



SEAM WELDING MACHINES DESIGN

可依客戶產品設計製造各式輪焊機

Speciality . Quality . Innovation . Service

專業 · 品質 · 創新 · 服務



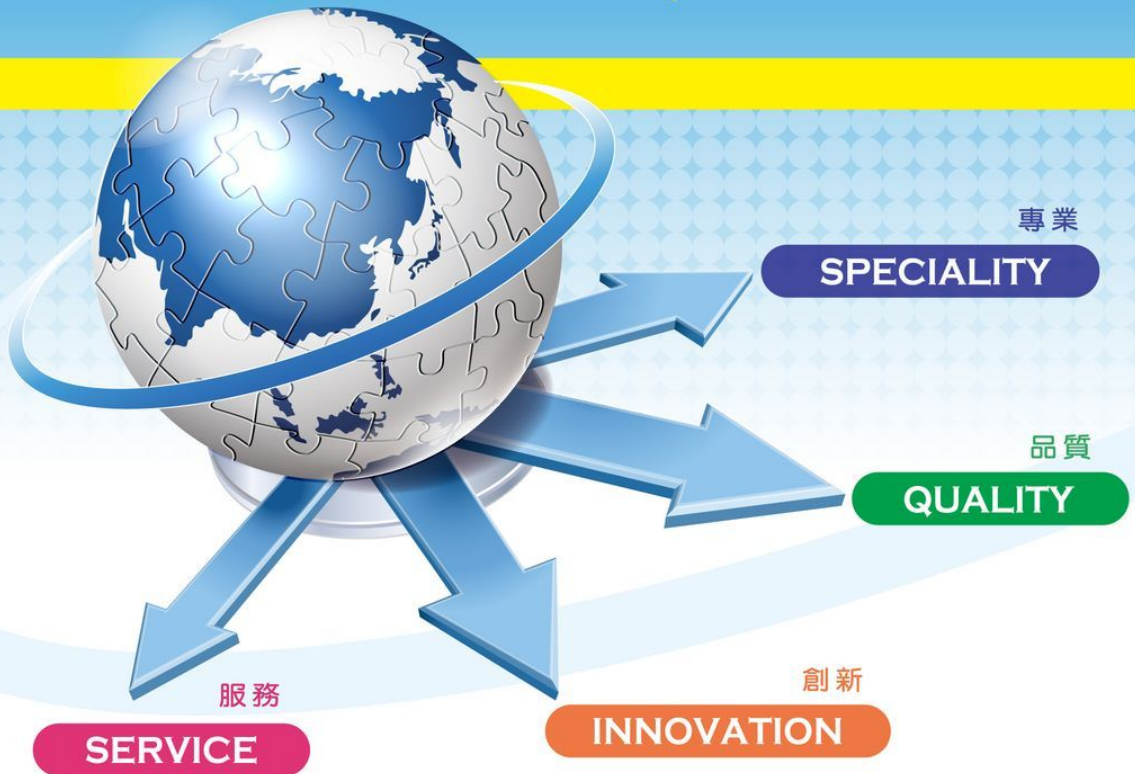
DA JIE ELECTRICITY MACHINERY INDUSTRIAL CO., LTD.

大佶機電股份有限公司

Management Concept

經營理念

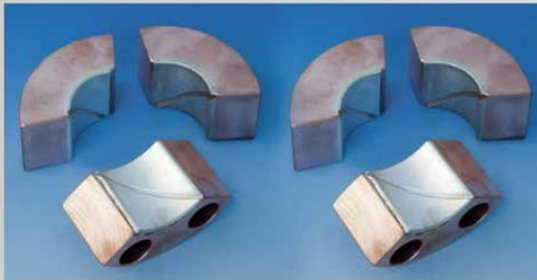
設計製造 Design and manufacture
優良品質 Excellent quality
永續經營 Sustainable development



Use the high qualities parts for:

- Conductive transmission shaft
 - Conductive system
 - Control system
- for our seam welders, which is the same as JAPANESE and GERMAN technologies.

