

dengen

**DuALu**

# CD STUD MASTER

Art of repair for ALUMINIUM AND STEEL CAR BODY.

high strength steel sheets and steel sheets

aluminium panel

**Compatible!!**

MODEL

**SW-CZ200**

No back burn during shrinking and shim welding (PAT.P)

aluminium and high strength steel sheets

With shrinking (roller type) function: No back burn. (PAT.P)

Three-step welding forces dedicated for automobile sheets processing (PAT.)  
Adoption of stud gun. aluminium and high strength steel sheets

(Large-current earth can be welded easily without back burn)  
For steel sheets and high strength steel sheets

The short capacitor charging time,  
Continuous welding is possible.

CD Studs  
Output current is MAX12,000A  
Substantial improvement of welding strength!!

Pull-out can be performed using stud bolts.

Input power:  
Voltage selectable.  
200V, 220V, 230V, 240V



MADE IN JAPAN



DENGEN CO., LTD.

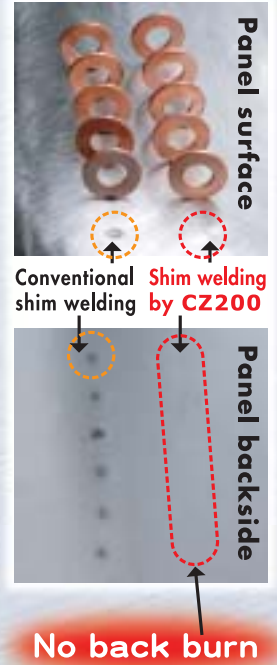
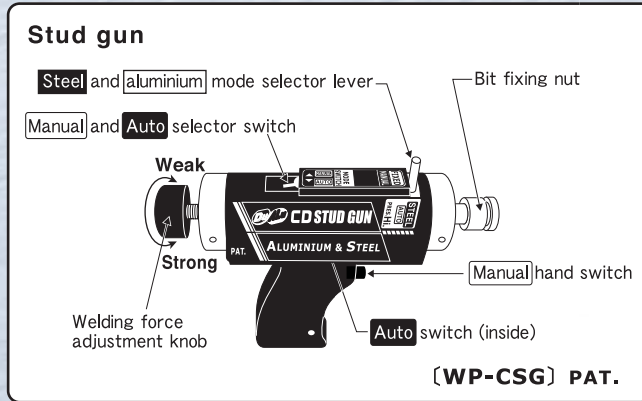
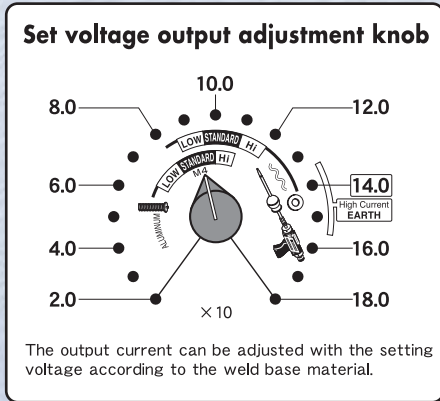
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**CD stud and Shrinking function can be used from high strength steel sheets and steel sheets to aluminium panel.**

**Features**

- The **CD Stud** has a wide working range when used with **round washers**, **wave wire**, and **CD mini pullers** and creates **no back burn** during **shrinking** and **shim welding**.
- The stud gun allows precision setting of the welding force using the lever through the **three-step adjustment** and **fine adjustment**, available for various applications. **(PAT.)**



- The output voltage of the **CD Stud** is from **20V** to **180V**, and the output current is from **1,000A** to **1,200A**. They can be adjusted stepless and offer sufficient power and usability.
- No need to worry about excessive heat on the body (material), and **a strong or weak shrinking distortion correction can be performed easily.** **(PAT.P)**
- **A large-current earth** can be **easily welded.**  
For **steel sheets** and **high strength steel sheets**



