



**TAIWAN**  
EXCELLENCE  
2016~2021



ISO 9001

SPECIALITY . QUALITY . INNOVATION . SERVICE

專業 · 品質 · 創新 · 服務

# ELECTRICAL HEATING UPSETTER MACHINES SPOT WELDING & SEAM WELDING MACHINES WHOLE PLANT MACHINE EQUIPMENT

電氣加熱擠壓鍛縮機 · 點焊機 · 輪焊機 · 整廠設備生產設計

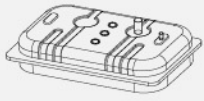


Our company's technology and key parts are from Japan and Germany, also, some models are already OEM from Japan.

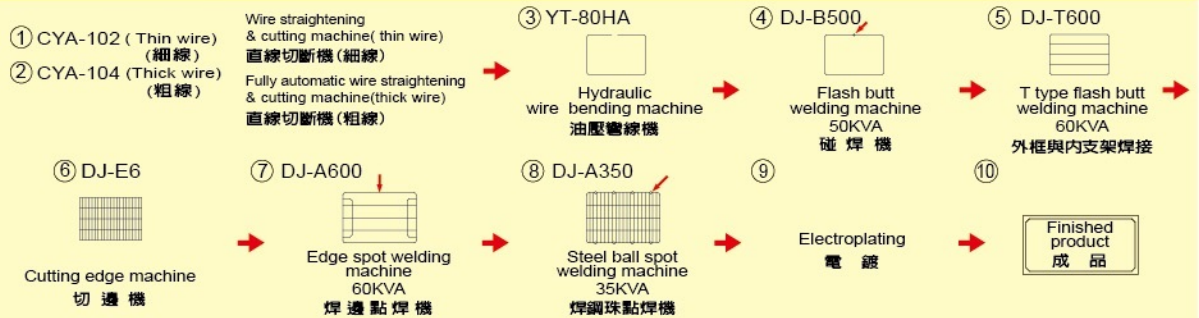
本公司的技術及重要零件來自日本及德國  
部份機型與日本OEM



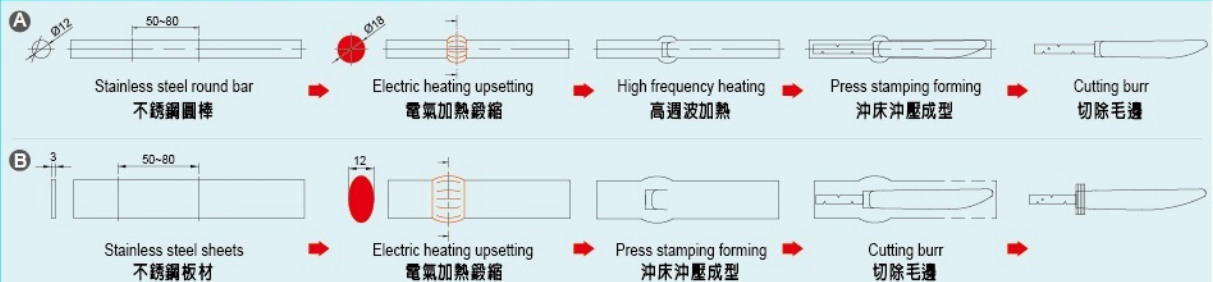
## Mobile fuel tank production process 轎車油箱生產流程



## Refrigerator shelf production process 冰箱置物架生產流程



## Forming process (round bar / Flat) of knife handle 高級刀具柄部(圓棒 / 平板)加工成型過程



### EXPORT MARKET 外銷市場 :

South East Asia( Philippines. Thailand. Indonesia. Malaysia. Vietnam...), Japan, China, The Middle East, Europe, America. South America, England, France, Germany, Egypt, South Africa, India, Australia, Pakistan, Brazil, Colombia, Mexico five continents and etc

東南亞 (菲、泰、印、馬、越...)、日本、中國大陸、中東、土耳其、歐洲、美國、中南美洲、英國、法國、德國、埃及、南非、印度、澳洲、巴基斯坦、巴西、哥倫比亞、墨西哥...