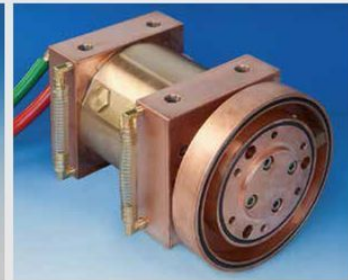
輪焊機導電傳動軸與導電系統及控制系統可選配與日本德國技術同步



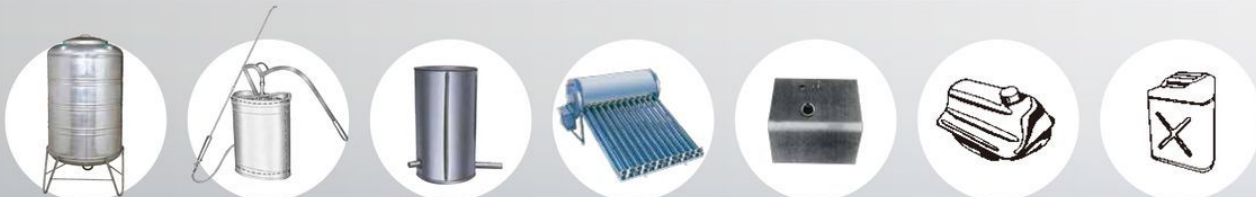
高純度導電體銀瓦片
High purity conductivity of silver brush



軸心使用高耐磨合金銅
Adopt wear alloy copper shaft



高導電體銅座
High conductive copper pedestal



Applied articles:

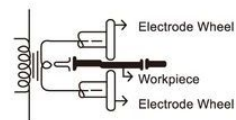
All sizes of fuel tank of automobile and motorcycle, oil drum, oil tank, automobile's muffler, exhaust pipe, bike's steel rim, stainless water tank, solar heat collecting plate, magazine, sprayer, water pail, electric heating canteen, thermos bottle, filter, all sizes of wine jar, motor's outer shell, mesh plate weld-ing, stainless plate welding, kitchen utensils, and sink.

適用範圍：

汽車油箱、機車油箱、各種大小油箱、油桶、汽機車消音器、排氣管、機車鋼圈、不鏽鋼水塔、冷氣送風管、太陽能吸收板、子彈箱、噴霧桶、洗衣機脫水槽、電熱水壺、沈水馬達、過濾網、大小酒壺、電力變壓器、馬達外殼、網狀平面縫焊、不鏽鋼平面縫焊、流理台廚具、依各種產品設計製造。

Features of auto pneumatic/hydraulic seam welding machine

- Welding appearance : Very less hot warp and oxidation save the processing in follow-up steps.
- Stability : Less soldering tolerance conforms to JIS vehicle specifications.
- Economy : The consuming parts such as copper-alloy electrode is very less, and power consumption is very less. The operation cost is low.
- The machine is adjustable to fit either thin or thick workpiece.
Both continuous type and pulse type of electricity discharge are available.
- Free of soldering scars : Save a lot of time on polishing, soil-patching and coating on next processing steps.
- High maneuverability : The machine can be operated soon after it is started. Any ordinary technician can operate the machine.
According to the customer request of the new design and manufacture.



自動空油壓輪焊機特點：

1. 焊接外觀：極少有變形和氧化現象，可免除後續流程加工。
2. 穩定性：溶接強度的誤差少，可以符合JIS規格、車輛規格等要求。
3. 經濟性：電極合金銅輪等消耗零件費用及使用的電費極省，營運成本低廉。
4. 本機台工作物厚薄可任意調整選擇，並可選擇連續式放電及脈波式放電。
5. 可以省掉焊接後的焊痕處理，少花很多時間在拋光作業及裝補泥等後續流程上。
6. 使用工作物機動性大，開機即可啟動使用，一般技術人員即可操作。



AIR HYDRAULIC PRESSURE AUTOMATIC

- Various special seam-welders to be designed according to the different shapes of the workpiece. 可依工作物形狀設計。



