



**Suzhou Newlead Augmented Intelligence Equipment Co.Ltd**  
**ZhangJiaGang QIRUIDE Machinery Manufacturing Co., Ltd**  
**NewLead Trade SuZhou Co., Ltd**

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**No. 21 Fusang Road, Leyu Town, Suzhou City, Jiangsu  
Province**

**[www.newleadgroup.com](http://www.newleadgroup.com)**

**关于我们** Company development

25000 square meters



## Company Profile

① **Company Overview:** was established in 2010. The company is currently located at 21 Fusang Road, Leyu Town, Zhangjiagang City, with a factory building of 25000 square meters. Since its establishment, the company has always adhered to the business principle of people-oriented and integrity-based, gathering industry elites. Currently, the company has more than 80 personnel in various fields such as technology, development, production and management, sales, etc. The company strives to improve its management level and production capacity by combining advanced technology information, management methods, and enterprise experience at home and abroad, so as to maintain competitiveness in the fierce market competition and achieve rapid and stable development of the enterprise.

**Professional Capability:** Our company is a high-tech enterprise that integrates design, research and development, production, and sales; Our technology and research and development capabilities are unique and far ahead in the industry. The company currently holds one invention patent, over 30 utility model patents, and 12 computer software copyright registration certificates.

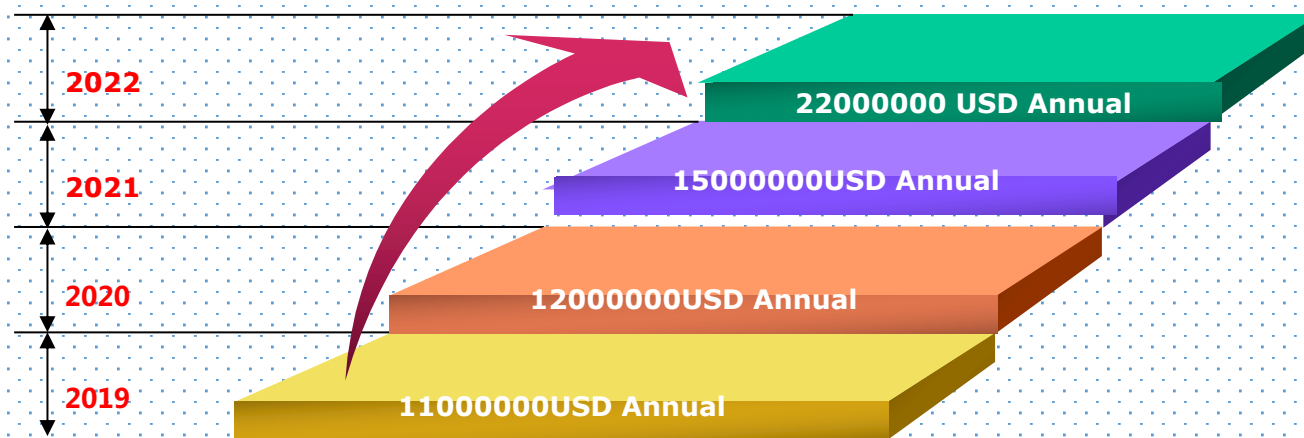
③ **Service field:** Our main products include high-efficiency solar photovoltaic ribbon welding equipment, new energy electromagnetic wire processing equipment, etc. Product integration with the new energy vehicle equipment industry, solar photovoltaic industry, metal products industry, musical instrument manufacturing industry, and connector industry.

**Sales regions:** Mainland China, Taiwan Province, India, Indonesia, Finland, and the United States.

⑤ **Service tenet:** Our company is committed to accurately positioning market demand through innovative thinking, and providing users with the most advanced equipment and the highest quality service wholeheartedly.

