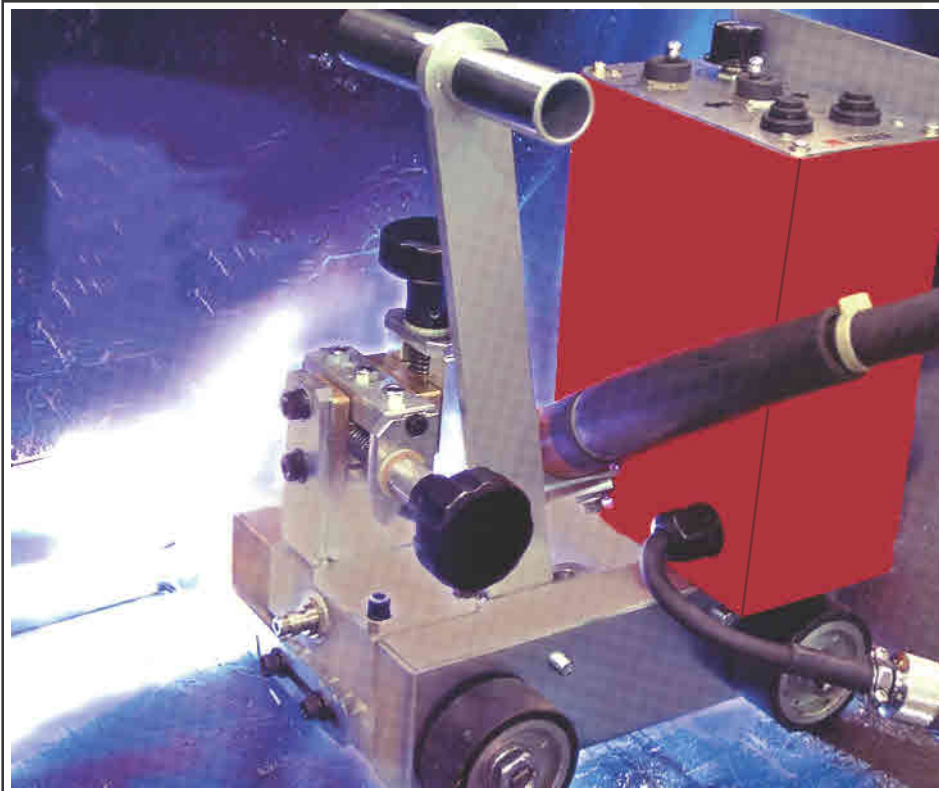


WEL-HANDY MINI-III

Compact Trackless Fillet Welding Carriage



Feature & Benefits

- **Light Weight at 7kgs (15lbs)**
Makes transport and set-up easier
- **Pulling Power of 16kgs (35lbs)**
Provides stable welding even under heavy loads
- **No Track Required**
Self guiding eliminates cost and time to set- up rails
- **Limit Switches on Carriage Ends**
Automatically stops machine and weld at predetermined stop point
- **Permanent Magnet**
Rare earth magnet holds unit secure to the work piece
- **Magnet Lift Handle**
Turns Magnet on and off by handle
- **Horizontal Use**
Weld in flat position

Portable Welding Automation Benefits

- **Arc Time**
Reduces arc time per weldment by up to 250%
- **Overwelding**
Filler metal usage decreases by up to 60%
- **Distortion**
Reduces distortion and improves fit up
- **Defects**
Rework and scrap are reduced considerably
- **Worker Fatigue**
Operator efficiency and productivity improves
- **Accuracy**
Mechanized cutting welding reduces clean up and improves fit-up
- **Safety**
Safety is increased by allowing the operator to stand away from sparks and fumes



KOIKE ARONSON, INC.

Lightweight, Compact, Fillet Welding Carriage

Compact Welding Carriage

Designed to be used in smaller areas where the Wel-Handy Multi could not fit.

Easy set up

No guide rails means fast and easy setup. In most cases existing welding equipment can be used.

Auto Height Control

The Wel-Handy Mini III driving on the plate of the fillet weld keeps the contact tube to work distance set without the need for a torch height control.

One of our many customers describes Koike's portable Wel-Handy Multi carriage:

“Basically, we were able to take the hand torch from the welder and mount it on the carriage. It was really that simple! We were able to use the same welding settings, only now the welder was able to concentrate on the actual weld without becoming fatigued. The most obvious increase in production was the amount of weld that was done in a day. The same welder that was producing 110 feet of weld a day was now able to produce 250 to 300 feet of weld a day. As the semi-automated system was used, we discovered new benefits that provided a tremendous amount of cost savings and improved our operators working environment”

Key Features make set up faster and operation simple

Controls Guard

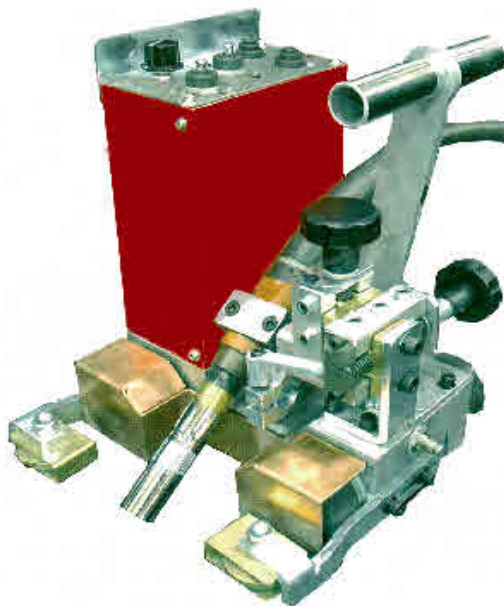


Combination Lifting Handle and Magnet Release ON/OFF

Easy Operation Panel



Heavy Duty Guide Rollers



Quick Torch Adjusters



Essentially by taking the welding gun out of the welder's hand and mounting it on a welding carriage you have exact control over many of the below parameters

