

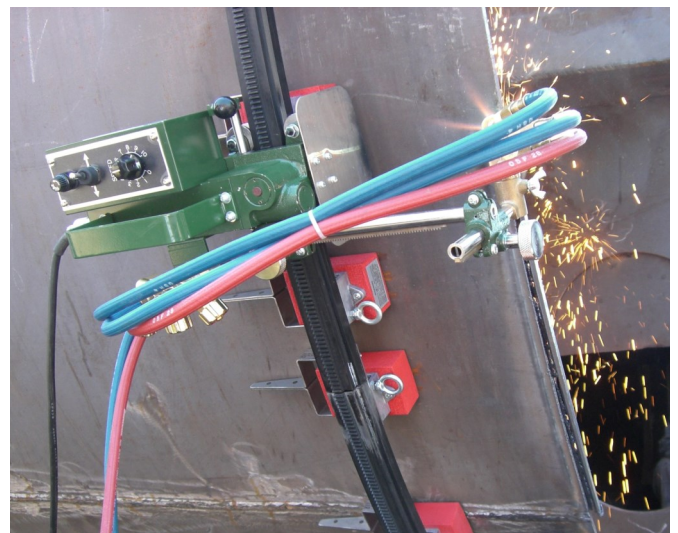
# IK-72T

## All Position Oxy-Fuel Cutting Machine

### Features and Benefits

- **All position oxy-fuel cutting**  
Cuts flat, bended, or twisted steel plates in all positions and directions
- **Permanent magnet rails**  
Secures rail to plate; allows the rail to be used vertically
- **Selectable rail configuration**  
There are 3 unique rail types; all rails can be connected to each other by use of connector kit
- **Clutch lever**  
Allows quick positioning of machine on rail
- **Amazingly lightweight**  
Only 4.5 kg and compact; machine can be carried easily to anywhere.

The **IK-72T** cuts various types of steel including channel, curved plate and angled steel members. Made of aluminium alloy, the IK-72T is lightweight and easy to use. A graduated bevel collar is provided for bevelling. Simply adjust the scales to precise bevel angle.



# High quality cutting in all positions

## Flexibility and versatility

The **IK-72T** is ideal for industries which require out-of-position cutting such as ship-vessel, and tank-building and repair.

There are three different types of rails available.

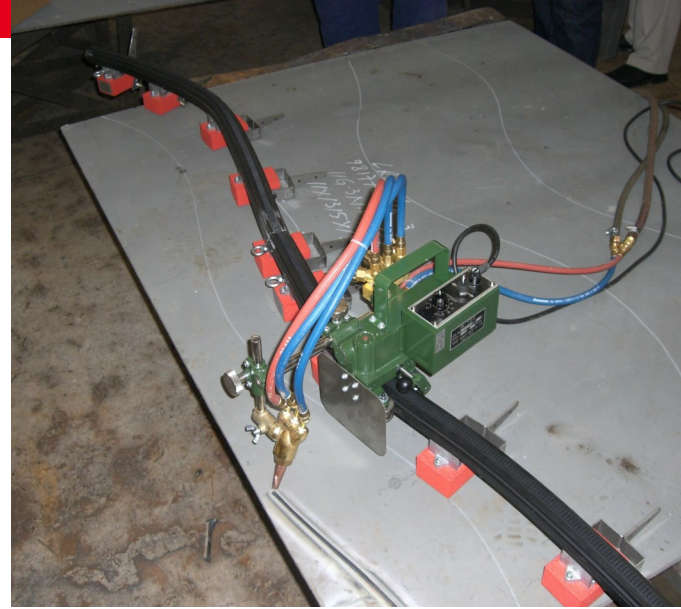
- The **straight 1D rail** made of robust aluminium, allowing straight cutting on flat plate in out-of-place positioning.
- The **double-plane 2D rail** has flexible steel strip inside, which makes the rail not to bend in sideways. Ideal for applications which require straight cutting line on bended plate surface such as tank fabrication.
- **Triple plane 3D rail** is flexible in every direction and suitable for applications which require maximum flexibility.

All rails are delivered with magnetic holder, enabling cuts in vertical and horizontal position. For maximum magnet efficiency and reduction of rail movement, be sure to clean rusty plate before cutting.

## Portability

The **IK-72T** is designed to maximize portability. Aluminium alloy body together with robust gear system made the machine to be extremely light, yet durable in heavy duty working environment.

- **Light weight: 4.5 kg**
- **Rack and pinion drive system**
- **Single-action mechanical clutch system** allows quick machine positioning along the rail.



*Curved line cutting on a flat plate using 3D rail*



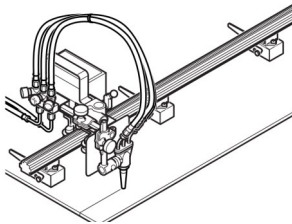
*Welding preparation performed with 2D rail*



## Accessories

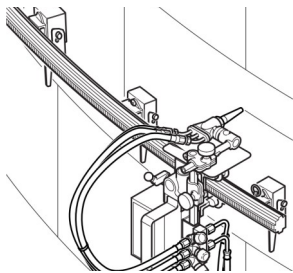
### Rail selections

Accessory	Stock #
IK-72T 1D-RAIL 1500MM	TBPJ64025
IK-72T 2D-RAIL 1000MM	90154
IK-72T 3D-RAIL 1000MM	TBPJ64026



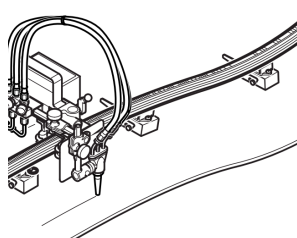
#### 1D Rail 1500mm

- For flat plate
- Extendable aluminium made straight rail
- Ideal for straight cutting and welding applications
- 4 permanent magnets



