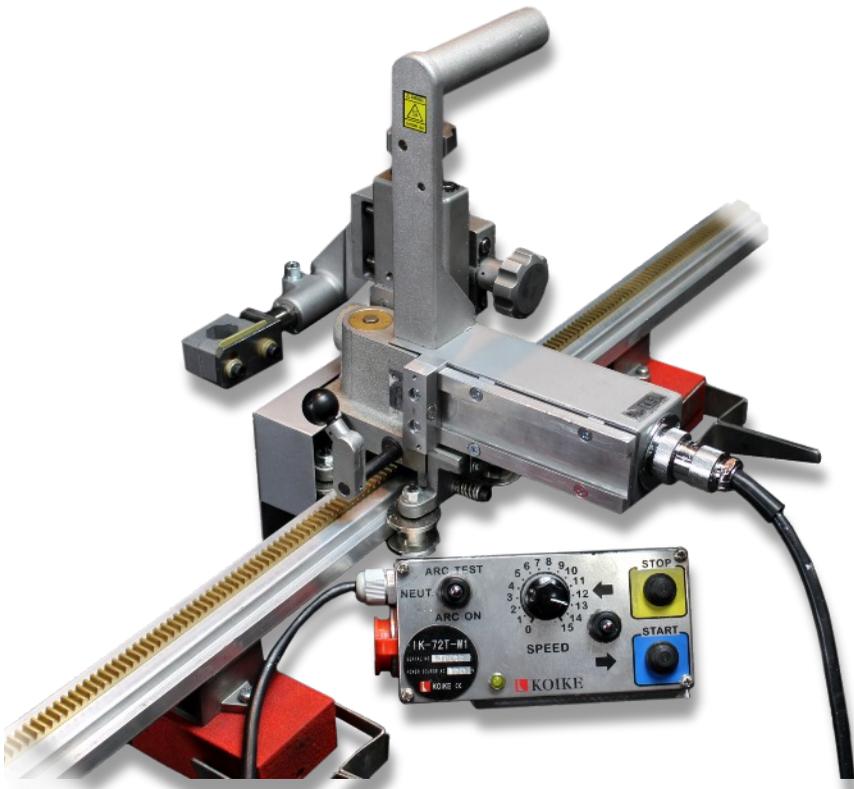


IK-72W

Magnetic Rail Welding Carriage



Light weight welding carriage with magnetic rail system to perform consistent

The KOIKE IK-72W welding equipment is used for straight welding while riding along the 1 D Rail affixed with ultra strong magnets in order to perform vertical welds. Made of aluminum alloy, the IK-72W is light weight and easy to use.

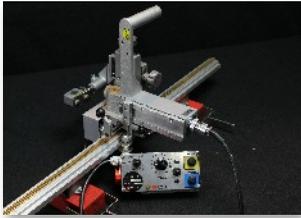
Features & Benefits

- **Remote Pendant**
Allows welder to work in a more ergonomic position
- **Permanent Magnetic Track**
Secures track to plate; allows track to be used vertically
- **Three Rail Options Available**
Aluminum rail; makes accurate straight cuts; extendable track allows welding of longer parts
- **Clutch Lever**
Releases side rollers to allow quick positioning of machine on rail
- **Innovative Use of Materials for Precision Welding**
Light weight aluminum tubing and permanent magnets allow easy alignment and portability.
- **Rack and Pinion**
Provide steady consistent motion in both vertical and horizontal welds.
- **Multi Weld Processes**
Standard and programmable weaving options
- **Light weight at 4.5 kg (10 lb)**
Makes transport and setup easier

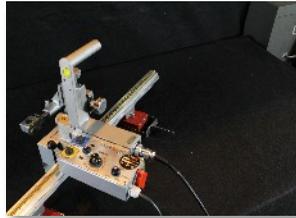


KOIKE ARONSON, INC. / RANSOME

Removable Control Station



Operation Panel shown off of the machine



Operation Panel shown on the machine

SPECIFICATIONS

IK-72W1	Part# TBPI6404004
Drive System	Rack and Pinion
Travel Speed	150-1500 (mm/min) (6 - 60 IPM)
Adjustment range of welding gun Angle	Angle 40° ~ 55° Vertical 45 mm (1.7 in) Horizontal 45 mm (1.7 in)
Welding Margin	Start: 125 mm (4.9 in) End: 140 mm (5.5 in)
Welding Positions	Fillet welding, downward welding & vertical welding
Power	AC 115 V/220 V 50/60 Hz Single Phase 1A
Weight	4.5 kg (10 lb)
Carriage Size	350 mm x 250 mm x 230 mm 13.8 in x 9.8 in x 9.0 in



1D single-plane rail



2D double-plane rail



3D triple-plane rail

RAIL OPTIONS

1D Rail (straight plane) Vertical cutting is possible 1,500mm (60in)	TBPI64025
2D Rail (double plane) 1D(up) + 1D(down) 1,000mm (40in) 60° bend radius	ZS31680
3D Rail (triple plane) 1D(up) + 1D(down) + 1D(twist) 1,000mm (40in) 60° bend radius	TBPI64026

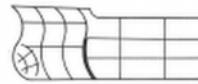
Welding Precision

The KOIKE IK-72W is a light weight welding carriage using the IK-72 magnetic rail system. Setup is minimal with control on all axes. A remote pendant allows for the welder to work in a more ergonomic position. The pendant can then be attached to the carriage to be used as a compact system. The rack and pinion system provides steady consistent motion in both vertical and horizontal welding applications. While developed for the heavy truck trailer and shipbuilding industries, many other welding applications can be automated using the IK-72W. Most welding torches and power supplies are able to be integrated into the system allowing the use of existing equipment.

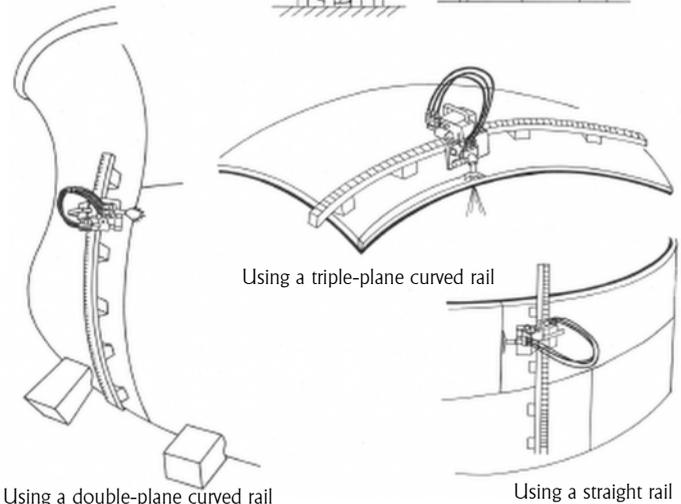
Studies show that semi-automation reduces production costs and increases the quality of the welding process.

APPLICATIONS

Triple-plane curve welding at the bow of a ship using triple-plane curved rail



Welding the material for a round tank, double plane rail application



JQA-2093

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ISO 9001:2008

BUREAU VERITAS
Certification



IK-72W 10/15 KENG