

■ **Transistor Power Supply** **NEW**



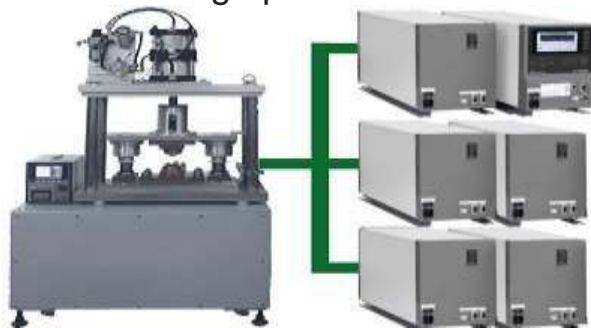
**MDA-10000A**  
(Master at right / Slave at left)

**Standard: MDA-10000A**  
**Polarity switchable:**  
**MDB-5000A**

**Short-time, large-current welding by multiple connection of power supplies.**

■ **Features**

- **Multiple connection of power supplies realizes high power welding at short time!**
- MDA-10000A : Maximum twelve units connectable (One master and eleven slave units)  
Design your own system to add power supplies as much as you need to obtain enough power.



\* At left: Customised weld head (Maximum weld force: 20kN)

- ### One master unit to control all connected unit

It does not necessary to set the weld schedule at each unit anymore. It needs to set only at a master unit which controls all slave units.

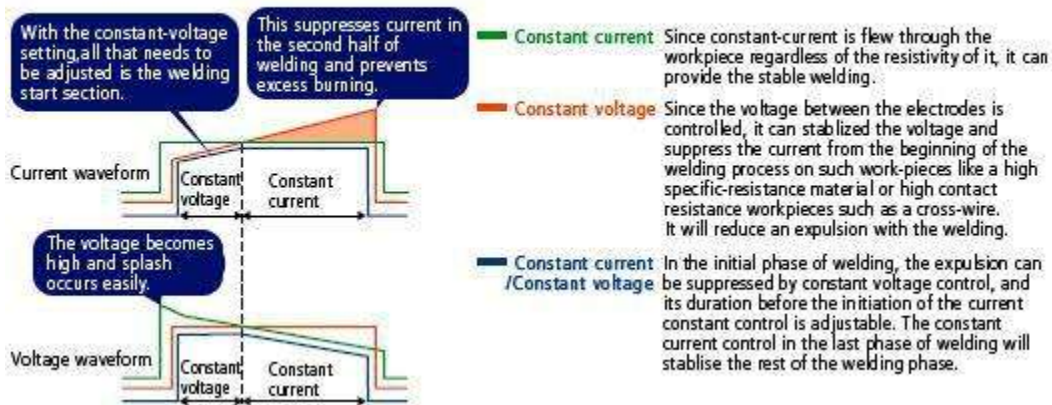


- ### All units' current feedback

The current feedback feature controls to stabilize current of all connected units collectively.

- ### Three control types to choose from

Features three types of control: constant current, constant voltage, and constant current and voltage



- ### Plarity switchable type: MDB-5000A

- MDB-5000A : Connection of a master and a slave unit.

Three control types; which are same as MDA-10000A, can be selected.

Peltier effect can be reduced and shape of nugget can be uniformed.

## Specifications

Model		MDA-10000A
Type		Standard type
Power requirements		Single-phase, 100 to 120VAC or single-phase, 200 to 240VAC 50/60Hz
Maximum power consumption		430W
Maximum weld voltage		30V
Control method		Constant current control / constant voltage control / constant current and voltage control
Number of connectable slave units		0 to 11
Maximum weld current		10.0kA (Master unit) Increase 10kA for every additional slave unit
Timer setting (31 schedules)	Squeeze	000 - 9999ms
	Precheck welding	0.00 - 1.00ms
	Precheck evaluation time	2ms (Fixed)
	Upslope	0.00 - 9.99ms (Welding is included)
	Weld (1-step welding mode) / Weld 1,2 (2-step welding mode)	0.00 - 9.99ms
	Cool (for 2-step welding mode only)	0.00 - 9.99ms
	Downslope	0.00 - 9.99ms (Welding is included)
	Hold	000 - 999ms
Monitor display		WELD1,2(Average current/average voltage),

	WELD1,2(Peak current/peak voltage), WELD1,2(Average power/average resistance), Waveform of current, volatge, power and resistance, and Schedule number
Dimensions (mm)	Master unit: 172(W) X 636(D) X 350(H) Slave unit: 172(W) X 614(D) X 269(H)
Mass	37kg

Specifications subject to change without notice.

Model	MDB-5000A	
Type	Polarity switchable type	
Power requirements	Single-phase, 100 to 120VAC or single-phase, 200 to 240VAC 50/60Hz	
Maximum power consumption	430W	
Maximum weld voltage	30V	
Control method	Constant current control / constant voltage control / constant current and voltage control	
Number of connectable slave units	1	
Maximum weld current	5.0kA (Master unit only) 10.0kA (A master and a slave)	
Timer setting (31 schedules)	Squeeze	000 - 9999ms
	Precheck welding	0.00 - 1.00ms
	Precheck evaluation time	2ms (Fixed)
	Upslope	0.00 - 9.99ms (Welding is included)
	Weld (1-step welding mode)/ Weld 1,2(2-step welding mode)	0.00 - 9.99ms

	Cool (for 2-step welding mode only)	0.00 - 9.99ms
	Downslope	0.00 - 9.99ms (Welding is included)
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Monitor display	WELD1,2(Average current/average voltage), WELD1,2(Peak current/peak voltage), WELD1,2(Average power/average resistance), Waveform of current, volatge, power and resistance, and Schedule number	
Dimensions (mm)	Master unit: 172(W) X 636(D) X 350(H) Slave unit: 172(W) X 614(D) X 269(H)	
Mass	37kg	

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# External view

- MDA-10000A / MDB-5000A (mm) \*The values in parentheses are of a slave unit.