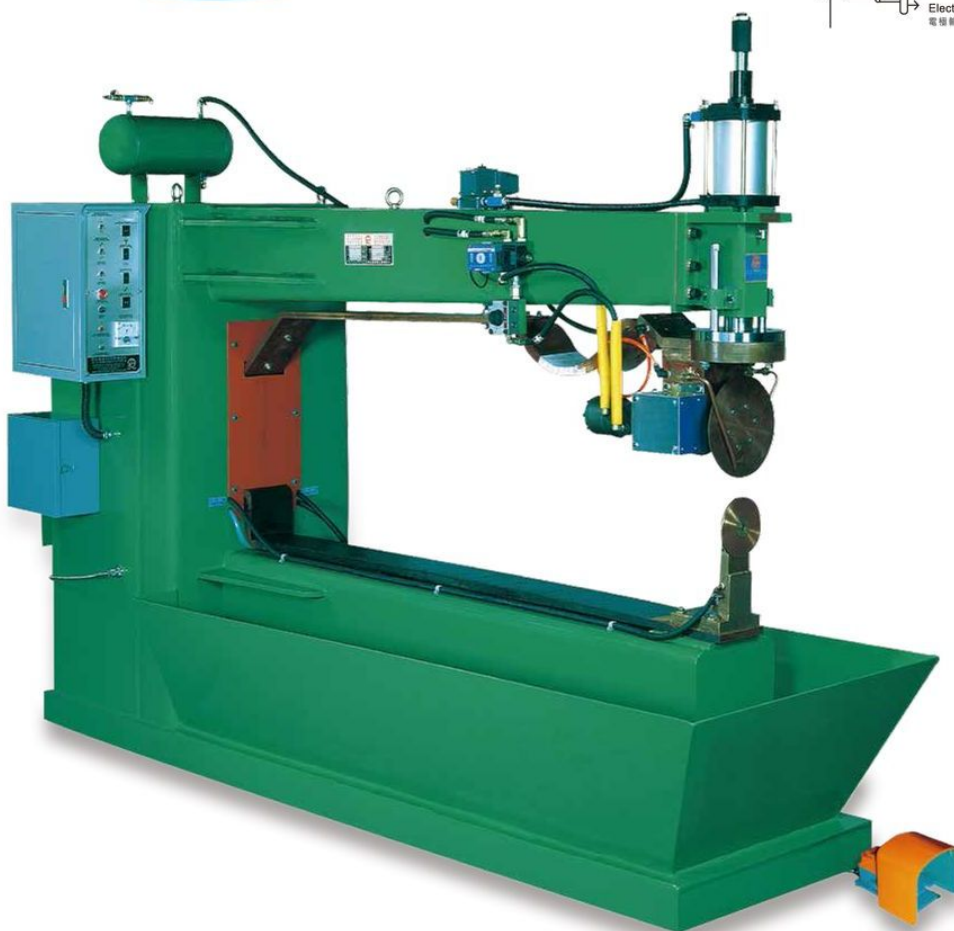
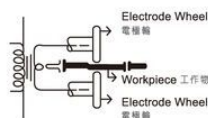
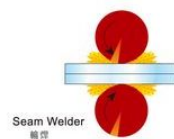
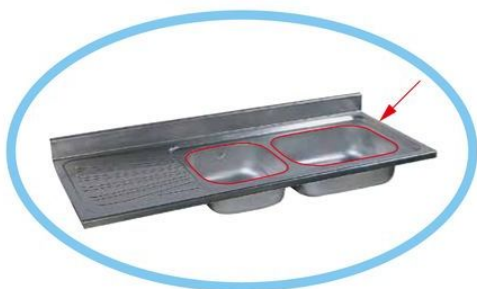
Brake Shoe Projecting Seam Welder (Automobile & Truck)

汽車 / 卡車煞車蹄片輪焊機

SEAM WELDER 自動空油壓輪焊機

CE AVS CCC ISO 9001

- Many Patents on designing and manufacturing 設計製造有：中央標準局多項專利。



Air Hydraulic Pressure Automatic Seam Welder(Sink)

自動空油壓輪焊機（流理台專用）

AIR HYDRAULIC PRESSURE AUTOMATIC

• Various special seam-welders to be designed according to the different shapes of the workpiece. 可依工作物形狀設計。



**Car bumper Junction front /
Rear wheel welding**
汽車前後防撞桿接合處輪焊



Inverter Hydraulic Seam Welder of Cooling Inside (480KVA)

變頻式油壓輪焊機(內冷式)

Save power, Three phase balance , Secondary voltage of stabilized output , accurate product
省電、三相均衡、二次電流穩定輸出，產品精準劃一