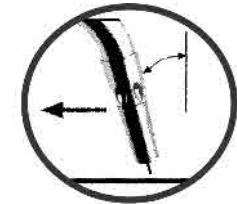
Travel Speed



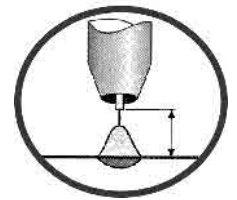
Transverse Gun Angle



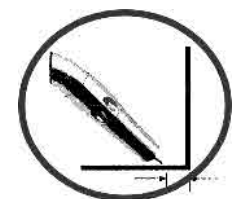
Gun Travel Angle



Contact Tube to Work Distance



Electrode Position



Portable Welding Automation Set - Wel-Handy Mini III 500

Wel-Handy Mini III 500 - Part # WHMIII500

Complete ready to weld portable fillet welding automation system, designed to match the Wel-Handy Mini III features and specifications.

Wel-Handy Mini III

Portable Welding Carriage

Portable mechanized fillet welding carriage rated for 350A continuous use.

Thermal Arc Professional PowerMaster 500 - 500AMP

Tweco Spray Master MIG Gun

Designed for Wel-Handy Mini III and manual use.

Portable Running Gear

Easy load cylinder rack, cable storage, robust handle easily moves welding system on large 8" (200mm) front and rear wheels.

Multi-Process

Standard set up for GMAW and FCAW electronic control ensures extremely smooth, arc characteristics across welding processes.

Inverter Design

Heavy-duty, compact design with exceptional dynamic welding performance.

Multi-Voltage

208~460, 3Ph 50/60Hz

Wel-Handy Mini III interface

Easy set up of the Powermaster 500, VA4000 and the Wel-Handy Mini III

Ultrafeed VA 4000 Wire feeder

Digital Meters

Display of welding parameters

Timed control

Pre flow/Post flow, wire burn back and spot weld timer

4 roll wire drive

Heavy duty quick change drive rolls with unique wirefeed monitor display wire speed range.

Wire feed set up

Inch, purge and gun trigger hold adjustments

Standard wire size

Standard set up .045 wire (Range .024 ~.125" (0.6 ~3.2mm)

Wire Speed Range

50~875 IPM (1.25 ~ 22.1m/min)

Accuflow Argon/Co2 Mix Gas Regulator

One touch precise gas flow control system allows accurate gas flow control by simply adjusting the dial, saving both time and gas

Kobelco Welding Wire Sample Spool

Frontiarc - 711 .045

All position welding wire with less spatter and good slag removal



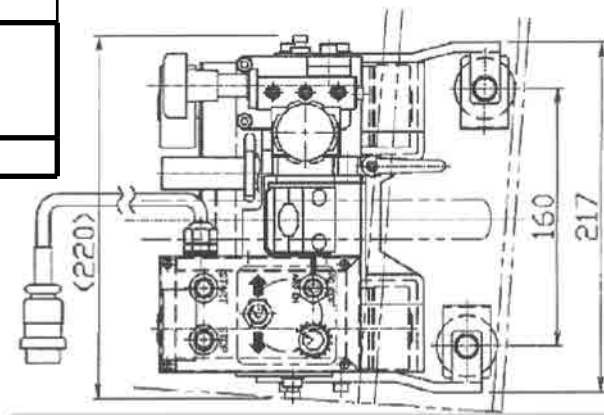
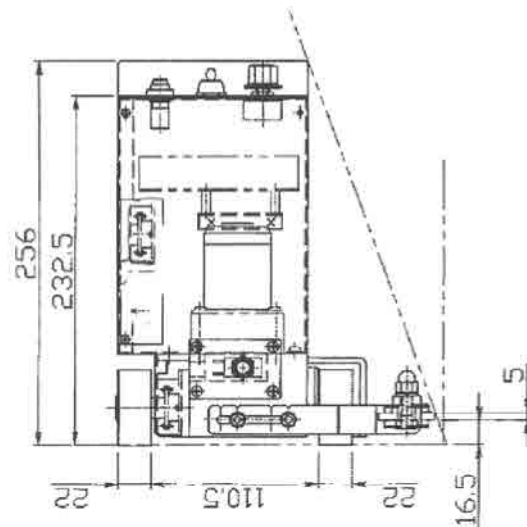
Specifications



WEL-HANDY MINI-III

Portable Mechanized Welding

SPECIFICATIONS	
Torch Angle Adjustment	(35 to 55°)
Travel Speed	100-1000mm/min(4-40in/min)
Speed Control	Controller IC (dial adjustment)
Heat Shield	Rated for 350A continuous use
Permanent Magnet	Rare Earth Type
Direction Changing	Forward/Reverse switch
Input Voltage	AC120V to 240V (50/60Hz)
Wire Feeder Interface Connection	Lincoln Electric® (*Note Option*)
Dimensions (L,W,H)	220mm (8.6") x 215mm (8.5") x 280(11")
Weight	6.9kg (15.8lbs)
Wel-Handy Mini III (only)	Part # 61004624
Wel-Handy Mini III with PowerMaster 500 welding package	Part # WHMIII500
* Miller Interface Adapter *	Part # 0868583600



Note: Dimensions shown in millimeters



The Wel-Handy MINI-III Takes Compact Welding Carriages in New Directions

High quality mechanized welding without track and without any loss of accuracy. "Weld it with Koike!"



Koike Aronson, Inc.

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ISO 9001
BUREAU VERITAS
Certification



Visit us at www.koike.com