### MAIN CUSTOMER 主要客戶 :

- 1.日本 Japan : NATIONAL、HITACHI、TOSHIBA、SANYO、TOYOTA  
KYOTO TOOL、DAIDO MOLD、OTC、SAITAMA YOZAI
- 2.美洲 America : HOLMES、INDUSTRY MEN、FUNDIMECA
- 3.歐洲 Europe : FISCH TOOLS、MAHLE、DPIA
- 4.亞洲 Asia : MASPION、MAHAJAK AUTOPARTS、HONDA、  
TOYOTA、BANGKOK SPRING、ISUZU、MITSUBISHI、  
NISSAN、FORD、AUTOPARTS、APM、MTM
- 5.非洲 Africa : GIRLOCK BRAKES



### Flow chart for lug wrench 十字形、L型套筒扳手生產流程

Cutting Material 切料	Heating upsetting 電氣加熱鍛縮	Hydraulic clamping 油壓夾模	Forging 沖床	Lathing 車床加工	Polishing 磨光	Cross welding 十字焊接	Electroplating 電鍍	Packaging 包裝
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### Flow chart of engine valves 汽機車、船舶汽門生產流程

Cutting Material 切料	Heating upsetting 電氣加熱鍛縮	Forging 沖床	Lathing 車床加工	Rough Grinding 磨床	Fine Grinding 磨床	.....	Hardening 淬火	Products 成品	Packaging 包裝
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### Production flow of vehicles shock-absorbers 汽機車避震器生產流程

Front-end buckle 前端環扣	Buckle seat 環扣座套	Projection welding between buckle & buckle seat 環扣與環扣座浮凸焊接	Cylinder tube 油缸管	Wheel welding between buckle seats & cylinder tube 環扣座套與油缸管輪焊	Spring ejector 彈簧頂座	Positioning projection-welding at both sides of spring ejector 彈簧頂座雙邊定位浮凸焊接	Buckle rubber-sleeve 環扣橡膠套	Leak-test 試漏	Products 成品
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### Production flow of the balancing pull-bars at bottom of vehicles 汽車底部平衡拉桿生產流程

Size cutting 定尺寸剪切	Preliminary electric-heating extrusion (single head) 電氣加熱擠壓 雛型(單頭)	Press forming 沖床沖壓成型	Edge cutting 切毛邊	Preliminary electric-heating extrusion (double head) 電氣加熱擠壓 雛型(雙頭)	Press forming 沖床沖壓成型	Edge cutting 切毛邊
Two-side reaming 雙邊鉸孔	Dimension check 檢驗尺寸	Bending forming 彎曲外型	Auto electric-resistance-heating at the middle sect. hf heating at both heads 自動工件電阻中段加熱、雙頭高週波加熱機	Quenching 淬火	Surface treatment 表面處理	Products 成品

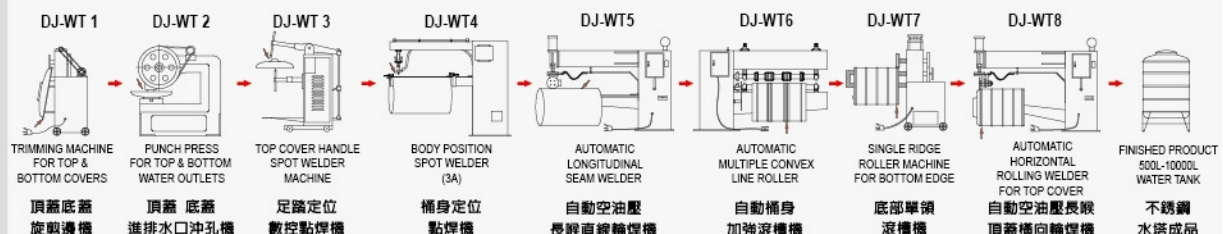


### Production flow of wheel spindles for medium & large scale trucks 中、大型卡車輪軸軸心生產流程

Sizing & cutting 原材料定尺寸剪斷機	Chamfering 倒角機	Electric heating Upsetter 電氣加熱鍛縮機	Long-stroke press 長行程沖床	Lathe Turning 車床車削	Hole-Drilling 鉗孔	Gear roller milling 滾銑齒	Heat treatment 材質調質處理	Rustproof treatment 防鏽處理
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### Stainless steel water tank production process 不銹鋼水塔生產流程



### Automobile connection rod production process

汽車連桿生產流程



Cutting material 切料	Heating upsetting 電氣加熱鍛縮	Forging 沖床	Chamfering 倒毛邊	Lathing 車床加工	Thread Rolling 滾牙	Hardening 淬火	Packaging 包裝
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### Stainless steel sink production process