# 关于我们

Company development



Electromagnetic wire rolling mill equipment series

Item	Parameters
Equipment components	Payoff+drawing+flat rolling +edge rolling+ flat rolling +edge rolling +flat rolling+flat drawing+annealing+take up
Speed	350m/min
Maximum product cross-section	50mm <sup>2</sup>
Max take up weight	2000kg
Roller(flat)	φ 250*70mm
Roller(edge)	φ 160*50mm
Roller control	Electric+Hydraulic
Roller material	Hard alloy ultra-fine tungsten steel
Roller drive	Dual servo drive
Precision drawing	φ 750mm
Tension control	Pneumatic constant tension control
Annealing	Induction
Take up	Gantry type(layer winding)
Note	Centralized lubrication series, cooling system

Five roll rolling mills



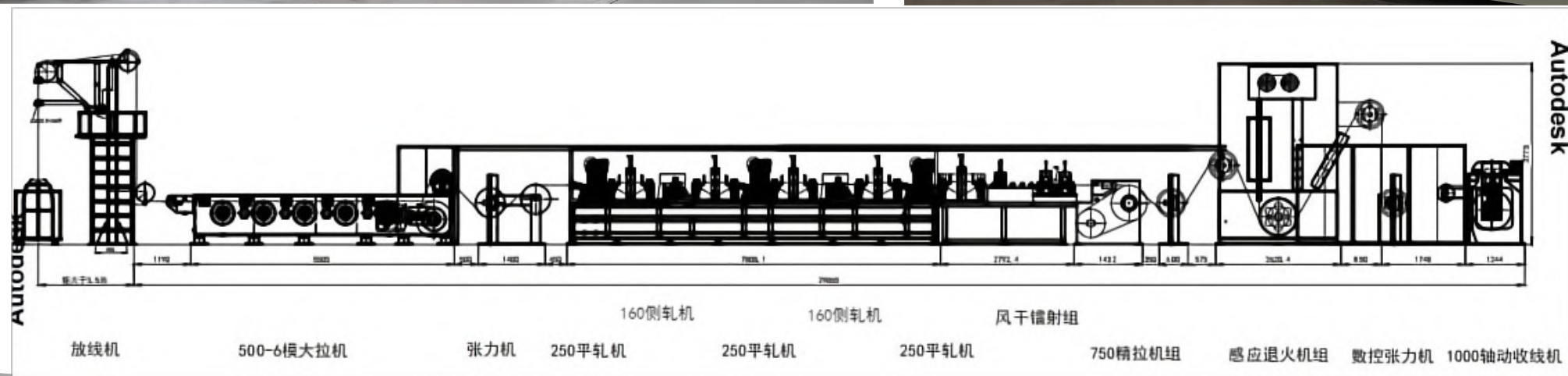
Production of high-precision copper flat wire with rounded corners

- ★ Applicable material: Copper rod (oxygen free or low oxygen)
- ★ Maximum incoming wire diameter of 8mm, product cross-sectional area ≤ 50mm<sup>2</sup>
- ★ Rapid roller replacement
- ★ High precision hard alloy roller, roller runout<1 μ m
- ★ Dual servo drive rolling, maximum linear speed 350m/min
- ★ Electric roller gap adjustment



## 电磁线轧机设备系列

### 五联轧压延机



## Electric vehicle motor flat wire drawing and rolling line

Online using with flat wire enameling machine



Item	parameters	parameters
Equipment components	drawing-rolling-drawing-drawing	drawing-rolling-rolling-drawing-drawing
Speed	50m/min	50m/min
Inlet	Φ 2~4mm	Φ 2~8mm
Outlet	W 1~10mm* T 0.35~3.5mm	W 1~10mm* T 0.35~3.5mm
Roller size	Φ 180*40mm	Φ 220*40mm/ Φ 180*40mm
Drawing capstan	Φ 500/ Φ 600/ Φ 750mm	Φ 500/ Φ 600/ Φ 750mm
Layout	6.0m*2m*1.6m	8.0m*2m*1.6m
Roller seam adjustment method	electric	electric
Roller material	Hard alloy ultra-fine tungsten steel	Hard alloy ultra-fine tungsten steel
Roller drive	Dual servo drive	Dual servo drive
Note	Centralized lubrication series, cooling system	Centralized lubrication series, cooling system

