

# CD6000

STUD WELDER

# CD8000

GAP/CONTACT  
STUD WELDER

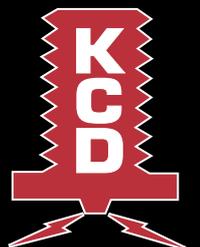
# CD9000

CONTACT STUD WELDER

## CAPACITOR DISCHARGE STUD WELDING SYSTEM



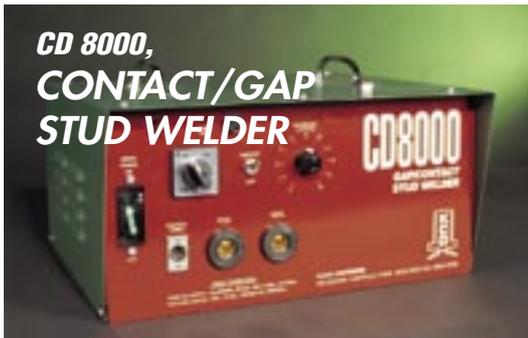
**DIRECT TO YOU  
ROBUST & RELIABLE  
SUPERIOR TECHNOLOGY  
AUSTRALIAN DESIGNED & MADE**



**K.C.D. STUDWELDING**



**CD 6000, CD 9000,  
CONTACT STUD  
WELDER**



**CD 8000,  
CONTACT/GAP  
STUD WELDER**

**SPECIFICATIONS**

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