不銹鋼流理台製造流程



Shearing machine 剪邊機	Punching machine 沖床	Press brake 折邊機	Argon welding 氬焊	Hole punching machine 沖孔機	Spot welding machine 點焊機	Automatic seam welder 全自動輪焊機	Rough disc grinder 粗研磨	Fine disc grinder 細研磨	Polish machine 拋光機	Finished product 完成品
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### Shoulder nut eye bolt production process

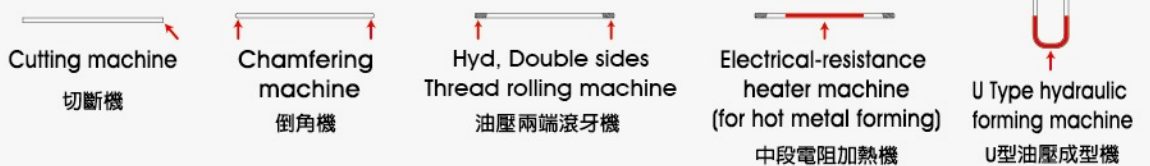
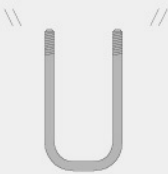
電力吊環螺絲件生產流程



Cutting material 切料	Heating upsetting 電氣加熱鍛縮	Forging 沖床	Chamfering 倒毛邊	Thread Rolling 滾牙	Hot galvanizing 熱鍍鋅	Finished products 成品
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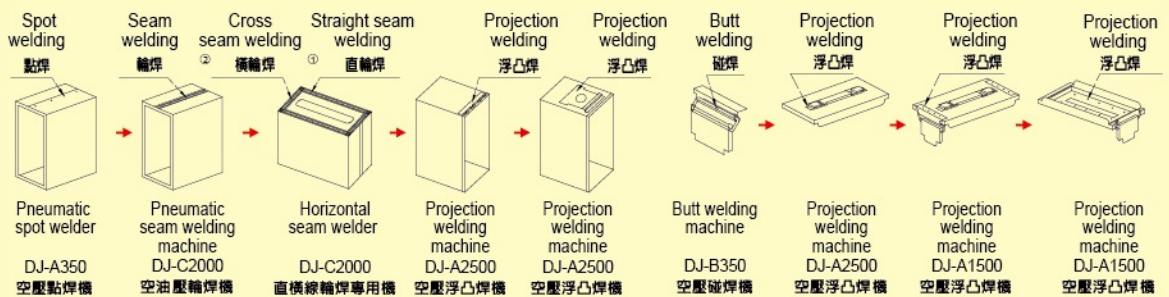
### U Bolts Production process

U型卡車螺絲生產流程



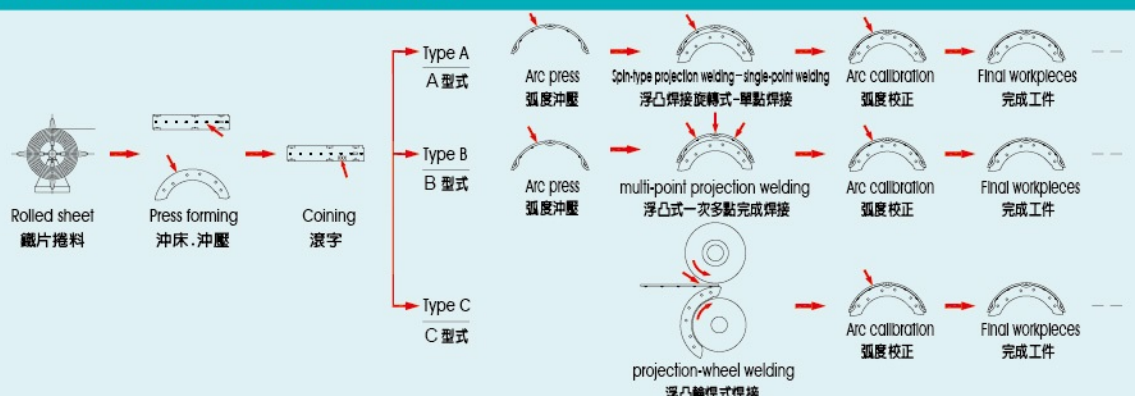
### Military bullet box production process