### Usage and characteristics:

Used for the front part of the enamel production line, linked with the enamel production line, round drawing+flat rolling+flat drawing+flat drawing, used for producing small-sized enamel flat wire

★ Applicable materials: Copper rod (oxygen free or low oxygen) ★ Incoming wire diameter of 2~8mm, product cross-sectional area  $\leq 30\text{mm}^2$

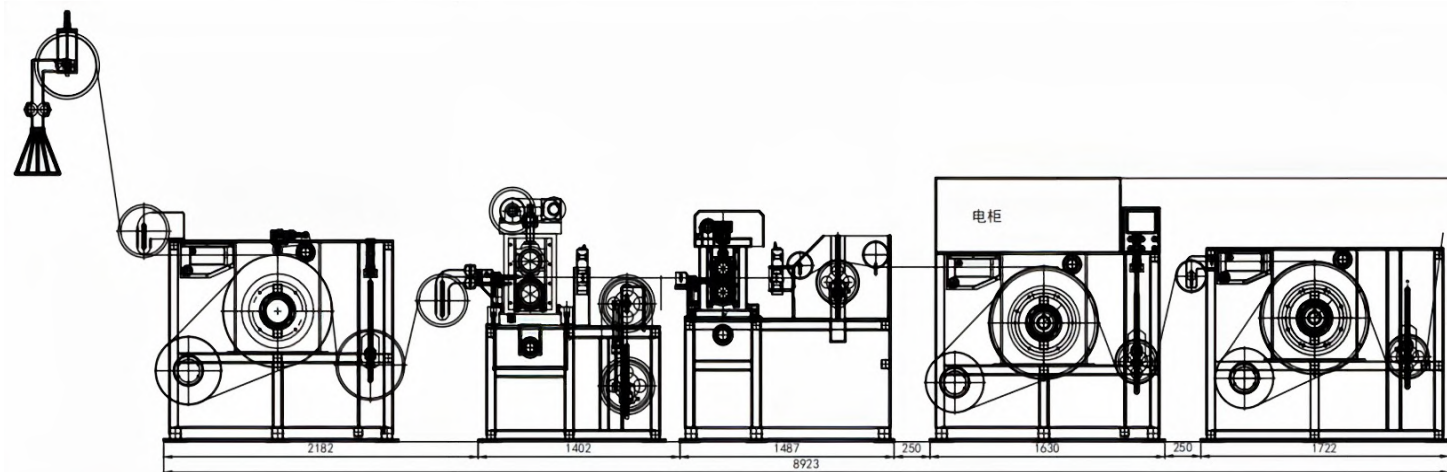
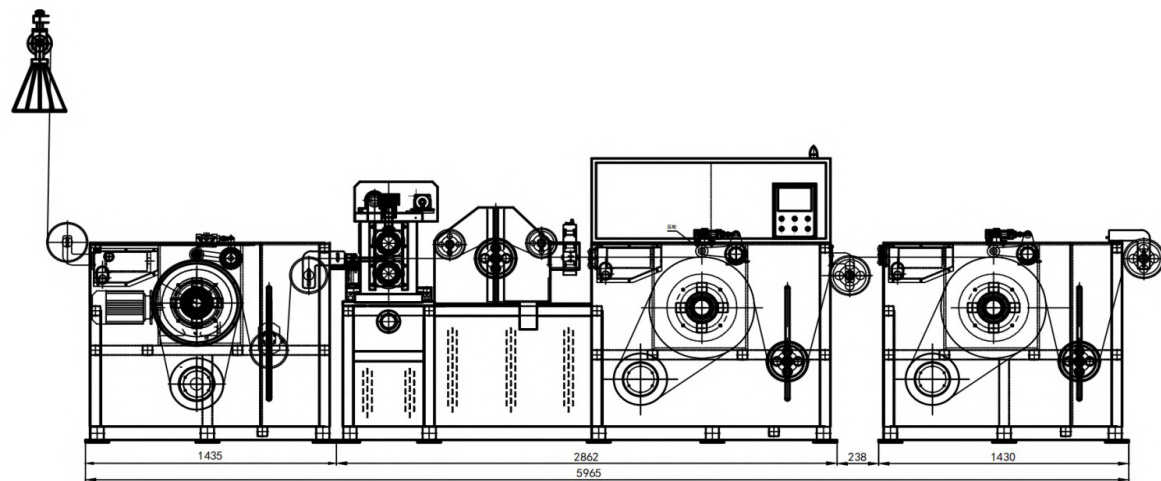
★ Quick roll change ★ High precision hard alloy roller, roller runout $<1\mu\text{m}$

