

Rated Specifications

Item		YD-350FD2	YD-500FD2
Power control method	-	IGBT inverter type	
Rated input voltage	-	3-phase AC 380 V	
Rated input frequency	Hz	50/60	
Rated input	kVA/kW	17.6/13.5	29.9/23.9
Output characteristic	-	CV(Constant Voltage)	
Rated output current	A	DC 350	DC 500
Rated output voltage	V	31.5	39
Rated duty cycle	%	60	
Rated output no-load voltage	V	DC 80	
Output current adjustable range	A	DC 40~430	DC 60~500
Output voltage adjustable range	V	16~35.5	17~39
Method of welding	-	Individual / Unitary	
Enclosure protection class	-	IP23S	
Insulation grade	-	Main transformer 155°C (F class), Reactor 200°C	
Applicable wire size (diameter)	-	Soft/Hard Aluminum 1.2/1.6	
Memory	-	100 channels of welding parameters can be stored and recalled.	
Sequence	-	Welding/ Welding-crater/Initial-welding-crater/Tack welding	
Shielding gas	-	MIG Aluminum Ar: 99.99%	
Gas check time	-	60 s (Max)	
Pre-flow time	-	0 s - 5.0 s continuous (0.1 s Increment)	
Post-flow time	-	0 s - 5.0 s continuous (0.1 s Increment)	
Tack welding time	-	0.3 s - 10.0 s continuous (0.1 s Increment)	
Cooling liquid tank volume	L	9	
Cooling method/ circulation type		Circulating cooling/Pump forced circulation	
Cooling capacity	kW	1.5 (Tested at flow rate of 1L/min)	
Cooling liquid max hydraulic head	m	20	
Dimension	mm	1200 x 570 x 1060	1200 x 570 x 1060
Mass	kg	124	133

World-class Welding Quality at Your Doorstep

- ➊ Panasonic Smart Factory Solutions India has set-up its state-of-the-art manufacturing facility in Jhajjar, Haryana, India. So our globally proven range of welding equipment including MMAW, MIG/MAG, TIG, Plasma Cutting, Welding Accessories, and Welding Robots are now available at your doorstep.
- ➋ Assured commitment to long-term product support in terms of Sales, Service and Spares.
- ➌ All-India Sales and Service network.



Range of Welding Equipment: MMAW | MIG/MAG | TIG | Plasma Cutting | Welding Accessories | Welding Robots
Panasonic has set-up its own state-of-the-art welding equipment manufacturing facility at Jhajjar near Gurugram, Haryana, India.

PANASONIC LIFE SOLUTIONS INDIA PVT. LTD.

(Division Company: Panasonic Smart Factory Solutions India)

Head Office: 12th Floor, Ambience Tower, Ambience Island, NH-8, Gurugram - 122002, Haryana, India.
Phone: +91-124-4871300

Factory : Village Bid Dadri, Tehsil and District: Jhajjar - 124103, Haryana, India.

Eastern Regional Office : Acropolis Mall, 8/6, Plot No. 1858, 8th Floor, Rajdanga Main Road, Opp. Kasba New Market, Kolkata - 700016, West Bengal.

Western Regional Office : 5th Floor, Unit No. 502 & 503, Windfall Building, Sahar Plaza Complex, Survey No. 179A to 179H, J. B. Nagar, Andheri East, Mumbai - 400058, Maharashtra.

Southern Regional Office : 66th Floor, Polyhose Towers, No. 86, Anna Salai, Guidy, Chennai-600032, Tamil Nadu

Central Regional Office : Ayodhya, 119, 2nd Floor, Bajaj Nagar, Nagpur - 440010, Maharashtra.

Sales Offices at Ahmedabad, Bengaluru, Bhubaneswar, Mumbai and Hyderabad.

For more information and service related queries please write to: Psfsin.enquiry@in.panasonic.com

Authorised Sales & Service Provider



+91-9729900200

Panasonic

YD-350/500FD2

Full Digital Pulse MIG/MAG Welding Machine



The Specialized models for aluminium MIG welding

High performance-price ratio

RoHS

Restriction of Hazardous Substances

www.panasonic.com/in/business/introduction.html

Recommended application industries: construction aluminum formworks, aluminum alloy furniture and pallets etc.

