

Automatic portable circle gas cutting machine

# CIR-CUT I/II



ISO 9001  
JQA-2093



CIR-CUT II-200/Horizontal Cutting

**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.**

- Lightweight, compact and easy to carry
- Positioning is made much easier by the moving center. When extremely small circles are to be cut, no melting loss of the center is involved since the center can be retracted.
- Excellent cutting capability  
Circles with a diameter ranging from 40 mm (1 9/16") to 200 mm (8") or even 400 mm (16") diameter circles can be cut in plates with a thickness extending up to 30 mm (1 3/16"). Beveling from 0° up to 45° is also possible.
- Circles can be cut in sharply angled or wall surfaces by electromagnetic magnet clamping (type II).
- The special rotatable distributor (FP ring) used to rotate the torch part keeps the hoses from becoming tangled up. Furthermore, the construction makes it hard for any gas to leak.
- Due to the preset valve (provided as a standard feature with the type II-400V and as an optional accessory with the type I and type II-200), the need for re-adjustment of the pre-heating flame and cutting oxygen is not necessary, and so it is possible to achieve a uniform cutting quality.
- The fold-out type of auxiliary leg ensures that the machine body can be installed stably even in tight locations.

9Y2-91A49-1



**KOIKE SANSO KOGYO CO., LTD.**



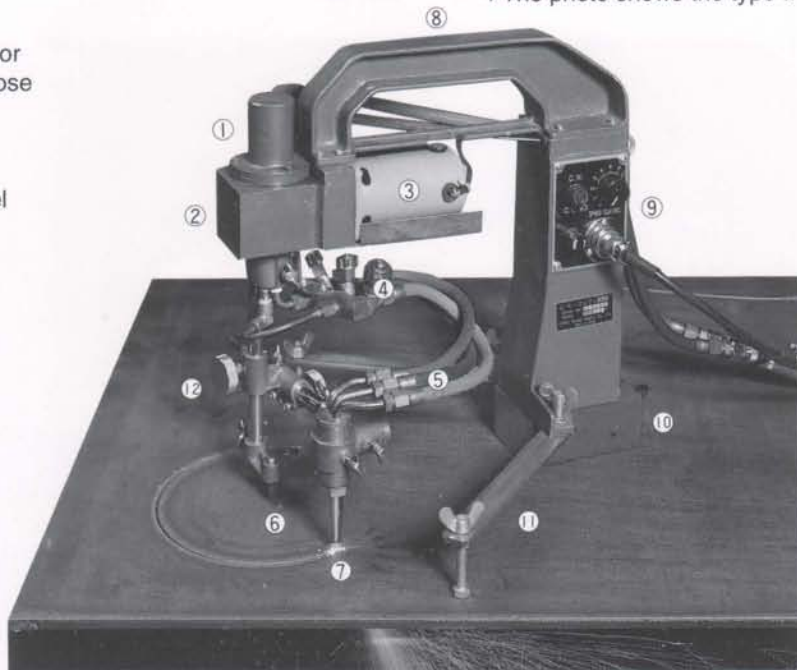
# CIR-CUT I/II

## Machine body configuration

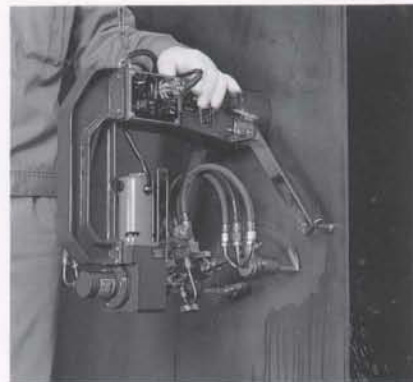
The type I, type II-200 and type II-400V all have the same configuration.

- 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

▼The photo shows the type I.



Beveling

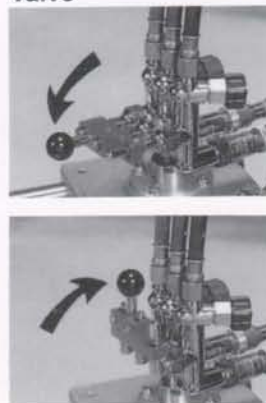


Vertical cutting

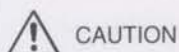
## Specifications

Model	Type I-200	Type II-200	Type II-400V
Weight	11 kg (24.5 lbs)	11.3 kg (25 lbs)	12 kg (26.4 lbs)
Power supply	AC 100V, 50/60 Hz and others		
Cutting diameter	40 - 200 mm (1 9/16" - 8")	40 - 200 mm (1 9/16" - 8")	40 - 400 mm (1 9/16" - 16")
Cutting thickness	5 - 30 mm (3/16" - 1 3/16")	5 - 30 mm (3/16" - 1 3/16")	5mm(3/16") (55mmΦ-) (2 3/16"Φ-) 30mm(1 3/16") (40mmΦ-) (1 9/16"Φ-)
Beveling angle	0 - 45°		
Torch speed	0.5 - 7.5 rpm	0.5 - 7.5 rpm	0.25 - 4.0 rpm
Motor	DC 100V, 15W, 5000 rpm		
Speed control	SCR Ward-Leonard		
Clamping system	Permanent magnet	Electromagnet	Electromagnet
Dimensions L x W x H mm (inch)	410 x 450 x 395 (16 1/4" x 17 3/4" x 15 9/16")	410 x 450 x 395 (16 1/4" x 17 3/4" x 15 9/16")	550 x 450 x 395 (21 3/4" x 17 3/4" x 15 9/16")

## Procedure for operating preset valve



- ① Pre-heating gas (set to open)  
→ Pre-heating is started
- ② Cutting oxygen (set to open)  
→ Cutting is started
- ③ All gases (set to closed)  
→ Flame is extinguished.



- Before using this cutting machine, please read through its Operating Instructions in order to ensure safe and proper operation.
- Operators must wear protective gear to perform cutting work.



Total system supplier of welding and cutting

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