**Roller shrinking PAT.P SP-R45** (Standard accessory)



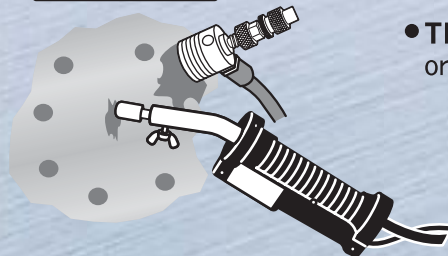
**Point shrinking PAT.P SP-U18** (Standard accessory)

**Large current earth**



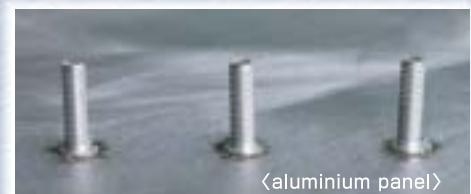
**high strength steel sheets**

**Point shrinking**



- The **CD Stud** can be used with aluminium or steel stud bolts in **M4, 5, 6**, and 3 sizes. **(optional)**

- aluminium stud bolts **SP-401** 100 per pack **M4×15** (Standard accessory)

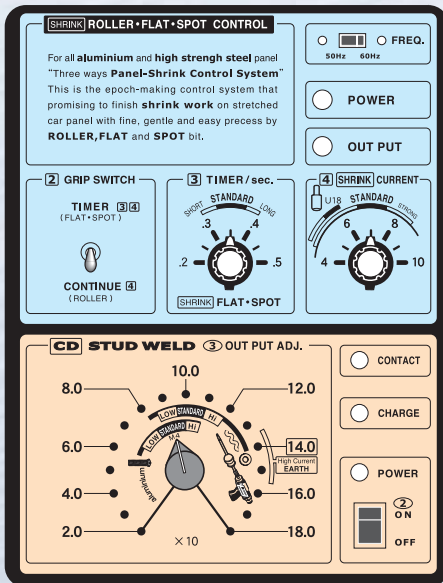


The **distortion correction** of metal sheets can be done beautifully and quickly regardless of the level of skill due to the electronic control, which we were the first in the industry to introduce. **(PAT.P)**

- The **CD Stud** has a continuity detection function for **reliable welding without continuity errors.**
- Microcomputer control **reduced the charging time for the capacitor** and **increased the usage rate.**

# Double as **CD stud** and **Shrinking function**

## Operation panel



Shrinking function



CD stud



Dedicated stud gun for CD stud (WP-CSG)

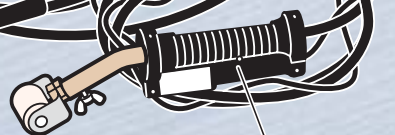


Bit

Earth for large current



Dedicated gun for shrinking



Cooling fan (Temperature sensing type)  
Auto Operation and Stop [Backside]

Handle

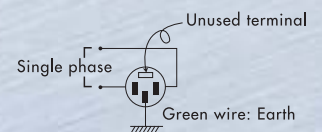
Cord hook

Input breaker  
(Protection device)  
Rating: AC200V and 30A

CD stud side  
(Glass tube)  
5A fuse: Primary side  
10A fuse: Secondary side

Tire

AC cord



## Standard Accessories

■ For both aluminium and steel sheets

- (WP-AHF) Hand hook ..... 1
- (SP-BW) Bolt conversion washer, for (M4) ... 10
- (SP-601) Stud bolt bit, for (M4) ..... 1

■ For aluminium

- (SP-401) aluminium stud bolt (M4) ... 100 per pack

■ For steel sheets

- (SP-381) Iron washer (Small) ..... 1
- (SP-508) Washer bit ..... 1

■ Others

- (SP-EHM4) Large current earth holder, for (M4) ... 1
- (SP-U18) Point shrinking bit ..... 1
- (SP-R45) Roller shrinking ..... 1
- Replacement fuses (10 A) (5 A) ..... 1 each