The high-quality aluminum MIG welding of both thin and middle thick aluminum plate

- Thanks to quad-core processor and integrated software control algorithm, the optimum pulse waveform control has been achieved, make welding arc more stable.
- By taking use of the built-in specialist database of 1.2 and 1.6 welding wires, the machine is suitable for the welding of thin and thick aluminum plate.

The wire feeder motor equipped with the high-precision encoder

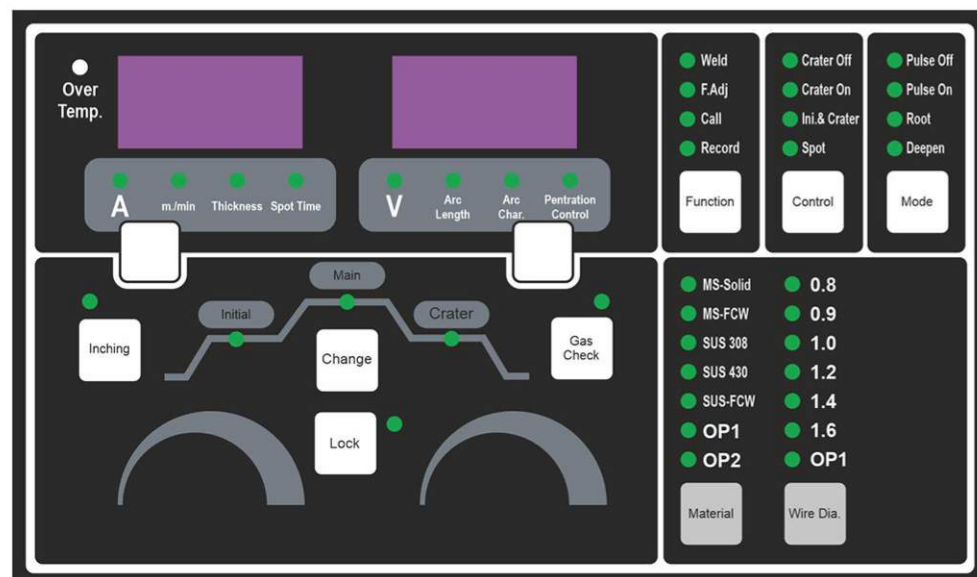
- The motor equipped with digital encoder provides the precise wire feeding, powerful feeding force and high anti-inference ability, ensuring stable welding.
- The enclosed structure can significantly prevent the contamination of the dust.
- The damping shaft offers proper braking capability.
- The 4-roll mechanism enables the wire feeder to give you powerful and stable wire feeding performance.



The instant and stable arc ignition

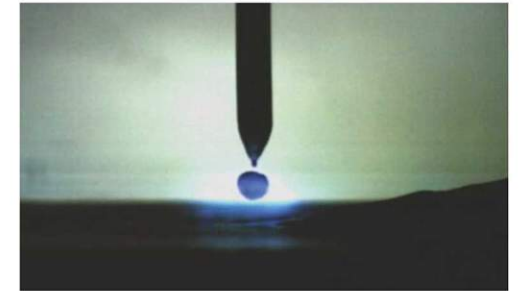
- Thanks to the motor equipped with full-digital encoder and unique arc start control technology, the instant arc ignition is realizable.
- The control on the shape of the molten ball at the tip of welding wire paves the way for the next successful arc ignition.

The user-friendly operation interface



The various welding modes optimized for aluminum welding

- The single pulse welding mode is suitable for medium and thick aluminum materials and the dual-pulse mode for thin plate and vertical welding.
- The arc-length control technology can change the arc thermal output.
- The requirement for a variety of aluminum alloys can be widely satisfied.
- According to the special aluminium alloy materials, the specific arc software packages can be customized.



Abundant arc characteristics help you to realized high-quality welding for aluminum

Material	Shielding Gas	Control Mode	Wire Diameter (mm)
Aluminum-magnesium	MIG	Pulse OFF (DC)	1.2
			1.6
		Pulse ON (DC.P)	1.2
			1.6
Aluminum-silicon	MIG	Pulse OFF (DC)	1.2
			1.6
		Pulse ON (DC.P)	1.2
			1.6
Other Materials	Custom-tailor Development		

Convenient and practical management functions

- 100 groups of welding conditions can be stored and recalled.
- The upper and lower limits on welding current can be set, avoiding the operation against preset parameters.

Optional wire-draw welding gun

The wire-draw welding gun can improve the wire feeding stability and greatly expand the operational area. (The special wire feeder should be equipped. The maximum length of the cable is 10m.)