SEAM WELDER 自動空油壓輪焊機

CE AWW CCC ISO 9001

- Many Patents on designing and manufacturing 設計製造有：中央標準局多項專利。

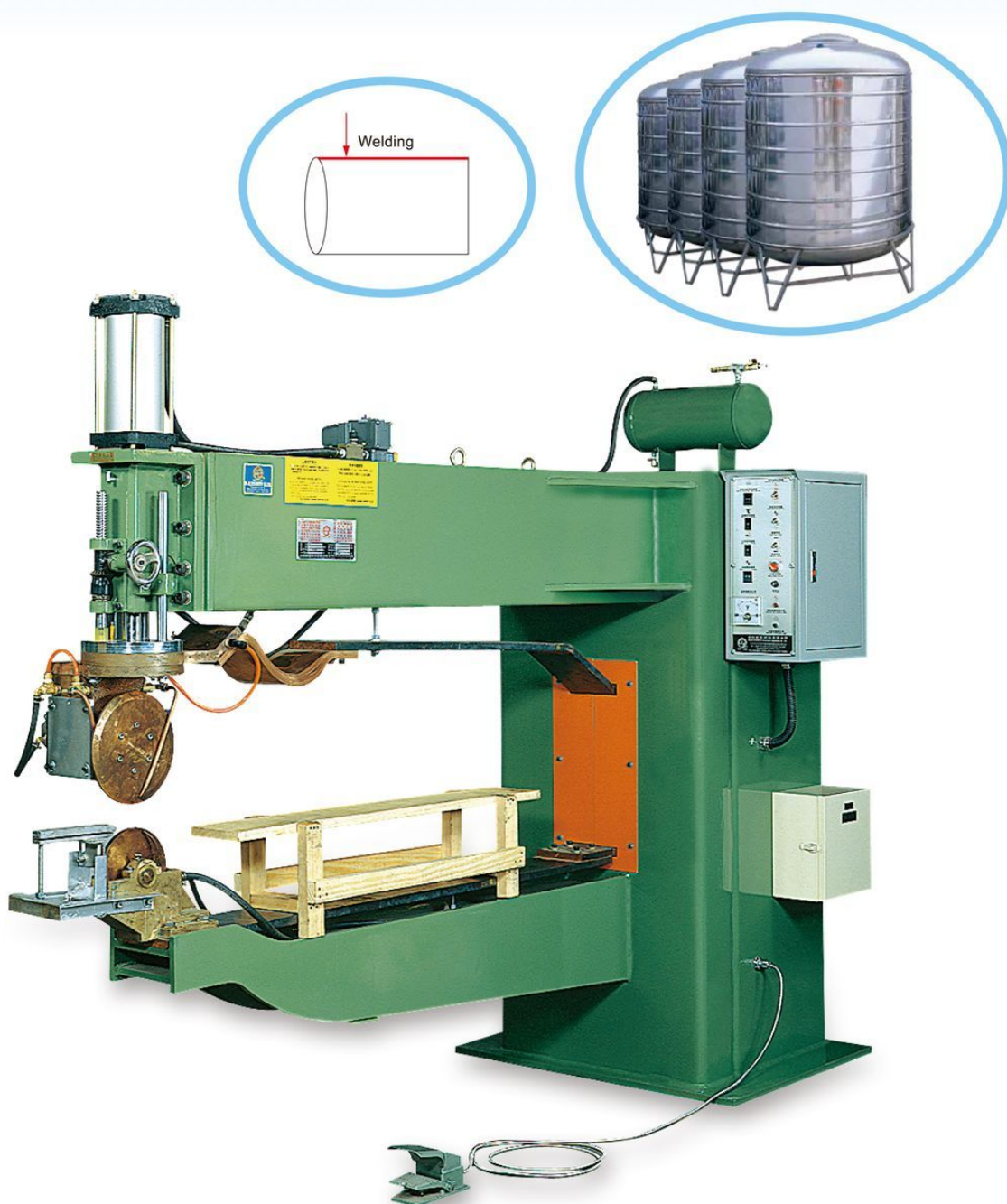


Inverter Seam Welder

變頻式輪焊機

Save power, Three phase balance, Secondary voltage of stabilized output, accurate product
省電、三相均衡、二次電流穩定輸出，產品精準劃一

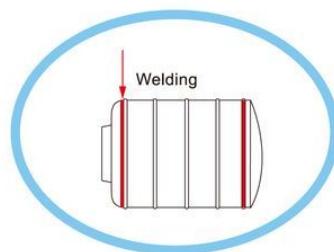
- Various special seam-welders to be designed according to the different shapes of the workpiece. 可依工作物形狀設計。



Vertical Seam Welder for Water Tank Body

自動空油壓長喉直線輪焊機

- Many Patents on designing and manufacturing 設計製造有：中央標準局多項專利。



Horizontal Seam Welder For Top & Bottom Covers of Water Tank

水塔上蓋 / 底蓋輪焊機

- Various special seam-welders to be designed according to the different shapes of the workpiece. 可依工作物形狀設計。



Cartridge Box
子彈箱



Horizontal Seam Welder For Cartridge Box (Standard Type)