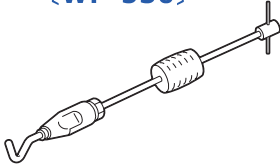
## Specification

Name	DuALu CD Stud Master with Shrinking Function		
Model	SW-CZ200		
AC input	AC200V · 220V · 230V · 240V 50/60Hz Voltage selectable.		
Max. input	10.8kVA		
Rated capacity	4.9kVA (50% duty cycle) JIS C9305		
Output		Voltage	Current
	CD stud	20V~180V	1,000A~12,000A
	Shrink	2.8V~6.5V	Max. 1,700A
Cord length	Power supply: 8m (2 SQ 3-wire)	shrink side: 2.5m (50 SQ)	CD stud side: 2.7m (22 SQ)
Outside dimension (incl. handle etc.)	W435mm×D450mm×H725 (820) mm		
Basic machine mass	Approx. 49kg (incl. stud gun and earth)		

## Optional Parts

### Pull-out tools

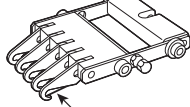
#### ● Slide hammer [WP-530]



For steel sheets and high strength steel sheets

#### ● Neo pullplate [WP-NPT5]

(For line pull-out)

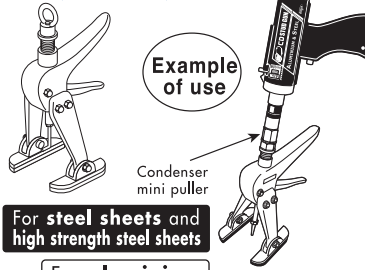


Lined up in a row PAT.

For steel sheets and high strength steel sheets

※WP-NPT11 (11claws)  
WP-NPT17 (17claws)  
are also available.

#### ● Hand puller [WP-HP]



For steel sheets and high strength steel sheets

For aluminium

#### ● CD mini puller [WP-CPM]



For steel sheets and high strength steel sheets

### Stud bolts / Bits / Wire / Washers / Consumables

#### ■ Steel sheet stud bolts For steel sheets and high strength steel sheets (100 per pack) .....

● [SP-402] M4×15 ● [SP-452] M5×15 ● [SP-462] M6×15 ● [SP-432] M3×15

#### ■ Aluminium stud bolts For aluminium (100 per pack) .....

● [SP-401] M4×15 ● [SP-451] M5×15 ● [SP-461] M6×15 ● [SP-431] M3×15

#### ■ Stud bolt bits For aluminium For steel sheets and high strength steel sheets .....

● [SP-601] for M4 ● [SP-651] for M5 ● [SP-661] for M6 ● [SP-631] for M3

#### ■ Bolt conversion washers For aluminium For steel sheets and high strength steel sheets (10 per pack)

● [SP-BW] for M4 ● [SP-BW5] for M5 ● [SP-BW6] for M6 ● [SP-BW3] for M3

#### ■ Iron washers For steel sheets and high strength steel sheets .....

● [SP-381] (Small)  $\phi$ 17.7 (500 per pack) ● [SP-382] (Medium)  $\phi$ 21.8 (100 per pack) ● [SP-384] (Large)  $\phi$ 25.2 (100 per pack)

#### ■ Dedicated bits for wave wire For steel sheets and high strength steel sheets

 ● [SP-WW-BT]

#### ■ Wave wire For steel sheets and high strength steel sheets (For line pull-out)

 ● [SP-WWM] (2.0mm) (50 per pack)

 ● [SP-WWL] (2.3mm) (50 per pack)

※Our products may be improved without notice.

Printed in Feb 19, 2008 Issue No. #080219-2K COMP.CAT.NO. 6420-00-9903

Manufacturer



**DENGEN CO., LTD.**

#### ● HEAD OFFICE :

10-35 5-chome Tsukuda Nishiyodogawa-ku Osaka Japan 555-0001

PHONE : +81-6-6474-1081 FAX : +81-6-6474-1620

● HEAD OFFICE E-mail: honsha@dengen.co.jp

#### ● TOKYO BRANCH :

2-11 2-chome Higasikomagata Sumida-ku Tokyo Japan 130-0005

PHONE : +81-3-5608-3988 FAX : +81-3-5608-2239