

# CD6000

STUD WELDER

# CD8000

GAP/CONTACT  
STUD WELDER

# CD9000

CONTACT STUD WELDER

## CAPACITOR DISCHARGE STUD WELDING SYSTEM



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## SPECIFICATIONS

	CD 6000 Contact Stud Welder	CD 8000 Contact/Gap Stud Welder	CD 9000 Contact Stud Welder
Stud Range	M3 to M8	M3 to M8	M3 to M12
Stud Material	Mild Steel Stainless Steel Brass	Mild Steel Stainless Steel Aluminium Brass	Mild Steel Stainless Steel Brass
Weld Mode	Contact	Contact/Gap	Contact
Input Power	240V	240V	240V
Capacitance	72,000mfd	72,000mfd	126,000mfd
Weight	28 Kgs	29 Kgs	32 Kgs
Size (L.W.H.)	356 x 436 x 245mm		
Safety	Primary: Fuses Output Voltage: Circuit breaker		

**NOTE: M8 to M12 studs are restricted to welding onto non-coated surfaces.**

### METHOD OF OPERATION

Capacitor Discharge Stud Welding is designed to weld mild steel, stainless steel, aluminium and brass studs to thin material with little or no reverse side marking. Due to the rapid discharge of energy from the capacitors, the high strength weld is completed in 0.0002 seconds.

### GUN OPTIONS



#### CONTACT GUN

The contact gun is used for welding mild steel, stainless steel and brass. Depending on which of the three options of gun springs used, the stud range can be M3 to M12.



#### GAP GUN

The gap gun is used with CD8000 Contact/ Gap power source for optimum results when welding aluminium.

The gap gun can be used in contact mode for mild and stainless steel. Stud range is M3 to M6.



#### PRECISION GUN

The precision contact gun is specifically designed to hold fine tolerances in a hand held gun operation. Stud range M3 to M12.

### TWO MODES OF OPERATION

#### CONTACT

The stud is in contact with the work at the initiation of the weld. Suitable for welding mild steel, stainless steel and brass.

#### GAP

Stud is held away from the work by 3mm at initiation of the weld. Suitable for welding mild steel, stainless steel, brass and essential for successful aluminium welding.

### FEATURES

#### SPEED OF OPERATION

Welding time is less than 0.0002 seconds. 15 welds per minute possible.

#### COST SAVING

Speed of operation and portability cut costs up to 10 times compared with conventional methods, drilling tapping etc. Material saving by virtue of simpler design.

#### RELIABILITY

Robust construction and solid state components insure long life and dependability in harsh working environment.

#### NO REVERSE SIDE MARKING

No distortion or burning. Therefore no reworking on the reverse side.

#### SIMPLE TO OPERATE

Unskilled operators are all that is needed. No flux, ferrules or inert gas required.

### TYPICAL APPLICATIONS

*There are literally hundreds of applications – wherever you require a fastener end-joined to a metal surface - instantaneously.*

#### DOMESTIC APPLIANCE MANUFACTURERS

Including refrigerators, washing machines, dish washers, stoves, heaters, fittings, etc.

#### MOTOR VEHICLE MANUFACTURERS

Decorative trim, panels, structural, labels, locks, handles, etc.

#### MANUFACTURING JEWELLERS

Attachment of pins and clips.

#### CONSTRUCTION INDUSTRY

Attachment of insulation.

#### SHIPBUILDING

Installing insulation to steel and aluminium bulk heads and panels

#### GENERAL FABRICATION

Panels, sink units, sheet metal work, duct work, etc.

#### ELECTRICAL & ELECTRONIC INDUSTRY

Light fittings, transformers, cases, valves, semi-conductors.

#### AIRCRAFT MANUFACTURERS

Ducting, sealing and studding of non-stress assemblies.

#### CHEMICAL PLANT MANUFACTURERS

Fabrication of pressure vessels, tanks, heat exchanges, duct work.

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