★ Dual servo drive rolling, maximum linear speed 50m/min ★ Electric roll gap adjustment



## 新能源线材设备系列

### 漆包线拉丝压延机





# 产品介绍

Product presentation

## Electric vehicle motor flat wire drawing and rolling line

Usage and characteristics:

Used for the front of the enamel production line, linked with the enamel production line, using the "rolling+drawing" process (flat rolling+flat drawing+flat drawing), for producing small-sized enamel flat wire.

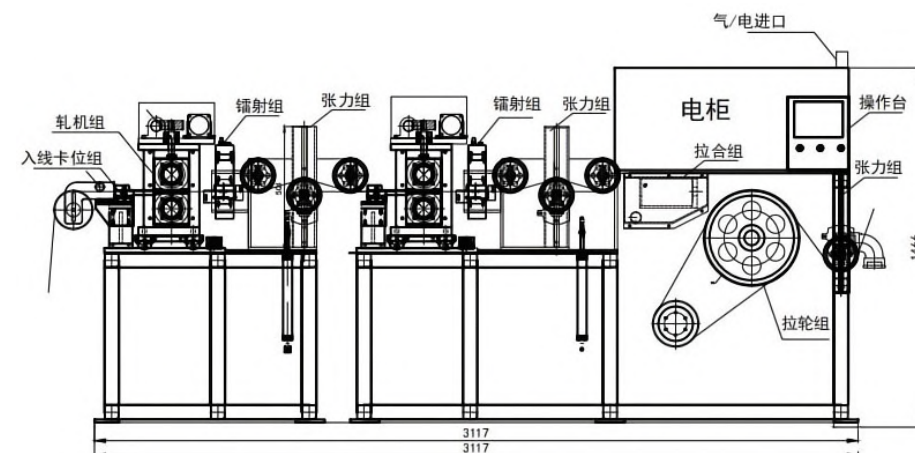
★ Applicable materials: Copper rod (oxygen free or low oxygen) ★ Incoming wire diameter of 0.4~2mm, product cross-sectional area  $\leq 10\text{mm}^2$

★ Quick roll change ★ High precision hard alloy roller, roller runout  $< 1\mu\text{m}$

★ Dual servo drive rolling, maximum linear speed 180m/min ★ Electric roll gap adjustment

Item	parameters	parameter
Equipment components	Flat rolling-drawing	Flat rolling-rolling-drawing
Speed	180m/min	180m/min
Inlet	$\phi 0.4 \sim 1.5\text{mm}$	$\phi 0.4 \sim 1.5\text{mm}$
Flat wire size	W 2-3.5mm, T 0.2-0.85 mm	W 2-3.5mm, T 0.2-0.85 mm
Roller size	$\phi 140 \times 40\text{mm}$	$\phi 140 \times 40\text{mm}$
Drawing capstan	$\phi 250\text{mm}$	$\phi 250\text{mm}$
Layout	2.5m*1.5m*1.5m	3.5m*1.5m*1.5m
Roller seam adjustment method	electric	electric
Roller material	Hard alloy ultra-fine tungsten steel	Hard alloy ultra-fine tungsten steel
Roller drive	Dual servo drive	Dual servo drive
Note	Centralized lubrication series, cooling system	Centralized lubrication series, cooling system

