

# GSW-200

## 全自動鋼筋構造專用點焊機構

The Full Line Equipment For Truss Construction



耐用 | 穩定 | 經濟 | 效益

Durable | Stable | Economic | Profitable



金鐳機電廠股份有限公司  
GOLDEN SPOT INDUSTRY INC.

# 全自動鋼筋構造專用點焊機構

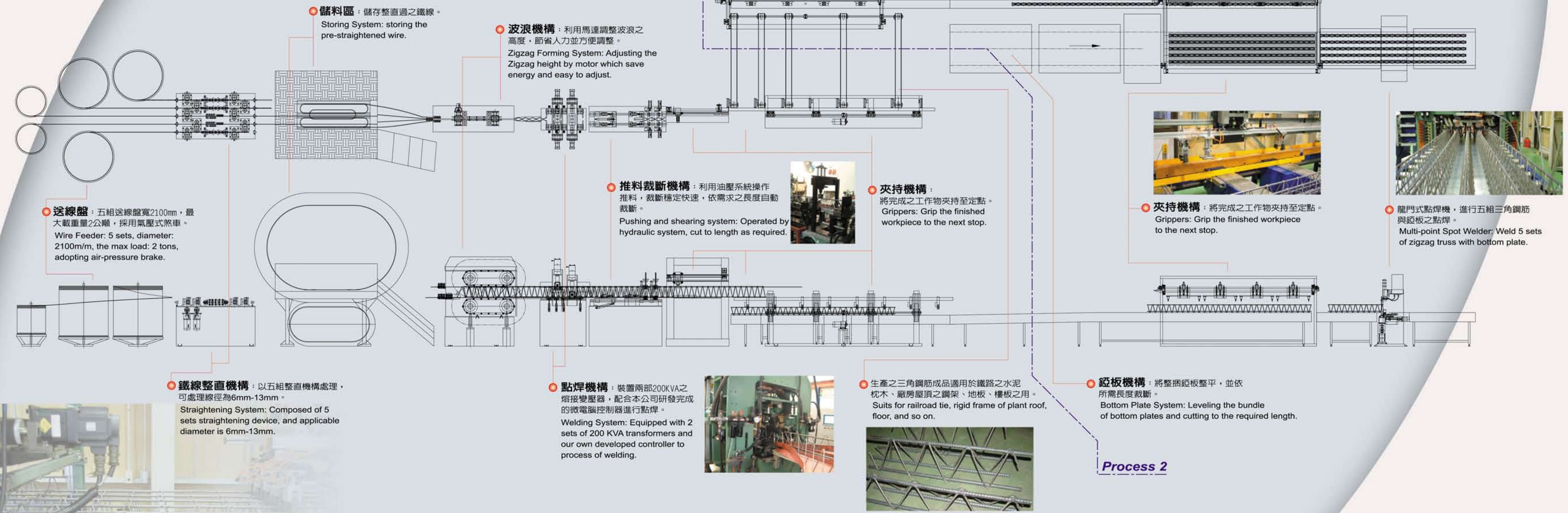
The Full Line Equipment For Truss Construction

## GSW-200

此整廠設備從捆材至成品完成，在工作流程中皆為全自動化設計，必要操作人員只要2位，1位負責前段進料部份，另一位負責操作將成品移開。

The whole equipment is fully automatic from wire feeding to end item. Only 2 operators are needed, one for wire feeding to welding, another one for moving the finished products.

### Process 1



**儲料區**：儲存整直過之鐵線。  
Storing System: storing the pre-straightened wire.

**波浪機構**：利用馬達調整波浪之高度，節省人力並方便調整。  
Zigzag Forming System: Adjusting the Zigzag height by motor which save energy and easy to adjust.

**推料裁斷機構**：利用油壓系統操作推料，裁斷穩定快速，依需求之長度自動裁斷。  
Pushing and shearing system: Operated by hydraulic system, cut to length as required.

**夾持機構**：將完成之工作物夾持至定點。  
Grippers: Grip the finished workpiece to the next stop.

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**龍門式點焊機**，進行五組三角鋼筋與銲板之點焊。  
Multi-point Spot Welder; Weld 5 sets of zigzag truss with bottom plate.

**鐵線整直機構**：以五組整直機構處理，可處理線徑為6mm-13mm。  
Straightening System: Composed of 5 sets straightening device, and applicable diameter is 6mm-13mm.

**點焊機構**：裝置兩部200KVA之熔接變壓器，配合本公司研發完成的微電腦控制器進行點焊。  
Welding System: Equipped with 2 sets of 200 KVA transformers and our own developed controller to process of welding.

