

Cutlass “ARC-700” & “ARC- 900”

Drawn Arc & Short Cycle Stud Welding Systems



PHM-12 for drawn arc welding with ferrule.



PHM-10 for short cycle welding.

The ARC-700 and ARC-900 stud welding systems are ideal portable welders for welding steel and stainless steel studs on site, on board ship or as a compact job shop system for welding structural applications in drawn arc mode with the standard PHM-12 weld gun. Their versatility is further enhanced with the optional gas mode for ferruleless arc stud welding, and the optional PHM-10 weld gun for thinner sheet metal applications. Operation is simplicity itself, with only one parameter on the controller (time) to change for different stud diameters. The controllers are self contained, reliable and using three phase power provide stable, regulated output current control.

....As you can see the system comes to you ready to perform, complete with the accessories for immediate welding...just hook it up to your power supply and away you go.

The system includes:

- ◆ ARC-700 or ARC-900 controller capable of operating in Arc or Short Cycle Mode
- ◆ PMH-12 weld gun complete with 16ft. weld/control cable assembly.
- ◆ Twin 16ft. ground cable and clamp assembly.
- ◆ Stepless time control from 5 - 1,000 milliseconds.
- ◆ Accessory pack to include adjustable legs, small footpiece, allen keys and chuck drift.
- ◆ Operation and maintenance manual.
- ◆ Two weld chucks and ferrule grips.
- ◆ Thermostatically controlled fan.
- ◆ Digital time display, system monitoring and diagnostic LED indicators of all weld functions.



Cutlass Fasteners, Inc. 83 Vermont Ave., Unit 6, Warwick, RI 02888

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TECHNICAL DATA

	ARC-700	ARC-900
Stud CapacityDrawn Arc	3/8 (10mm)	1/2 (12mm)
.....Short Cycle	5/16 (8mm)	5/16 (8mm)
Weld GunDrawn Arc	PHM-12	PHM-12
.....Short Cycle	PHM-10	PHM-10
Weld/Control Cable	16 ft.(5 mtrs.)	16ft.(5 mtrs.)
Ground Cable (Twin)	16 ft.(5 mtrs.)	16ft.(5 mtrs.)
Max. Output	700 Amps	900 Amps
Time Control	5 – 1,000 milliseconds	5 – 1,000 milliseconds
Controller Weight	80 lbs (36 kgs.)	84 lbs.(38kgs.)
Max. Weld Rate	6 to 35 studs/minute depending on stud dia. and application	
Controller Size	17" (430mm) L x 11" (275mm) W x 9" (220mm) H	
Power Requirements	230/460 Volt, 60/30 Amp, 50/60 Hz	

Cutlass Fasteners have been making stud welding systems for over 25 years. We strive to produce the **most reliable** and **best value** stud welders. With our commitment to continuous research and development in the stud welding field we are now able to offer our most versatile line of welders to date.

The PHM-12 Drawn Arc weld gun and the PHM-10 Short Cycle weld gun are the newest additions to the range of Cutlass weld guns. The weld guns are smaller and lighter, but strong, reliable and ergonomically designed. They use the standard adjustable weld chucks and the small, compact footprint allows close stud/stud positioning.

All the advantages of ARC and SHORT CYCLE stud welding are available with the **ARC-700 & 900**: ♦ Up to 35 in place studs per minute...one man...one gun (dependent on application and dexterity of operator). ♦ Faster and cleaner than drilling and tapping. ♦ Leak proof...no holes to drill or punch...or seal. ♦ Vibration proof...will not shake or vibrate loose. ♦ Weld studs to Carbon steel, Stainless steel, Aluminum, and more. ♦ Full cross sectional weld across head of fastener...weld is stronger than base material or fastener. ♦ Compact, portable equipment...runs off 230 or 460 volt. ♦ Fully automatic, high volume production systems available.

STUD WELDING is our BUSINESS.

We manufacture and stock over 8 million weld studs and distribute a complete range of CAPACITOR DISCHARGE, SHORT CYCLE and DRAWN ARC stud welding products.

For additional information call Cutlass toll free on 1-800-536-6333

Cutlass reserve the right to improve designs and/or change technical specifications without prior notice.



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