Online using with flat wire enameling machine



# 产品介绍

Product presentation

## Electric vehicle motor flat wire drawing and rolling line

Item	parameters	parameter
Equipment components	rolling-drawing-drawing	rolling-drawing-drawing
Speed	150m/min	180m/min
Inlet	$\phi 0.05 \sim 0.5\text{mm}$	$\phi 0.05 \sim 0.5\text{mm}$
Flat wire size	W 0.1-1.0mm, T 0.015-0.1 mm	W 0.1-1.0mm, T 0.015-0.1 mm
Roller size	$\phi 90 \times 30\text{mm}$	$\phi 75 \times 30\text{mm}$
Drawing capstan	$\phi 120\text{mm}$	$\phi 120\text{mm}$
Layout	2.5m*1.2m*1.5m	2.5m*1.2m*1.5m
Roller seam adjustment method	electric	electric
Roller material	Hard alloy ultra-fine tungsten steel	Hard alloy ultra-fine tungsten steel
Roller drive	Dual servo drive	Dual servo drive
Note	Centralized lubrication series, cooling system	Centralized lubrication series, cooling system

### Usage and characteristics:

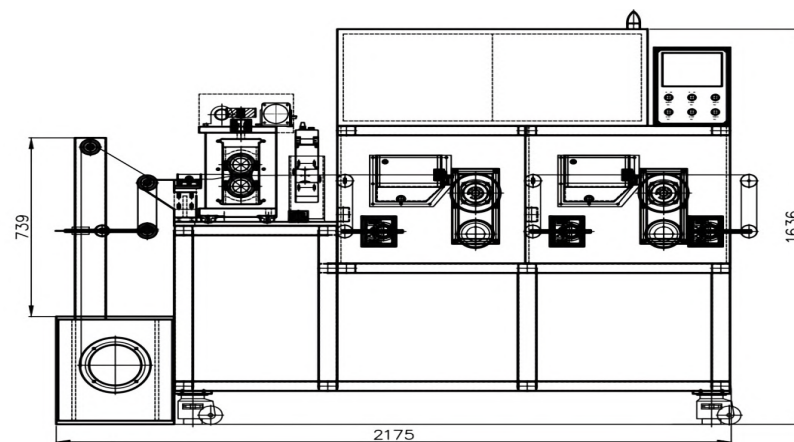
Used for the front of the enamel production line, linked with the enamel production line, flat rolling+flat pulling+flat pulling, used for producing small-sized enamel flat wire

★ Applicable materials: Copper wire (oxygen free or low oxygen) ★ Incoming wire diameter of  $0.05 \sim 0.5\text{mm}$ , product cross-sectional area  $\leq 3\text{mm}^2$

★ Quick roll change ★ High precision hard alloy roller, roller runout  $< 1\mu\text{m}$

★ Dual servo drive rolling, maximum linear speed 150m/min ★ Electric roll gap adjustment

Online using with flat wire enameling machine



## Drawing and Rolling mills for Brass, stainless steel, carbon steel



Usage and characteristics:

Suitable for producing high-precision alloy flat wire with rounded corners through the "drawing and rolling" process

★ Applicable materials: brass, stainless steel, carbon steel, etc. ★ Incoming wire diameter of 2~8mm, product cross-sectional area  $\leq 30\text{mm}^2$

★ Quick roll change ★ High precision hard alloy roller, roller runout  $< 1\ \mu\text{m}$

★ Dual servo drive rolling, maximum linear speed 180m/min ★ Electric roll gap adjustment