軍用子彈箱XY軸雙道輪盤輪焊機(標準型)

SEAM WELDER 自動空油壓輪焊機

CE AWF CCC ISO 9001

- Many Patents on designing and manufacturing 設計製造有：中央標準局多項專利。



Horizontal Seam Welder For Cartridge Box (Lengthened of large box)

軍用子彈箱XY軸雙道輪盤輪焊機（加長大型箱）

AIR HYDRAULIC DUAL DRIVE SEAM WELDER

- Various special seam-welders to be designed according to the different shapes of the workpiece. 可依工作物形狀設計。



Horizontal Type Seam Welder For Stainless Steel Motor

不鏽鋼沈水馬達封口輪焊機

自動空油壓雙傳動式輪焊機

CE  CCC ISO 9001

- Many Patents on designing and manufacturing 設計製造有：中央標準局多項專利。



Shock Absorber Seam Welder for Automobiles & Motorcycles

汽 / 機車避震器輪焊機

AIR HYDRAULIC PRESSURE AUTOMATIC

• Various special seam-welders to be designed according to the different shapes of the workpiece. 可依工作物形狀設計。



Horizontal Type Seam Welder

橫式輪焊機



**Air Hydraulic Pressure
Automatic Seam Welder
(Horizontal Type)**

橫式空油壓輪焊機



SEAM WELDER 自動空油壓輪焊機

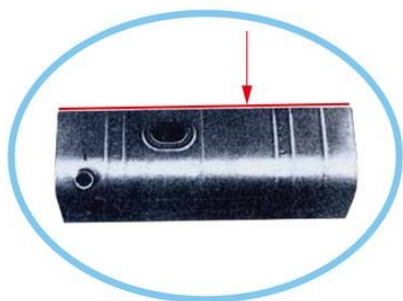
CE  CCC ISO 9001

- Many Patents on designing and manufacturing 設計製造有：中央標準局多項專利。



**Air Hydraulic Pressure
Automatic Seam Welder
(Straight Line Type)**

自動空油壓直線輪焊機



**Air Hydraulic Pressure
Automatic Seam Welder
(Straight Line Type)**

自動空油壓直線輪焊機



AIR HYDRAULIC DUAL DRIVE SEAM WELDER

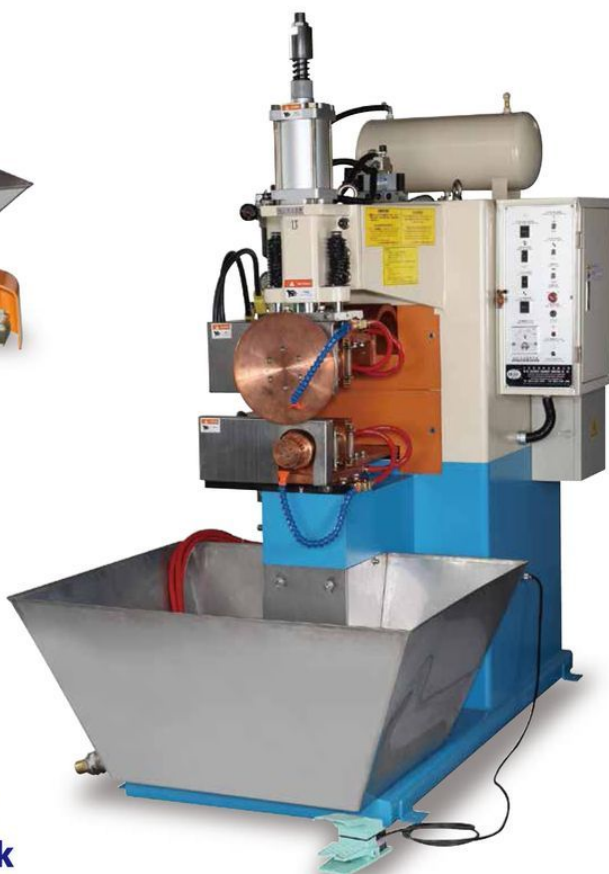
• Various special seam-welders to be designed according to the different shapes of the workpiece. 可依工作物形狀設計。