軍用子彈箱生產流程



### Brake-shoe sheets (cars & trucks) welding flow

煞車蹄鐵片(自用车. 卡車) 焊接生產流程



# TECHNICAL COOPERATION WITH

## ▪ Electrical Heating Upsetter 電氣加熱鍛縮機 ▪



( Vertical Type Double Head ) Electrical Heating Upsetter  
 Rated Capacity : 16~650KVA  
 Round Steel Dia : 6~60 mm  
 雙座電氣加熱擠壓鍛縮機



Electrical Heating Upsetter Machine For Kitchen Knife (Horizontal Type)  
 臥式板材加熱擠壓鍛縮機



Electrical-Resistance Heating Machine ( for Hot Metal Forming )  
 電氣電阻加熱機



Electrical Middle Section Heating Machine For Hot Metal Forming  
 中段電阻加熱機



( Horizontal Type ) Electrical Heating Upsetter  
 Rated Capacity : 91~650KVA  
 Round Steel Dia : 15~60 mm  
 臥式電氣加熱擠壓鍛縮機

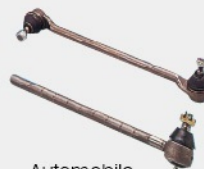
### Working Samples 加工產品例



Automobile Equalizing Bar  
 汽車平衡桿



Engine Valve  
 引擎汽門



Automobile Connection Rod  
 汽車連桿



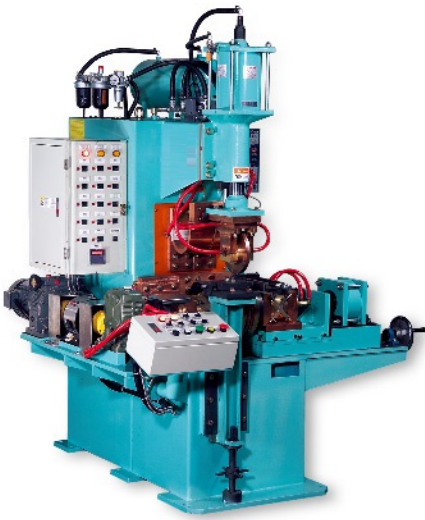
Automobile Parts  
 汽車轉向器



Automobile Parts  
 汽車底盤零件

# JAPAN AND GERMANY 特殊技術沿自德國、日本的技術

## Seam Welding Machines Series 輪焊機系列



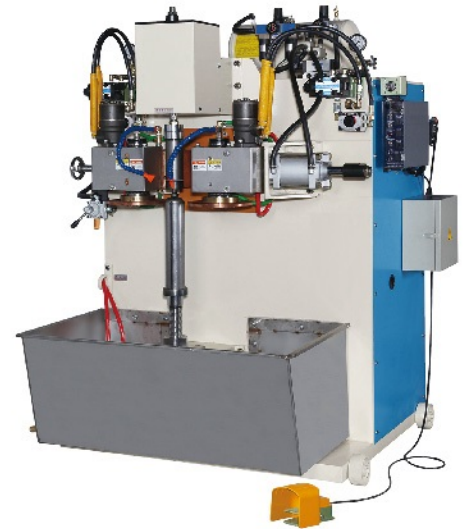
Brake Shoe Projection Seam Welding Machine (Automobile & Truck)

煞車蹄片輪焊機 (自用車、卡車)



Longitudinal Seam Welding Machine (Barrel Type)

自動直式輪焊機



Shock Absorber Seam Welding Machine for Automobile & Motorcycle

汽機車避震器專用輪焊機



XY Axle Two Tracks Seam Welding Machine

XY軸雙道輪焊機



Inverter Seam Welding Machine

變頻式輪焊機



Pneumatic/ Hydraulic Automatic Seam Welding Machine

自動空油壓輪焊機



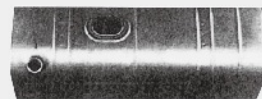
Vehicle U-Bolt  
汽車U型螺絲



Truck Lug-Wrench  
卡車套筒板手



Lug Wrench  
十字套筒板手



Truck Fuel Tank  
卡車油箱



Motorcycle Fuel Tank  
機車油箱



Motorcycle Fuel Tank  
機車油箱



Crank Shaft Ass'y  
機車曲軸



Rear Axle Shafts  
卡車後軸輪柄



Brakes Cam Shafts  
卡車煞車零件



Motor Vehicle Fuel Tank  
汽車油箱



Vehicle Shock Absorbers  
汽機車避震器



Brake Shoe  
(Automobile & Truck)  
煞車蹄片(自用車、卡車)