#### 2D Rail 1000mm

- For bended plane
- Extendable flexible rubber rail with steel plate liner; Maximum bending radius 2500 mm
- 5 permanent magnets



#### 3D Rail 1000mm

- For bended and twisted planes
- Extendable flexible rubber rail; bends in any directions
- Maximum bending radius 2000 mm
- 5 permanent magnets

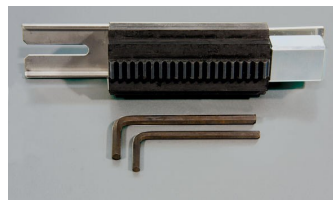


### Optional accessories

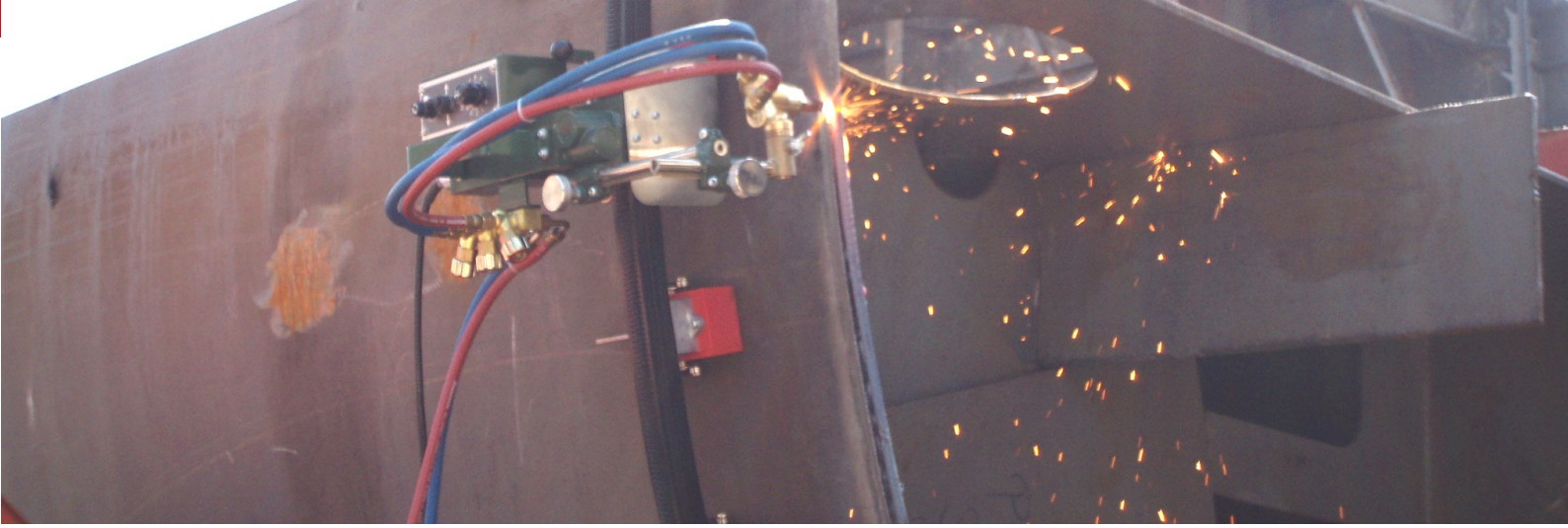
Accessory	Stock #	Description
Rail connector	33107	Parts to connect 1D rail to 2D / 3D rail.
Longer vertical bar 350L	31697	Extends torch positioning by 350 mm
Transformer AC230V - 42V	222.002.207	For 42V models
Transformer AC230V - 110V	90100	For 110V models



Transformer



Rail connector



## Type and Specification

### Specification

	IK-72T
Cutting thickness	5 - 50 mm
Cutting speed	150 - 700 mm
Type of drive	PWM control
Bevel angle	0 ~ 45°
Driving method	Rack and Pinion
Input power	AC 110V / AC 42V
Maximum rail bending radius	2D rail: 2500mm 3D rail: 2000mm
Dimension	L250 x W300 x H190 mm
Weight	4.5 kg

### Types

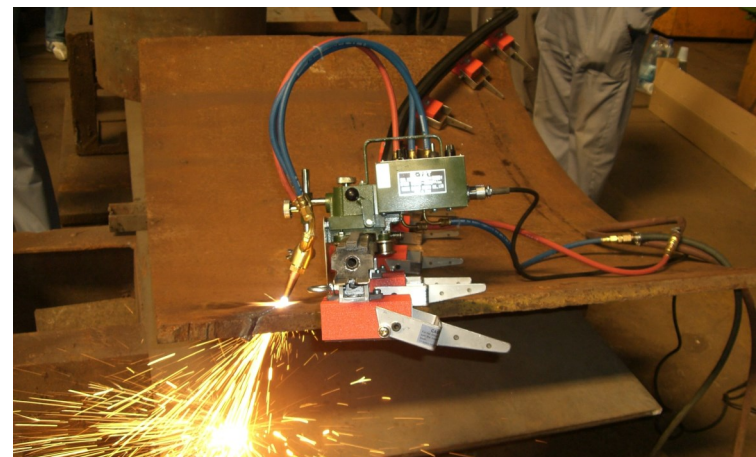
Model	Stock #
IK-72T Machine body 42V	90152
IK-72T Machine body 110V	90151

### Scope of delivery

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



Overhead cutting made possible with strong permanent magnets





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