**Horizontal Seam Welder for
Longitudinal of Motorcycle Fuel Tank**
摩托車油箱直線輪焊機



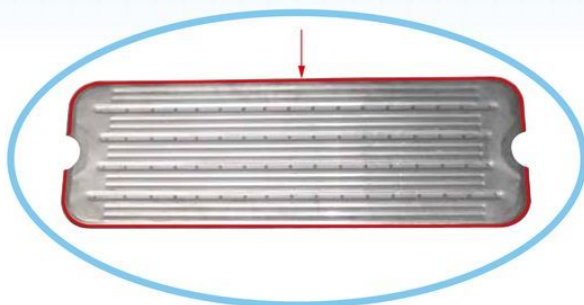
**Horizontal Seam Welder for
Seal of Motorcycle Fuel Tank**
摩托車油箱封邊輪焊機



自動空油壓雙傳動式輪焊機

CE ATEX CCC ISO 9001

- Many Patents on designing and manufacturing 設計製造有：中央標準局多項專利。



Radiating Plate Seam Welder

散熱板輪焊機

AIR HYDRAULIC PRESSURE AUTOMATIC

- Various special seam-welders to be designed according to the different shapes of the workpiece. 可依工作物形狀設計。



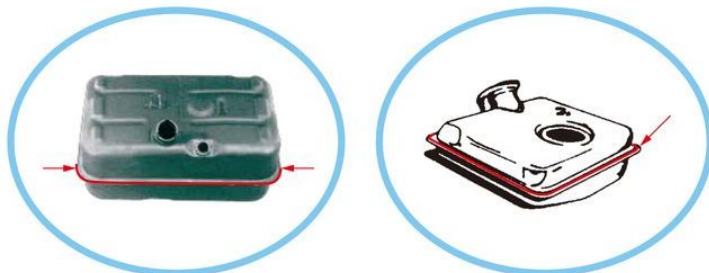
Large Vehicle Oil Tank Vertical Seam Welder for Truck Oil Tank

大型卡車油箱用直線式輪焊機

SEAM WELDER 自動空油壓輪焊機



- Many Patents on designing and manufacturing 設計製造有：中央標準局多項專利。



DJ-C2000~DJ-C3000(200KVA-300KVA)

Horizontal Air-Hydraulic Pressure Seam Welder for Automobiles and Motorcycles Fuel Tanks

橫式空油壓雙傳動式輪焊機/汽機車油箱用



SPECIFICATION FOR ABOVE SEAM WELDER

Specification 規格	Rated Capacity 定格容量	Rated primary voltage 定格電壓	Rated frequency 定格週波數	Weld current 熔接電流	Roll-spot capacity stainless 輪焊能力(白鐵)	Max. welding force 最大加壓力	Cooling water 冷卻水量
Model 型式	KVA	V	Hz	A	mm+mm	kg	ℓ/min
DJ-C800	80	220/440	50/60	18,000	0.8+0.8	600	25
DJ-C1000	100	220/440	50/60	21,000	1+1	800	25
DJ-C1200	120	220/440	50/60	24,000	1.2+1.2	800	30
DJ-C1500	150	220/440	50/60	27,000	1.8+1.8	800	30
DJ-C2000	200	220/440	50/60	31,000	2+2	1200	40
DJ-C2500	250	220/440	50/60	35,000	2.2+2.2	1200	40
DJ-C3000	300	220/440	50/60	38,000	2.4+2.4	1200	50

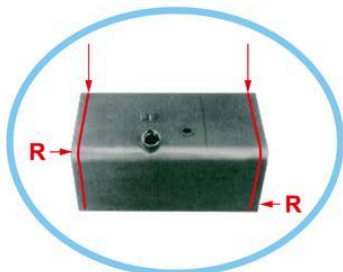
■ Can design & make according to local voltage requirement (200V-600V, 50/60Hz) 可依使用者當地電壓需要設計製造。

■ Can according to customer request to manufacture 3 phase inverter seam welding machine. 本公司可依客戶需求製造三相變頻式輪焊機。

Products are available in local & overseas 銷售網分佈海內外各國家

AIR HYDRAULIC DUAL DRIVE SEAM WELDER 自動空油壓雙傳動式輪焊機

Various special seam-welders to be designed according to the different shapes of the workpiece. 可依工作物形狀設計。



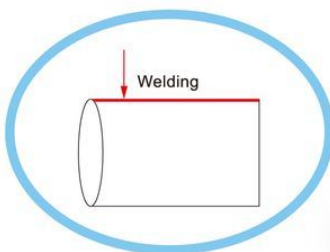
DC Inverter Seam Welding Machine For Fuel Tank

