

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.

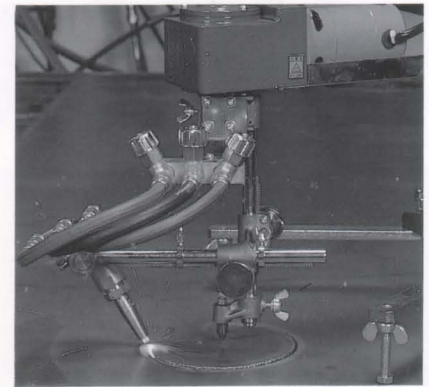
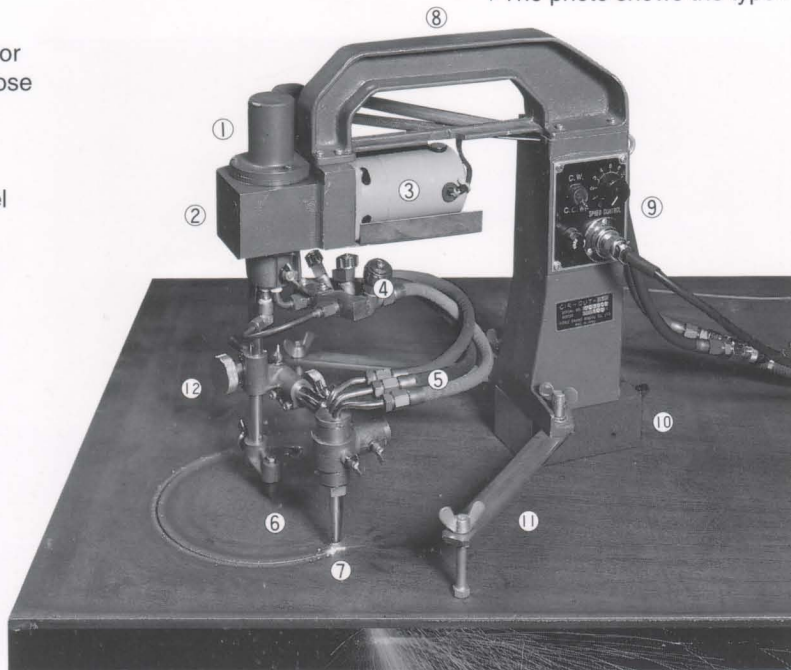
CIR-CUT III

Machine body configuration

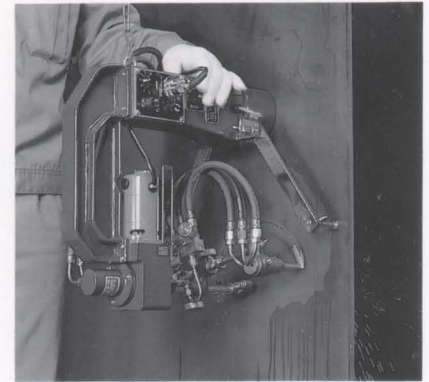
The type I, type II-200 and type II-400V all have the same configuration.

- 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

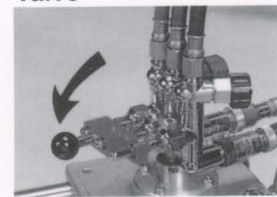


Vertical cutting

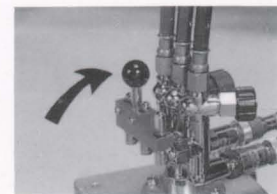
Specifications

| 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") |

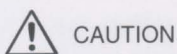
Procedure for operating preset valve



- 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

KOIKE INTERNATIONAL GROUP

KOIKE SANSEI 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

Specifications shown here in are subject to change without notice.

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