

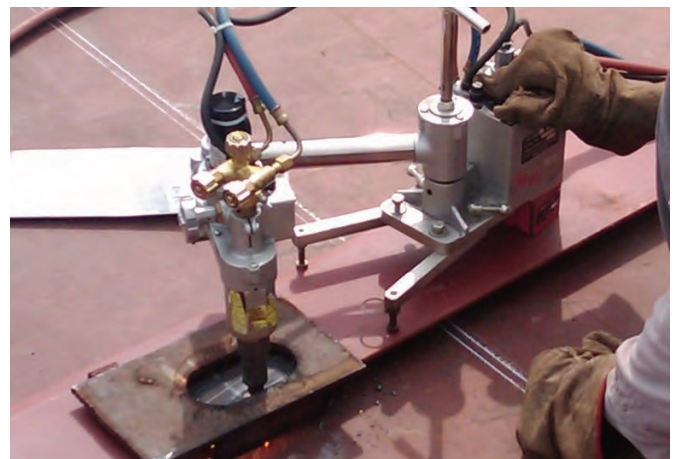
# IK-82 Series

## Portable Shape Cutting Machine

### Features and Benefits

- **Oxy-fuel pattern cutting**  
Increase efficiency and productivity of repeating shape cutting by using templates
- **Compact and lightweight**  
Designed to occupy minimal space. The machine is useful for making holes on H-beam webs, processing bulb stiffener openings on a long strip.
- **Magnetic tracing head**  
Magnet is integrated in the tracing head; clean sharp cuts are realized by accurate template tracing
- **Permanent magnet base**  
Permanent magnet in the machine base secures machine to workpiece for smooth and accurate cuts

The **IK-82 Series** are 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.

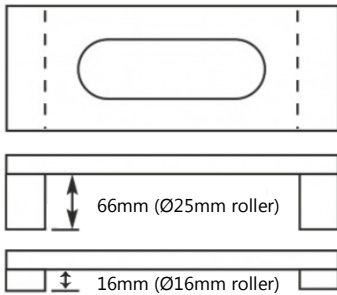


# Hole and slot cutting in narrow spaces

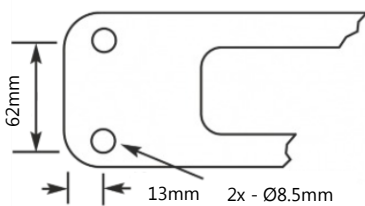
## Increase productivity of repetitive shape cutting

The **IK-82 Series** is an ideal machine to improve productivity and quality of repetitive shape cutting. By the use of template, slot, scallop and hole cutting are easily be done on steel profiles and stiffeners used in shipbuilding.

### On-the-plate template



### Machine-fixed template



Its minimal, compact design allows the machine to be placed in tight spaces, such as between flanges on a H-beam. Magnetic template follower together with simple, rugged stainless steel ensures a sharp cut.

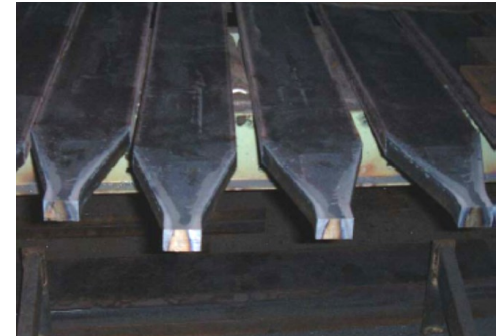
### Template production

Template for IK-82 machines are produced by the customer.

- Thickness 6 - 12 mm steel plate
- On-the-plate templates for easy exchange of template
- Machine-fixed template, convenient for mass-production of similar shapes.



IK-82 M300 being used for profile cutting



Increases productivity of repetitive cuts



Shipyard application example

## Accessories

### Optional accessories

Accessory	Stock #	Description
Transformer AC230V - 110V	90100	For 110V models

## Type and Specification

### Specification

		IK-82 S200	IK-82 M300
Max. cutting capacity	Circle	Ø 200 mm	Ø 300 mm
	Ellipse	420 x 160 mm	600 x 200 mm
Cutting speed		100 - 900 mm/min	100 - 600 mm/min
Magnet roller diameter		Ø 25 mm	Ø 16 mm
Cutting thickness		5 - 50 mm	
Machine securing		50 kg magnet with detaching lever	
Bevel angle		Not suitable for bevelling	
Speed control		By Transistor, dial speed adjustments	
Cutting nozzle	Acetylene	Koike 402ST type	
	Propane	Koike 406NT type	
Input power		AC 110 V	
Weight		7.5 kg	9.5 kg

### Types

Model	Stock #
IK-82 S200 110V	90060
IK-82 M300 110V	90063

### Scope of delivery

Scope of delivery
Machine body with arm and torch unit
Cutting nozzles (102HC or 106HC, 2 size #0, 1, 2)
Power cable
Standard tool set
Operation manual

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