

KAIYUAN

Submerged Arc Welding



ISO9001:2000 Quality Management System Certification
No. 03409010561R1M



GAN CCC Compulsory Certification
PASS Through European CE Mark



Kaiyuan Welding & Cutting Automation India Pvt., Ltd.

M Series

Double power and tandem wire SAW tractor



The most popular tandem wire SAW tractor



M10 SAW tractor

The convincing high reliability

- The imported special wire feed and drive motor with durable steel seat stabilize the performance.
- Four wheel driven, traveling steadily.
- The protection prevents damage to the PCB caused by internal short of control cable, short between control cable and the workpiece or the output cable.
- Anti-interference of high frequency, which prevents damage to the PCB caused by high frequency and voltage generated by the working TIG welder around the SAW machine.

The excellent welding performance

- Torch space adjustable. Both torches can be adjusted horizontally simultaneously. Each torch can be independently adjusted for vertical direction, front-and-back tilt and right-and-left tilt, to fit different processes.
- Digital display of welding parameters, easy for reading.
- Welding parameters presettable, easy for operation.
- The touch sensing function, with the precise control of retracting, makes the arc striking easier and get a ignition rate of 100%.
- The arc can also be struck by scraping, to fit different working conditions.



Panel of control box

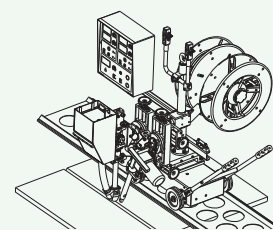
Rated specifications

Model	MZC-1000M10	MZC-1250M10	MZC-1600M10
Applicable wire diameter	mm 2.4/3.2/4.0/4.8	3.2/4.0/4.8/6.4	
Arc striking mode	-	Retracting / Scraping	
Wire feed speed	m/h 20-200	16-160	
Welding speed	m/h	9-75	
Cross slide board adjustment	mm	150x150 (Horizontal x Vertical)	
Base board adjustment	mm	70	
Rotating angle	-	360°	
Adjustable angle of the welding head	-	45°	
Front-and-back adjustment of welding head	-	45°	
Flux capacity	L	8	
Wire reel capacity	kg	25x2	
Dimension (LxWxH)	mm	1000x600x950	
Net weight	kg	120	

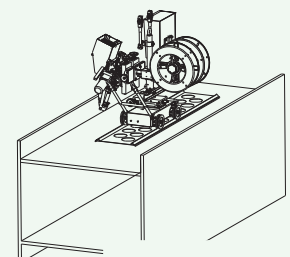
Wide Applicability

- It is widely used in various SAW applications such as flat position welding, fillet welding in the flat position.
- The two torches can weld simultaneously or independently, to meet different demands.

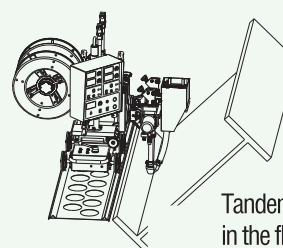
Welding position



Tandem wire flat plate welding

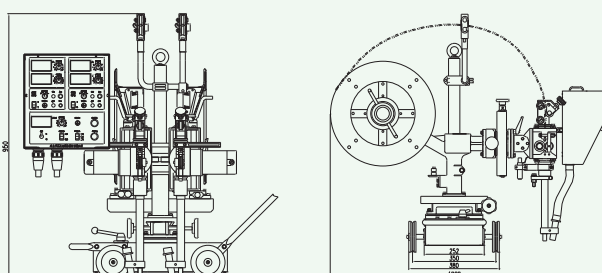


Tandem wire flat fillet welding



Tandem wire fillet welding in the flat position

Overall Dimension



Specific welding device

sub arc welding automatic products with 20 years experience on welding automation manufacturing

▶ Hanged boom sub arc welding machine

It consists of carriage, hanged boom, seam tracking device, electrical control, flux recovery and sub arc welding power source, welding head and etc.

Mainly for sub arc welding, single wire or tandem wires make high welding efficiency, good shaping and wide work application.



◀ Gantry type sub arc welding machines

Fillet welding in flat position, when welding, the work is fixed, while the gantry moves with inverter speed adjust; boom equips with two guide bars and hanged two welding heads, and the lift and travel motions are controlled by motor; mechanical tracking device, high welding quality; automatic flux recovery, reducing man power; single wire or tandem wires sub arc welding.



▶ Box beam gantry type ESW machine

Gantry ESW machine is equipped with HS ESW device, especially for box beam clapboard welding. It is the most important part of box beam automatic welding product line.



◀ Visible arc cladding device

For concrete industry(crusher, roll squeezer, vertical mill and etc.), iron fabrication(continuous caster roll, grid section, hole roll ,cold rolling backup roll, hot rolling backup roll, steel rail, wearing plate and etc.) power industry (coal mill, boiler wall, air blower and blade, fly ash pipe and vessel) surface hardening or repairing. Through power source, visible arc head, high precision guide rails, control system, water cooling system can realize oscillating welding, automatic layer arrangement, lift function.



CAUTION

● Read the manual instruction carefully before using.

KAIYUAN

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