直流式變頻油箱輪焊機



DC Air Hydraulic Pressure Automatic Seam Welder

自動直流空油壓輪焊機



AUTOMATION BURNING WELDING MACHINE 自動化燒焊機

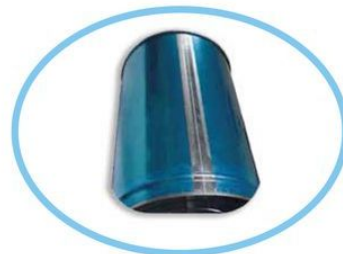
CE  CCC ISO 9001

- Many Patents on designing and manufacturing 設計製造有：中央標準局多項專利。



DJ-R 300~1000
Double Roller Type Bending
Machine (for sheet)

板類雙滾輪滾圓機



DJ-N II 300~1600
Straightening Burning
Weld Auto Table

直線燒焊自動台

AUTOMATION BURNING WELDING

Various special seam-welders to be designed according to the different shapes of the workpiece. 可依工作物形狀設計。

DJ-O I 50~500

**Auto Burning Weld &
Auto Rotating Table**

焊接轉台

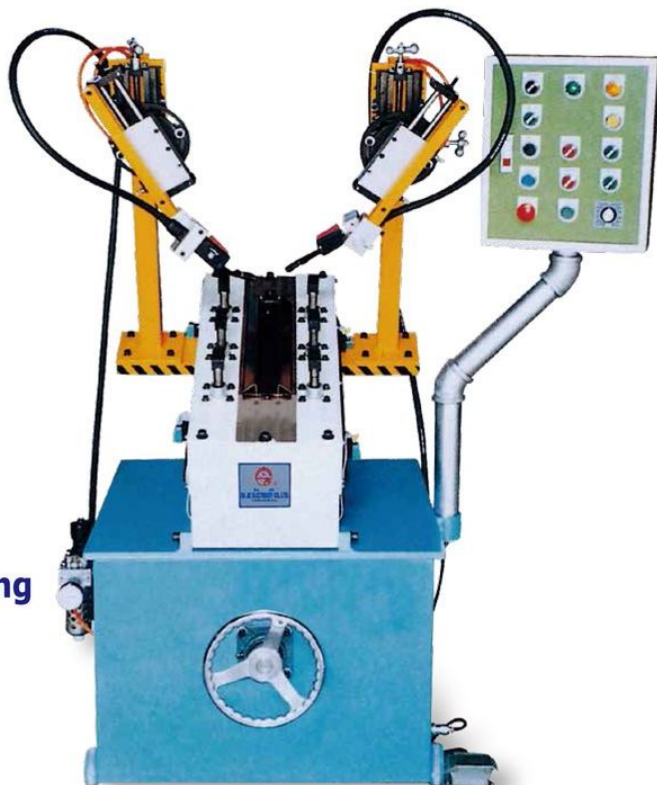
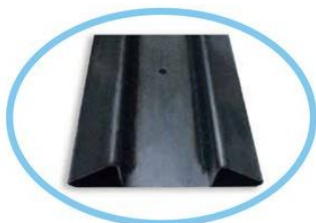


DJ-O II 300

**Vertical Type Burning Weld
Auto Rotating Table**

立式燒焊自動迴轉台

- Many Patents on designing and manufacturing 設計製造有：中央標準局多項專利。



DJ-N I 300~1600

**Double Gun Type Straightening
Burning Weld Auto Table**

雙槍式直線燒焊自動台



DJ-N II 300~1200

Straightening Burning Weld Auto Table

直線燒焊自動台

AUTOMATION BURNING WELDING

• Various special seam-welders to be designed according to the different shapes of the workpiece. 可依工作物形狀設計。