Item	parameters	parameter
Roller seam adjustment method	electric	electric
Roller material	Hard alloy ultra-fine tungsten steel	Hard alloy ultra-fine tungsten steel
Roller drive	Dual servo drive	Dual servo drive
Note	Centralized lubrication series, cooling system	Centralized lubrication series, cooling system
Roller seam adjustment method	electric	electric



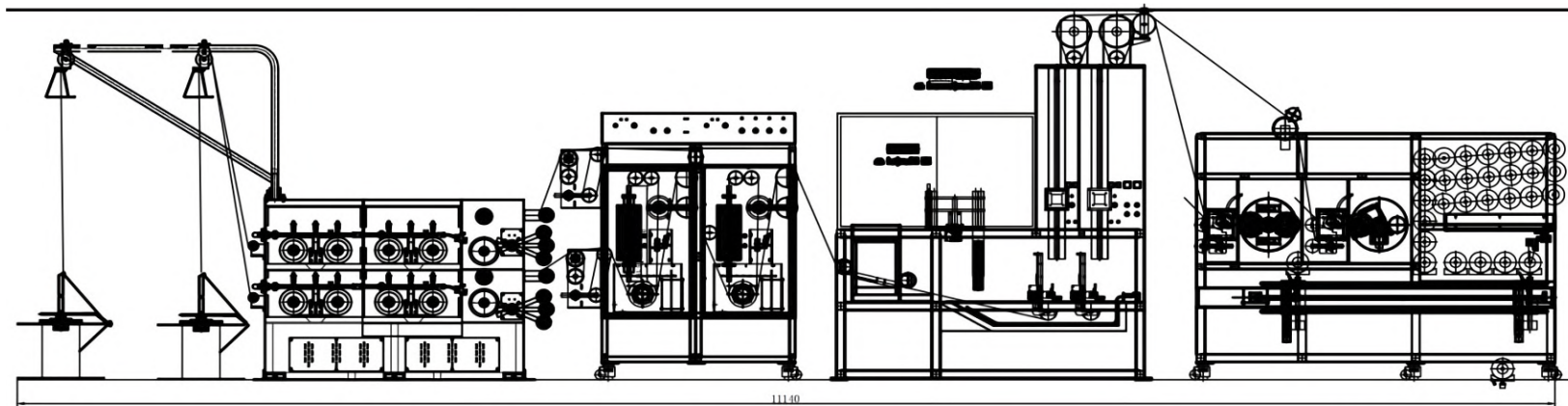
## Double Lines MBB Round PV Ribbon Drawing Annealing Tinning Machine With Automatic Spools Changer

1. Automatic spools changer
2. Automatic tin bars feeding device
3. Automatic tin liquid level cleaning tools

Item	Parameters
Equipment components	drawing+annealing+tinning+take up
Speed	350m/min
Inlet	Φ 0.8~1.2mm
Outlet	Φ 0.12~0.30mm
Drawing dies	24 dies/4.5kw
Annealing	Induction way
Tinning	Air blower mould, air meter adjust
Take up	Automatic reels changer
Layout	11m*2m*3.5m
Installation power	≤36KW



