



## KEY FEATURES

- Short charging cycles to increase productivity.
- Especially suitable for thin metal sheets.
- LED displays allow easy monitoring of functions.
- Joining of different materials is possible.
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- Weld strength consistently exceeds that of the stud or parent metal.
- Easily adjust the capacitor voltage level.
- Well established circuit protection to ensure safety of worker and equipment.
- Stud guns are ergonomically designed for better hand fit and comfort.
- Extremely short weld time (0.001 - 0.003 sec) permitting welding on thin metal sections without any leakages.
- Quality and reliability from Cruxweld Industrial Equipments (P) Limited.

# CDS10M

## Capacitor Discharge (CD) Stud Welder

POWER SOURCE	CDS10M
Welding range	M3 - M10
Welding process	Capacitor discharge
Charging voltage (VDC)	30 - 200
Primary power, V	220V, 50/60 Hz
Welding time, sec	0.001 - 0.003
Charging capacity, $\mu$ F	141,000
Energy stored, J	2500
Input capacity, kW	$\leq 0.8$
Weld rate, studs/min	10 - 25
Charge time, sec	<3
Fusing, A	20
Welding material	Mild steel, stainless steel, aluminium, brass
Degree of protection, class	IP23
Insulation	H
Cooling	Air cooled
Weld mode	Contact
Dimensions (LxWxH), mm	480x220x300
Overall weight (approx.), kg	32





## 8 ADVANTAGES



## HIGHLIGHTED FEATURES

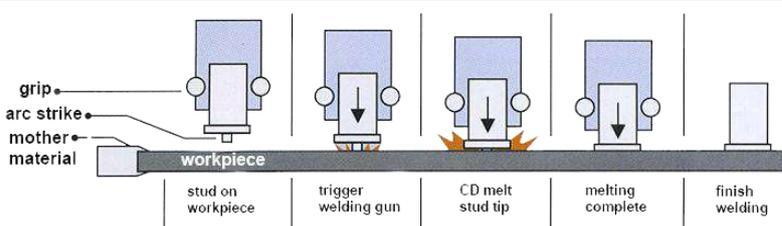
- Compact, lightweight portable machine.
- Easy control panel with all welding parameters are indicated.
- Fast and efficient welding.
- No need for ferrule or gas shield.
- Firm joint welding, no deformation, no convex and non-discolouring.
- Replace drilling, tapping, riveting, manual welding, resistance welding, inclined welding etc.
- Solve scorch, penetration, deformation, difficult clean etc problems of traditional welding.
- All position welding: horizontal, vertical, upward welding.

CDS10M capacitor discharge stud welder series are economical and reliable and can provide fast, accurate, and powerful welding actions. These sturdy but lightweight machines have fast welding speeds and fast charging speeds, improving your workplace efficiency and profitability. By combining power and portability, these CD stud welding controllers are market leaders in many industries, providing truly long-lasting welding while being lighter in weight.

The extremely short weld time of capacitor discharge process allows studs to be welded to material as thin as .015 without burn-through. The unit is capable of welding mild steel, stainless and aluminium studs.

### Supply scope

Machine (1 pc), stud gun SRQ5 with cable (1 pc), earth clamp with earth lead (2 pcs), stud chuck (4 sets), special power cable (1 pc), user manual (1 pc)



### CD WELDING PROCESS