生產之三角鋼筋成品適用於鐵路之水泥枕木、廠房屋頂之鋼架、地板、樓板之用。  
Suits for railroad tie, rigid frame of plant roof, floor, and so on.

**銲板機構**：將整捆銲板整平，並依所需長度裁斷。  
Bottom Plate System: Leveling the bundle of bottom plates and cutting to the required length.

### Process 2

完成之銲板鋼筋結構，適用範圍於壁式結構、樓板、地板、連續壁，在進行樓板工程之時，銲板代替了傳統板模，縮短施工的時間。

The bottom plate structure is applying to shell structure, floor, successive wall, which replaces the traditional molds and shortens work time.

主要機構一流程 (Process 1) :

從送線盤 (整捆鋼筋) → 整線、整直機 → 輪波浪機 → 點焊機 → 裁斷機構 → 成品 (三角鋼筋)

Wire Feeders → Wire Straightening → Wire Zigzag Forming → Spot Welding → Shearing

→ Finish (Truss structure)

工作物要求尺寸 **Specs** :

H=85~220mm

W=81~90mm

P=200mm

D1=Ø6~Ø13mm

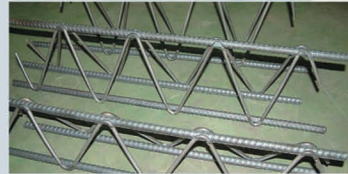
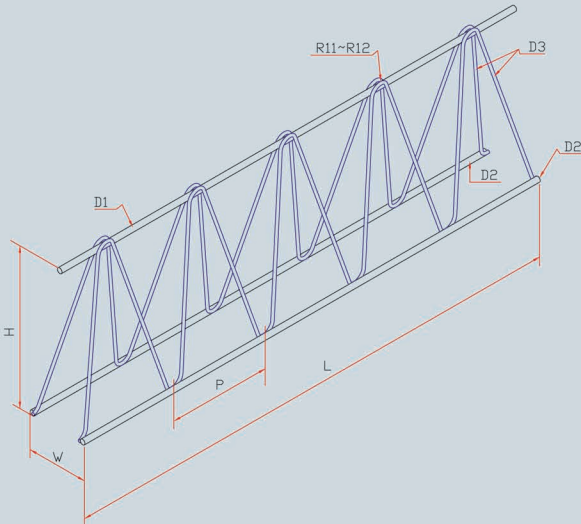
D2=Ø6~Ø13mm

D3=Ø5~Ø8mm

L=900~6000mm

※特殊規格可接受訂製。

Specific requirement is possible accepted.



主要機構二流程 (Process 2) :

工作物夾持 (三角鋼筋) → 工作物儲存區 → 工作物夾持 → 整平裁斷機構 → 龍門式點焊機 → 成品 (鉸板鋼筋結構)

Grippers → Stacker → Grippers → Leveling and Shearing → Multiple Spot Welding Machine → Finish

五組三角鋼筋與鉸板點焊

**Truss with Plate** :

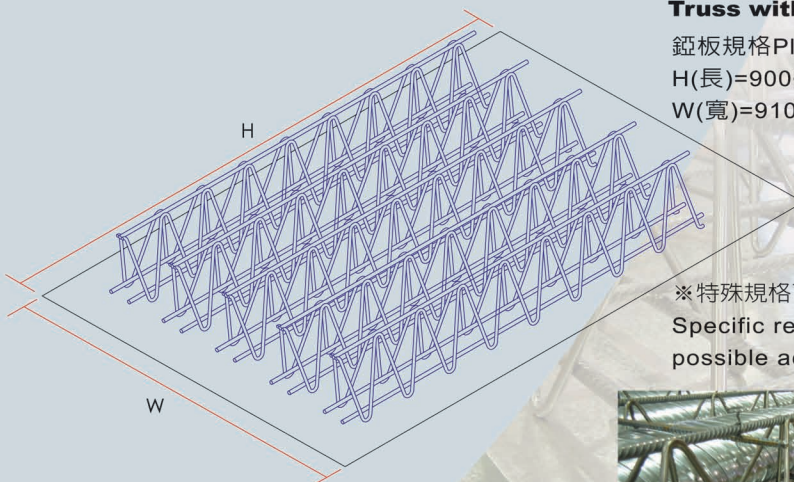
鉸板規格Plate Specs

H(長)=900~4000mm

W(寬)=910mm

※特殊規格可接受訂製。

Specific requirement is possible accepted.





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