## PV Ribbon MBB round wire production line



0.5吨原料

双头拉丝机

双头退火机

双头镀锡

全自动收线机

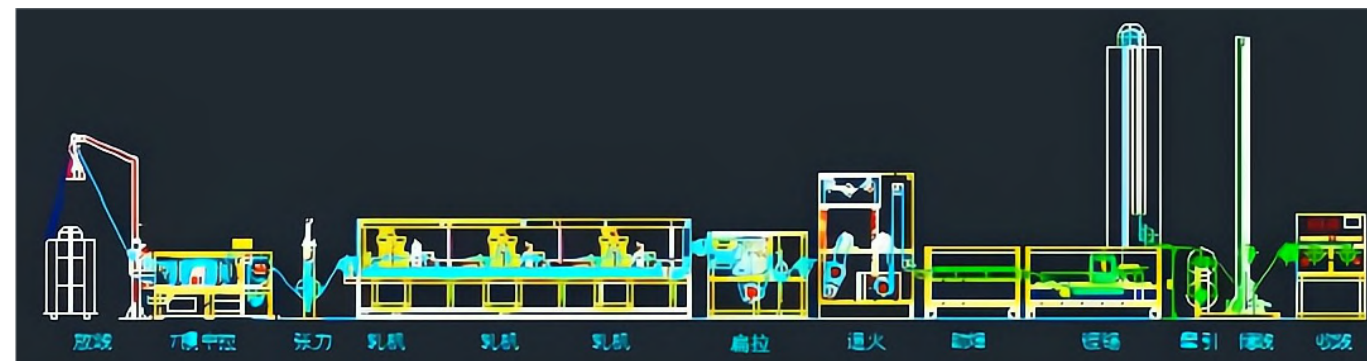
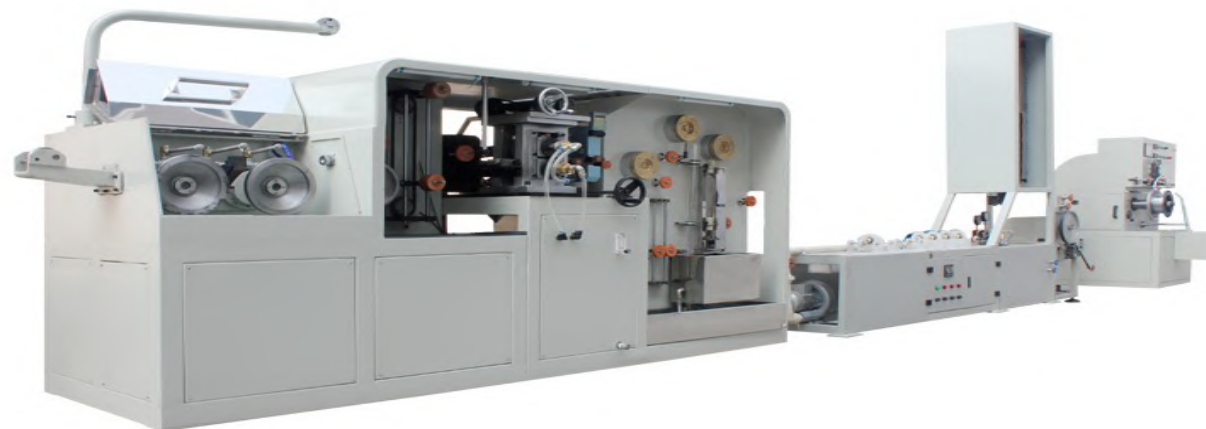




# 产品介绍 Product presentation

## PV Busbar Production line

Item	Parameters
Equipment components	drawing+rolling+flat drawing+annealing+tinning+take up
Speed	150m/min
Inlet	Φ 1.5~3.5mm oxygen free copper
Flat wire	T 0.15~0.6mm*W 2.5~8mm
Drawing	7 dies
Annealing	Short circuit full wave DC annealing
Tinning	Air blower mould, air meter adjust
Take up	Dual spools, manual change over 50Kg/Max
Layout	20m*2m*4.5m
Installation power	≤120KW





## Universal four roll rolling mill

### Usage and characteristics:

Suitable for shaping bundle wires into square or flat wires, rolling round twisted wires into square twisted wires of the required size, or shaping flat wires after rolling without damaging the surface of the wire