DJ-NⅢ 300~1200

**Double Gun Type
Straightening Burning
Weld Auto Table**

雙槍直線燒焊自動台



DJ-O 600~1700

Horizontal Type Double Gun Automation Welding Machine

臥式雙槍自動焊接台



- Many Patents on designing and manufacturing 設計製造有：中央標準局多項專利。



DJ-O I 50~500

Horizontal Type Single Gun Auto Burning Weld & Auto Rotating Table

單槍臥式自動燒焊回轉台



DJ-HF

Hydraulic Flange Machine

油壓折邊機

- The high construction mechanism design with the high quality construction for the operation stabilizer and excellent machinery.
 - Pneumatic steel design by Japanese seamless steel pipe and main spindle coating machining with the high using life.
 - Import the silicon steel sheet via special processed from Japan for welding transformer, to reduce the inside consumable for update the transformer using life.
 - Adopt purity high silver sheet cooling inside conductive design and high adequate for inner cooling for reduce consumable, arrive to the high conductivity and update the welding quality.
 - The universal design for the traditional copper die, you can change lower copper for the straight or horizontal of function.
One machine including the two function, it is more excellent and Affordable.
 - Upper and lower electrodes copper coil synchronous transmission, With variable speed, and, desired speed can be adjusted properly, It can be used with electrodes trimming mechanism to ensure the welding quality.
 - The current size is controlled by Japan's Mitsubishi SCR and Germany's SEMIKRON non-contact design,
The control part with DJ8-SEAM make by DAJIE company with the secondary constant current control, with the simple and convenient operation, Output current stable welding quality and more reliable.
(Can be used with any brand controller or inverter control system)
-
- 高強度之機構設計，具有高標準機械結構，使用穩定度優良。
 - 空壓缸之設計採用日本無縫鋼管與主心軸鍍硬鉻處理，具有高使用壽命。
 - 熔接變壓器採用日本進口矽鋼片經特殊處理，降低內部損耗，提高變壓器壽命。
 - 內冷式銅座採用高純度銀板導電設計並具有高效內部冷卻，減少耗損，達到更好的導電性提升焊接品質。
 - 傳統式銅座採用直橫兩用設計，變更下銅輪即可達到直線焊接或橫向焊接功能，一台抵兩台用，經濟實惠。
 - 上下電極銅盤同步傳動，採用無段變速，可任意調整所需正確速度，可搭配電極修整機構確保焊接品質。
 - 電流大小控制採用日本三菱SCR及德國SEMIKRON無接點設計，控制部份搭配DJ8-SEAM二次定電流控制器，操作簡單方便，輸出電流穩定焊接品質更可靠。(並可搭配國外任何廠牌控制器或變頻控制系統)





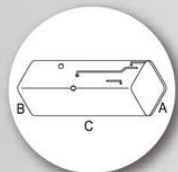
PRODUCT SERIES 系列產品

- Air Pressure Automatic Spot Welding Machine
- Air Hydraulic Flash Butt Welding Machine
- Inverter welding machine
- Condenser Spot Welding Machine
- Air Hydraulic Pressure Automatic Seam Welder
- Electrical Heating Upsetter
- Two stage constant current control system
- Fully-Automatic Coil Winding Machine
- Manufacturing & Designing for Various CO₂ & TIG Welding Machine Automation
- Multi-Point Net Welding Machine
- Manufacture and Design of Full Set of Plant Equipments for Various Relative Products.
- 自動空壓點焊機
- 自動空油壓閃焊機
- 變頻式熔接機
- 電容儲能電阻點焊機
- 自動空油壓輪焊機
- 電氣加熱擠壓鍛縮機
- 二次定電流控制系統
- 數控式自動捲圓機
- 各式自動化CO₂氬焊燒焊機自動化設計製造
- 多點網類焊接機
- 各種相關產品生產設備整廠設計製造

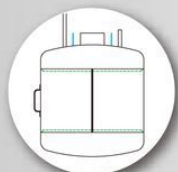


The Whole-plant Equipment for Stainless Steel Water Tank

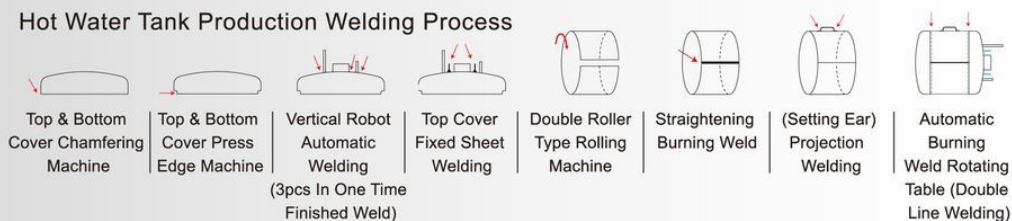
| Trimming Machine For Top & bottom cover | Punch Press For Top & Bottom Cover Water Outlet | Automatic Air Pressure Vertical Seam Welder | Single Ridge Roller Machine For Btm Edge | automatic air horizontal rolling welder for top cover | Automatic Stand Winding Machine | Oil Pressure Hydraulic V-press |



The Whole-plant Equipment for Truck fuel tank



Hot Water Tank Production Welding Process



- Special spot and seam weldings are welcome for any inquiries
- 有關特殊點焊、輪焊歡迎來電聯絡。



CE ISO 9001

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