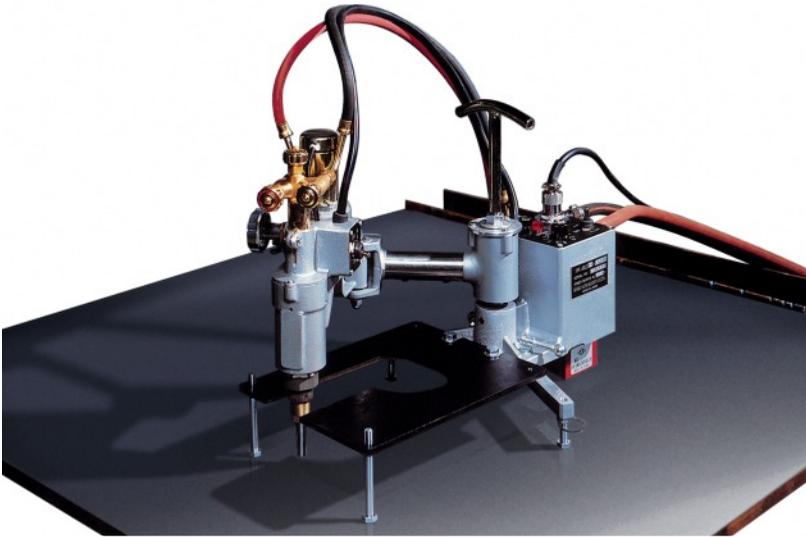


IK-82

Portable Shape Gas Cutting Machine



Most Advanced Magnetic Tracking Machine

Koike's IK-82 is the most advanced magnetic tracing type gas cutter on the market. The innovative design and unique modular structure was created to reduce equipment mass and weight and to provide a system configuration that ensures easy operation. The IK-82 comes in two types according to the effective cutting length; these types employ interchangeable arms. Try the Koike IK-82 series gas cutter for more effective cutting operations.



Features & Benefits

- **Oxy Fuel Pattern Cutter**
Shape cut steel parts
- **Smaller Version of IK-54D**
More portable and compact making it easier to use in smaller spaces
- **Sizes: S Type and M Type**
Size machine to application
- **Tracing Head Tilts Out of Way**
Clean or replace tip quickly
- **Permanent Magnet in Machine Base**
Secures machine to workpiece for smooth, accurate cuts



Easy Tip Replacement: The tip can be easily cleaned and replaced. Flame adjustment is made easy by simply raising the tracer head.



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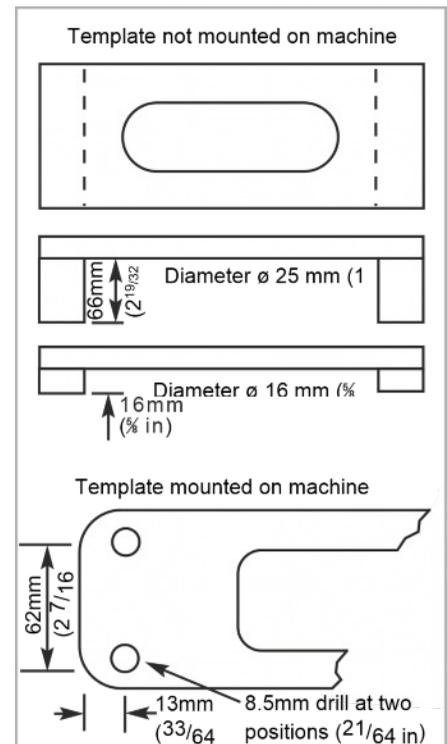
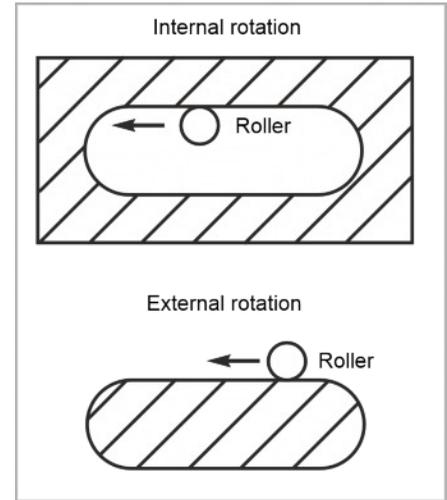
SPECIFICATIONS	IK-82 S200	IK-82 M300
Effective Cutting Capacity	Circle 8 in (200mm) diameter Ellipse 16 1/2 x 16 1/2 in (420 x 160mm)	Circle 12 in (300mm) diameter Ellipse 8 x 24 in (600 x 200mm)
Motor	100VDC, 6W 8,000 rpm	100VDC, 6W 8,000 rpm
Speed Control	By transistor	By transistor
Speed Adjustment	By dial	By dial
Cutting Speed	4-35 in/min (100-900mm/min)	4-24 in/min (100-600mm/min)
Power	120 or 220V AC 50/60 Hz	110, 120 or 220V AC 50/60 Hz
Magnetic Roller Diameter	1 in (25mm)	5/8 in (16mm)
Cutting Thickness	1/4 - 2 in (5-50mm)	1/4 - 2 in (5-50mm)
Tip	Acetylene 402ST type; LPG 406NT type	Acetylene 402ST type; LPG 406NT type
Weight	16.5 lb (7.5kg)	20.9 lb (9.5kg)
Setting	110 lb (50kg) magnet with lever	110 lb (50kg) magnet with lever

MODELS DESCRIPTIONS	PART #
IK-82 S-200 Cpt w/ 3 402ST Tips Acetylene	ZA410-4017
IK-82 S-200 Cpt w/ 3 406NT Tips LPG	ZA410-4018
IK-82 M-300 Cpt w/ 3 402ST Tips Acetylene	ZA410-3017
IK-82 M-300 Cpt w/ 3 406NT Tips LPG	ZA410-3018

Superior Functions Means Superior Cutting

Tracer Head for Handling Ease and Precision Cutting: For easy positioning, the tracer head has a cutting tip at the center of the magnet roller. Cutting is done in close contact with the tracing template to ensure clean, high precision cut faces.

Light-Weight and Rugged Arm with Stainless Steel Pipe Structure: The arms employ simple, rugged stainless steel tubes for substantial weight reduction allowing for improved portability.



Template Production

In the IK-82 series, the location of the magnetic roller movement is the same as that of the torch movement. When making the template, take the following into consideration:

Template dimensions and layout:

- (1) When the outer section of the cutout workpiece is the product:
Product + roller diameter - cut width = template
- (2) When the inner section of the cutout workpiece is the product:
Product + roller diameter + cut width = template

*Note: the cut width varies according to the type number of the tip.
(For details, refer to the Operator's manual)



Template mounted on machine:

To mount the template on the machine, drill the fitting holes on the template as illustrated to the right. If the template is large, install as auxiliary template leg at the position where it does not interrupt magnetic roller travel. This will stabilize the machine.



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