

PORTABLE SINGLE PURPOSE CIRCLE CUTTER

IK-70

Automatically and accurately flame cuts
a wide range of circle sizes



KOIKE SANSO KOGYO CO., LTD.

THE SINGLE PURPOSE

IK-70

EFFICIENCY, VERSATILITY,
ECONOMY IN ACTION



The IK-70 is designed and ruggedly constructed for just one thing, and it does it well. This is a quality machine that flame cuts circles in a wide range of sizes with surprising operational versatility, ease, and economy.

Combining many of the features of far more expensive machines, with no sacrifice in production quality, the IK-70 cuts cleanly and with exceptional accuracy.

Of the numerous outstanding characteristics you will discover are centralized and facilitated controls, clutch lever convenience, rigid, lightweight portability, simplified positioning adjustment, and variable mode operations.

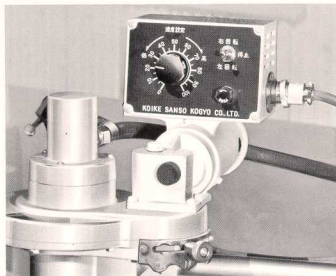
All in all, the IK-70 will be an efficient and dependable addition to your flame cutting operations.

1. SCR control box
2. Motor
3. Reduction device
4. Speed change clutch lever
5. Valve
6. Torch
7. Vertical position adjusting handle
8. Centering device
9. Legs

OPERATIONAL EASE

Cutting speed is simply adjusted by turning the speed adjustment knob on the SCR control box. Also provided on the SCR is a cutting direction (clockwise, counter-clockwise, and stop) change switch.

Optimum cutting speed range, according to circle diameter, may be selected by shifting the 3-position clutch lever located on the front side of the gear box. Smooth changes to the high speed, low speed, and stop positions may be performed even during operation. When the clutch is shifted to STOP, cutting drive is disengaged, and torch position is easily adjusted.



CONSTRUCTION FEATURES

SPECIALLY DESIGNED STAND — The unique IK-70 stand has been designed so lightweight and stable as to greatly enhance portability. You will find this unit easy to carry and right at home in any field operations.

For extra versatility in balance and support, support legs are movable and may be swung open and closed corresponding to circle diameter. Under each support leg is a free-moving ball which gives smooth-riding coaster action to the entire unit. In addition the IK-54 stand may be used as well with this unit.

SCR SYSTEM — The compact and responsive SCR control system increases cutting speed stabilization, especially at extremely low speeds.

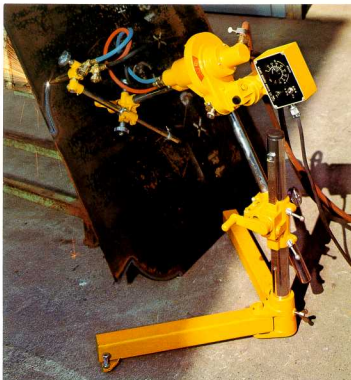
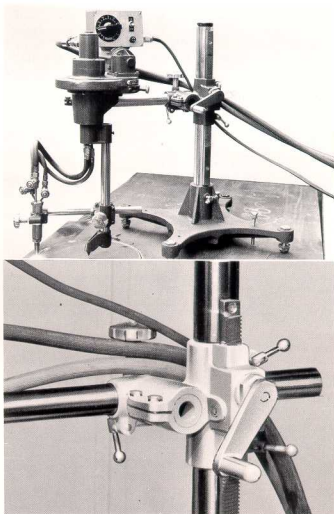
ADJUSTABILITY — Vertical movement of the entire cutting assembly is easily performed by turning the vertical position adjustment handle connected to a rack and pinion gear combination on the stand pole.

For simple flame adjustment, gas control knobs are provided on the torch assembly.

CUTTING VERSATILITY

The same cutting accuracy achieved in normal operations is possible at an incline of from 0° ~ 45° . The arm joint may be set to adjust the torch assembly to a position perpendicular to the inclined plate.

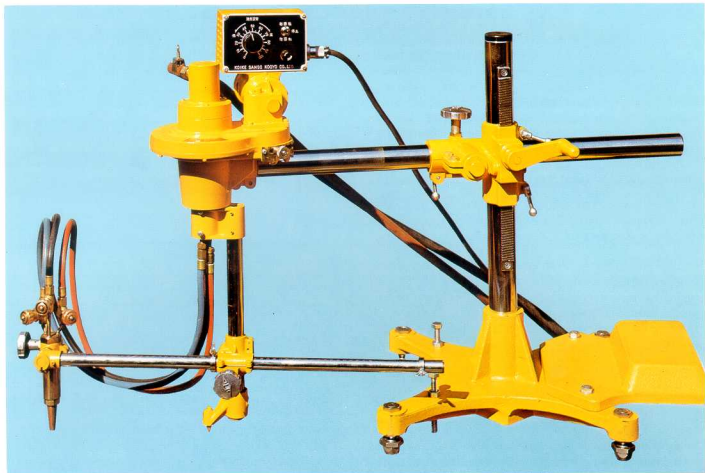
Horizontal position cutting is also an easy operation.



Inclined plate cutting with standard leg assembly.



Horizontal position cutting with special leg assembly.



SPECIAL MODEL

In the standard model, circle diameter range is from 30φ to 600φ, but a special model is also available greatly expanding this range to 1,000φ.

This model, shown above, incorporates a longer holding bar, longer radius bar, and a special leg assembly with counterweight to achieve the larger radius capability.

SPECIFICATIONS

Cutting dia.	Standard: 30 ~ 600mmφ (1-3/16 ~ 23-19/32")
	Special: 30 ~ 1,000mmφ (1-3/16 ~ 40")
Plate thickness	5 ~ 50mm (0.2 ~ 2")
Torch rotation	Standard: 0.2 ~ 6.0 r.p.m.
	Special: 0.04 ~ 1.5 r.p.m.
Edge shape	I or V (V-bevel up to 45°)
Control	15W D.C. motor SCR control
	A.C. 100V/200V, 50/60 cycles
Weight (with stand)	Standard: 25 kg (55 lbs)
	Special: 55 kg (121 lbs)



Total system supplier of welding and cutting

KOIKE INTERNATIONAL GROUP

KOIKE SANZO KOGYO CO.,LTD.

International Division
1-1, Ojima 9-chome,
Koto-ku, Tokyo
136-0072 Japan
Tel: 81-3-3685-9111
Fax: 81-3-3685-1990

KOIKE EUROPE B.V.

Grote Tocht 19, 1507 CG
Zaandam Holland
Tel: NR.075-6700031
Fax: NR.075-6702271

KOIKE ARONSON, INC.

635 West Main Street,
Arcade, NY14009,
Tel: 716-492-2400
Fax: 716-457-3517

KOIKE KOREA ENGINEERING CO.,LTD.

1318-26, Daekwang-Dong,
Kimcheon-City,
Kyoung Sangbuk-Do, Korea
Tel: 0547-39-3711
Fax: 0547-39-3713