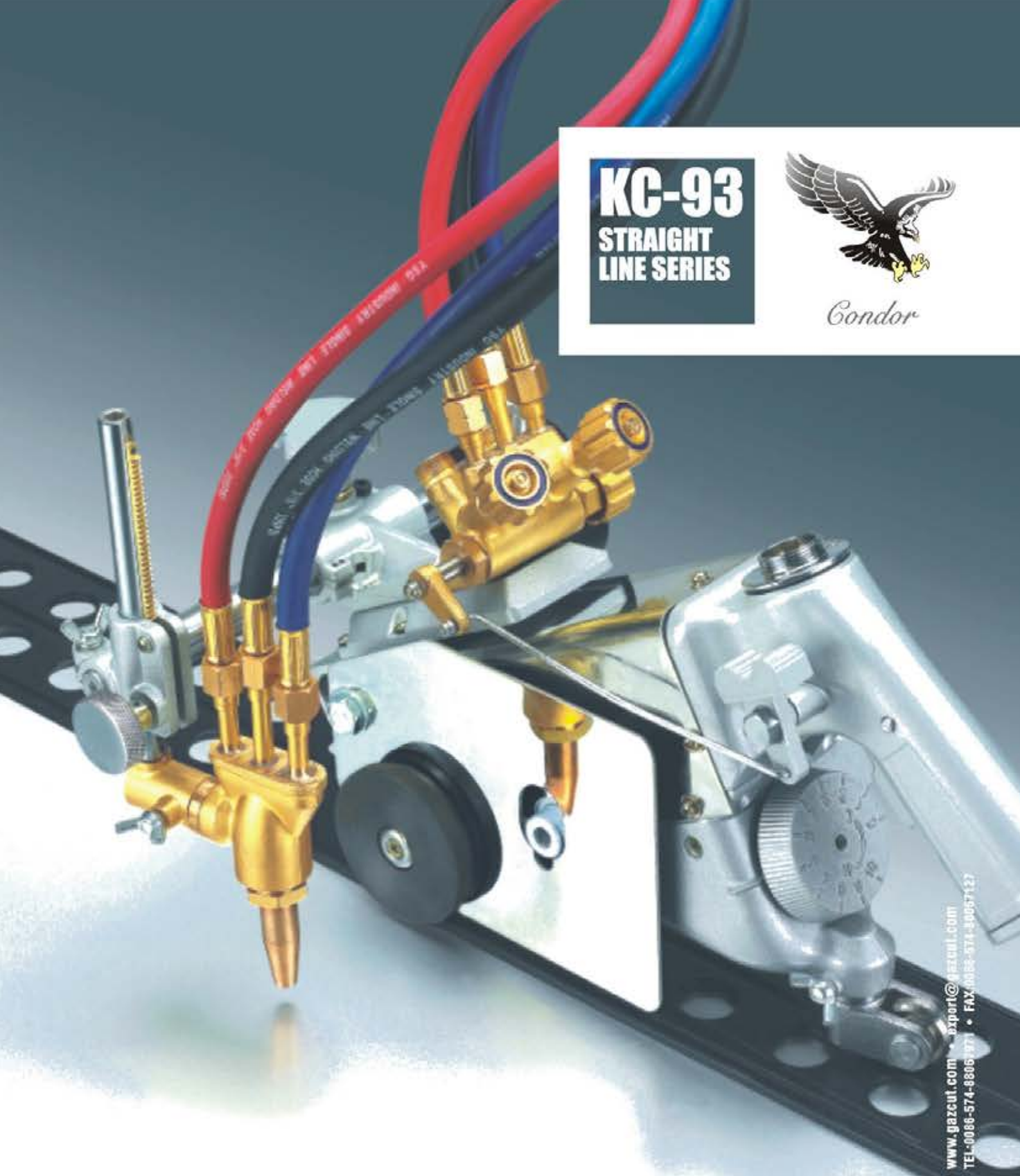


KC-93
STRAIGHT
LINE SERIES



Condor



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 **Q-CUT**

Versatile, handy-type cutting machine

KC-93
condor



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 1800mm (72") Track Selections - cut longer parts

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

Travel direction- Forward/Reverse

KC-93 II Edge-cut type.

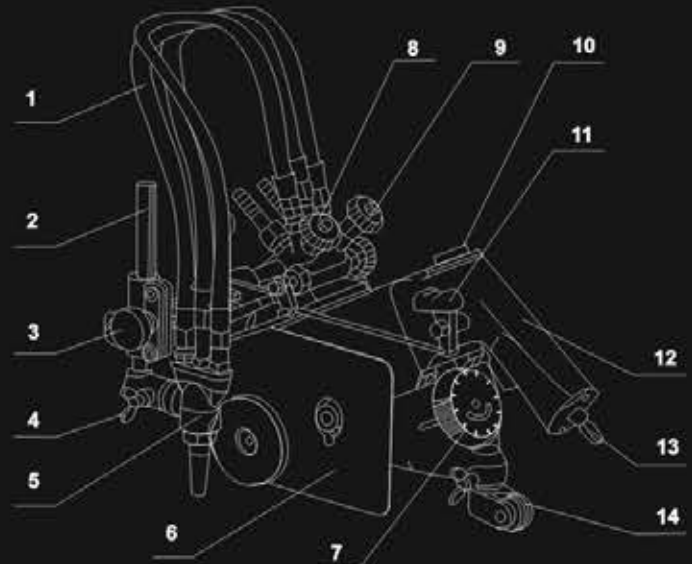
* Bevels plate edge at top and bottom up to 45° with tracer guide roller instead of guide track.



