



SWSI

Southern Welding Systems International LLC

Welding | Industrial | Safety

International Wholesale Distribution

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SPOT WELDERS



MillerWelds.com/SpotWelders

Tongs and Tips. Miller offers a wide variety of both symmetrical and asymmetrical tong and tip configurations. Maximum capabilities of spot welders are obtained with minimum tong lengths. Tips are made of durable Class 2, long-wearing copper alloy.

See Literature No. SW/1.0 and SW/3.1 for full range of tongs and tips.

Air-Cooled Spot Welders See Literature No. SW/1.0

MSW and LMSW Series lightweight, air-cooled units are portable, easy to operate, and provide a quick and effective means for spot welding mild, galvanized or stainless materials.



- **“T” models include timer panel** with a 0 to 5 second weld timer and power on/off switch. Timer panel can be mounted on the optional SWP-2 pedestal or any other convenient location. Includes 10-foot (3 m) input power and interconnecting cords.
- **Hand lever locks tongs firmly on material**, ensuring positive, accurate fit-up.
- **Accommodates a wide variety of tongs and tips.**
- **Quick and easy adjustment** for material thickness.
- **Reversible for left- or right-hand operation.**

*Tongs and tips must be ordered separately — see Lit No. SW/1.0 for full range of tongs and tips.

1 Phase

Process

- Resistance Spot Welding

Note: Not recommended for welding aluminum, copper or copper alloys.

Most Popular Accessories

- **Gyro Bail** #041 979
Supports weight of welder. Operates with boom and counterweight or from spring-loaded cable. Spot welds in any position.
- **Spot Welder Pedestal** #040 872

Note: Tongs/tips must be ordered separately. One standard set of tips is supplied with each set of tongs; see diagram above.

Visit MillerWelds.com or your distributor for other Miller® options and accessories.

Model/Stock Number*	Input 50/60 Hz	Work Capacity (Combined thickness uncoated mild steel using 6-in. [152 mm] tongs)	Rated Output	Rated Output (Calibrated with standard-type tongs)			Max Open-Circuit Voltage	Dimensions	Net Weight
				6 in. (152 mm)	12 in. (305 mm)	18 in. (457 mm)			
MSW-41 (#900 371) MSW-41T (#901 345) w/Timer	110 VAC 30 A	1/8 in. (3.2 mm) or two pieces of 20-ga. (1.8 mm) galvanized steel	1.5 kVA at 50% Duty Cycle	5550 A	4500 A	3600 A	1.6	H: 6 in. (152 mm) W: 3.75 in. (95 mm) D: 13 in. (330 mm)	22 lb. (10 kg) 34 lb. (15 kg) w/Timer
LMSW-52 (#900 377) LMSW-52T (#901 357) w/Timer	220 VAC 30 A	3/16 in. (4.7 mm) or two pieces of 16-ga. (3.0 mm) galvanized steel	2.5 kVA at 50% Duty Cycle	6750 A	5800 A	4850 A	2.5	H: 6 in. (152 mm) W: 3.75 in. (95 mm) D: 16 in. (406 mm)	30 lb. (14 kg) 42 lb. (19 kg) w/Timer

Water-Cooled Spot Welders See Literature No. SW/3.1

SSW Series of water-cooled resistance spot welders offer the power needed for light fabrication and sheet metal work.



- **Built-in squeeze/weld timer** makes it quick and easy to set or adjust squeeze and/or weld time in hundredths of a second.
- **Set-up/weld switch** permits checking of tong pressure and alignment without making a weld.
- **LED display** makes it easy to read and see timer settings.
- **Ten-step current control** adjusts output current with no change in duty cycle.
- **Adjustable tong pressure nuts** to adjust tong pressure for different thicknesses and applications.

*Coolant system required to operate—order separately.
Tongs and tips must be ordered separately—see Lit. No. SW/3.1 for full range of tongs and tips.

1 Phase

Process

- Resistance Spot Welding

Note: Not recommended for welding aluminum, copper or copper alloys.

Comes Complete With

- Stationary welding head
- Remote foot switch
- 37.125-inch high, all-steel pedestal inclusive of controls and timer
- Air filter, regulator assembly

Note: Order tongs/tips separately to match your applications.

Most Popular Accessories

- Coolant Systems (pg 82)
Coolmate™ 3, 115 VAC #043 007
Coolmate™ 3, 230 VAC #043 008
Coolmate™ V3 #043 009
Coolmate™ 4 #042 288

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Model/Stock Number*	Input 50/60 Hz	Work Capacity (Combined thickness uncoated mild steel using 6-in. [152 mm] tongs)	Rated Output	Rated Output (Calibrated with standard-type tongs)			Max Open-Circuit Voltage	Net Weight
				6 in. (152 mm)	12 in. (305 mm)	18 in. (457 mm)		
SSW-2020 ATT (#903 826)	230 VAC, 90 A	1/4 in. (6.3 mm)	20 kVA at 40% Duty Cycle	12,500 A	10,500 A	9000 A	3.55	185 lb. (84 kg)
SSW-2040 ATT (#903 827)	460 VAC, 45 A							