■ Spot Welding Machines Series 點焊機系列 ■



Automobile Balance Bar  
Projection Welding Machine  
汽車平衡拉桿浮凸焊機



Cap Nut Automatic Feeding  
Welding Machine  
戴帽螺母自動送料焊接機



Automatic Feeding Nut & Bolt Welding Machine  
Nut : 4 φ, 6 φ, 8 φ, 10 φ, 12 φ mm  
Bolts : 5~12 φ mm  
螺母及螺絲自動送料焊接機



Inverter Spot Welding Machine  
Rated Capacity : 60~150KVA  
變頻式點焊機



Pneumatic Spot Welding Machine  
(Driven By Servo Motor)  
空壓伺服式點焊機



Pneumatic Automatic Spot  
Welding Machine  
Rated Capacity : 35~350KVA  
自動空壓點焊機



Condenser Projection Spot Welding Machine  
Rated Capacity : 1~30KVA  
電容儲能電阻點焊·浮凸焊接機



Jeep Fuel Tank  
吉普車油箱



Cartridge Box  
子彈箱



Vehicle Bumper Bar  
汽車保險桿



Semi-Auto Caroil Filter  
Projection Welding  
機油濾蕊



Copper Connection  
Welding  
銅導線焊接



Projection Welding  
浮凸焊



SS STEEL SINK  
流理台



Exhaust Pipe  
排氣管



Bolt for Automotive  
汽車焊接螺絲



Motorcycle Basket  
機車置物籃

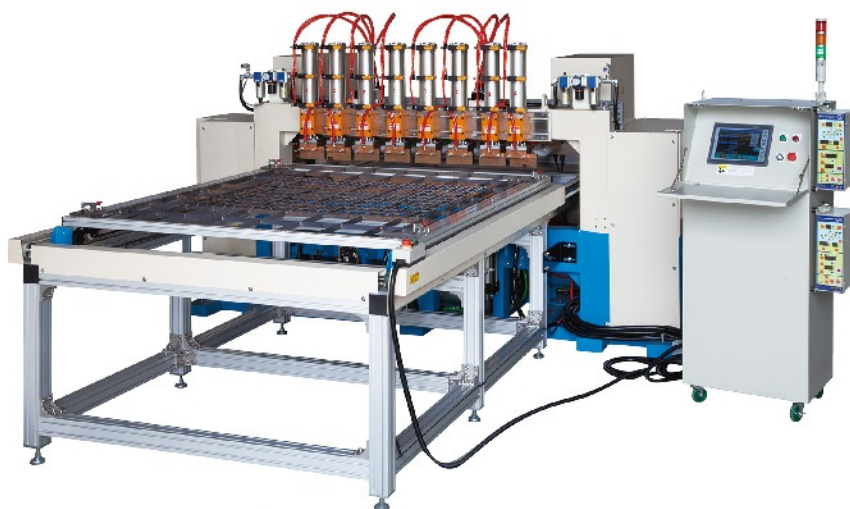


Vehicle Parts  
汽機車配件

■ Customized Welding Machines Series 客製化焊接機 ■



Pneumatic/ Hydraulic Flash Butt Welding Machine  
**Rated Capacity : 50~600 KVA**  
 空油壓式閃焊-碰焊機



Double Columns Multi-Point Welding Machine  
 龍門多點式焊接機



Refrigeration compressor components projection welding machine  
 冷凍壓縮機元件浮凸焊機



Hydraulic Taper Rolling Machine  
**Rated Capacity : 300~1200 mm**  
 DJ-RT油壓錐度捲圓機



Auto Table for Straightening Torch Welding  
**Rated Capacity : 300~1600 mm**  
 DJ-N II 自動燒焊自動台



Automobile Nut & Bolt Welder  
 汽車螺母及螺絲



Automobile Shock Absorber  
 汽車避震器



Automobile Parts  
 汽車電子啟動器



Aluminum-alloy Motorcycle Wheel Rim  
 摩托車鋁合金鋼圈



Automatic Torch Welding Equipment  
 自動燒焊設備



Motorcycle Exhaust Pipe  
 機車排氣管



Automobile Catches  
 汽車門扣



Automobile Connection Rod  
 汽車連接桿



Motorcycle Shock Absorber  
 摩托車避震器



Motorcycle Rim  
 機車輪圈



Motorcycle Rim  
 機車輪框



Automobile Steering Wheel  
 汽車方向盤



Gas Tank  
 瓦斯桶