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 |

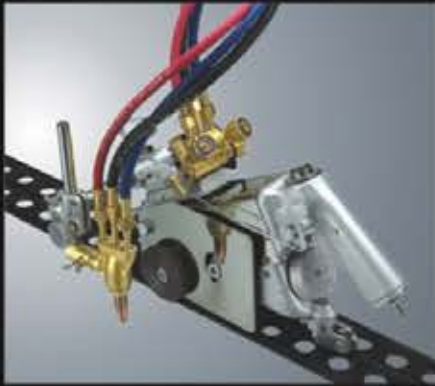
Technical specification

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



Versatile, Handy-type Cutting Machine

PART 2 Torch unit & Multiple purpose application



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



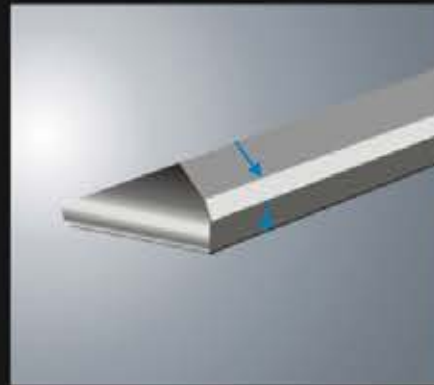
Type A cutting unit



Type B cutting unit



Edge-cut unit KC-93



Detail double V-groove



Tracer guide roller



Bevel cut



Circle cut W/ radius bar unit



Curve cut by hand control



KC-93 Condor

Versatile, Handy-type Cutting Machine

PART 3 Application Instruction

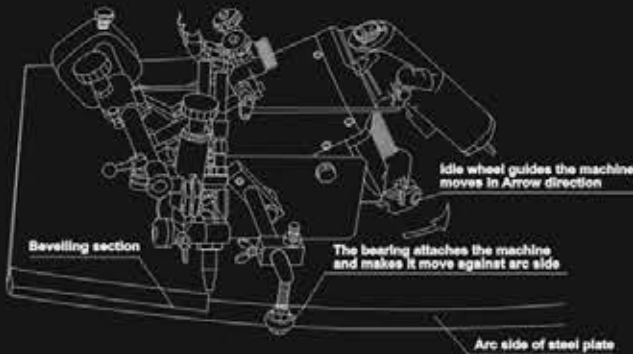
LINEAR CUTTING

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

CURVE SIDE BEVELING

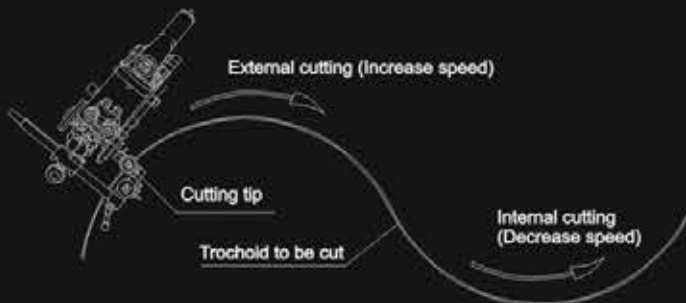
KC-93 Features unique design for beveling easily large arc side with beveling locating unit. As shown in the diagram below.

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



HAND GUIDE CUTTING

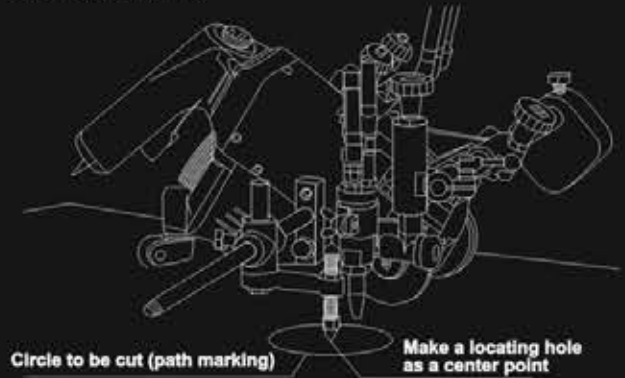
First score the path on the steel plate, and mark the intersection of a straight line and curve, adjusting cross feed handwheel to place the tip 30-50mm away from the drive wheel. release the clutch and move the machine to the start point and commence the cutting while keep the tip align with marking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



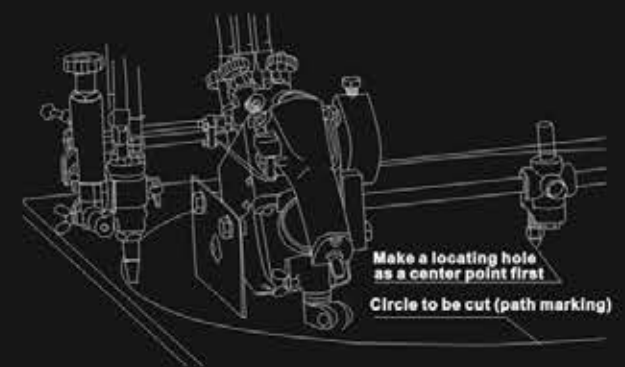
Note: Hand guide cutting needs more practices to make the best use of the machine

CIRCLE/ARC CUTTING (WITH CIRCULAR CUTTING ATTACHMENT)

Small circle cutting



Large circle cutting



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

1. Insert the radius part 1 into the holes at the front of machine and tighten with M10 Nut.
2. Insert the radius gauge Part 2 onto 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.