★ Thickness 2-35mm \* Width 5-35mm, tolerance  $\pm 0.03\text{mm}$

★ High strength steel integral precision coaxial machining

★ Sliding body fit clearance 0.003-0.005mm

★ Roller: Tungsten steel precision machining

Combination parallelism 0.003-0.005mm

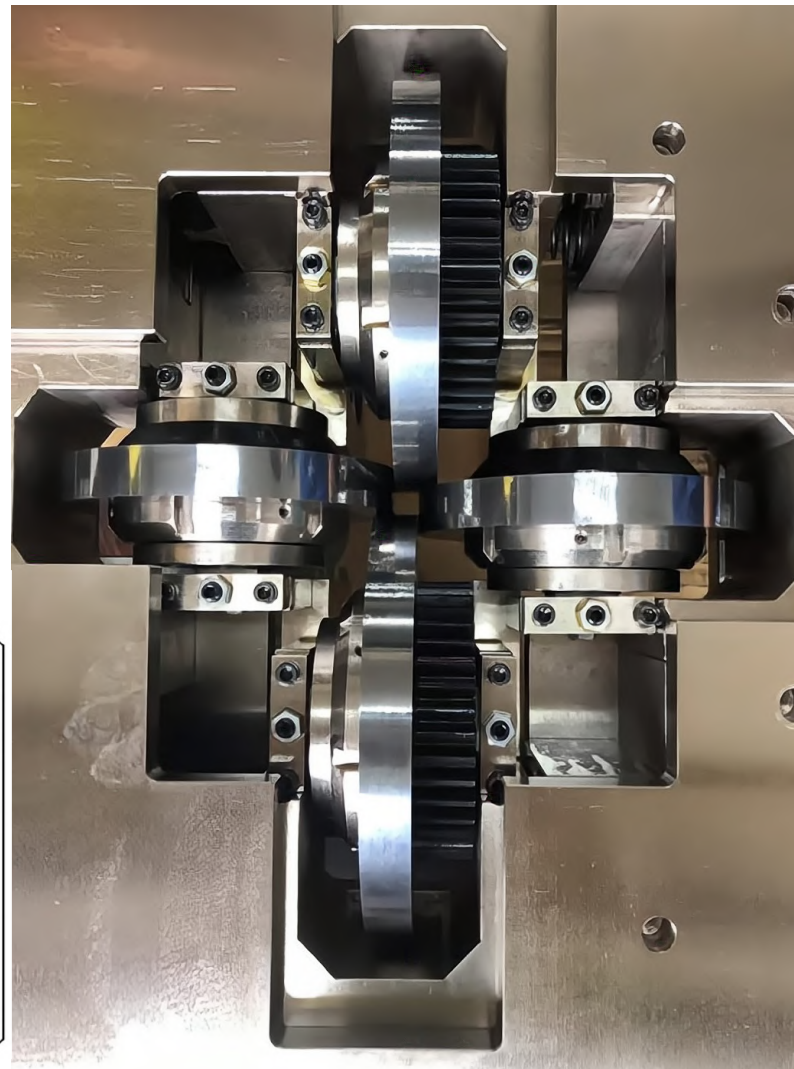
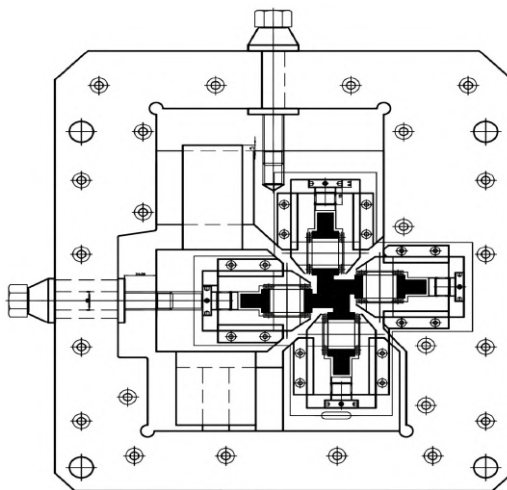
★ Adjustment of the upper, lower, left, and right sets of joint bodies

★ Strong liquid spray cooling

★ Compression type passive wiping powder

★ Servo drive adjustment

★ Can quickly and independently clamp the roller



# 产品介绍

Product presentation

## Layer winding take up

Usage and characteristics:

Used for flat wire collection and arrangement

★ Rail up and down movable tension frame

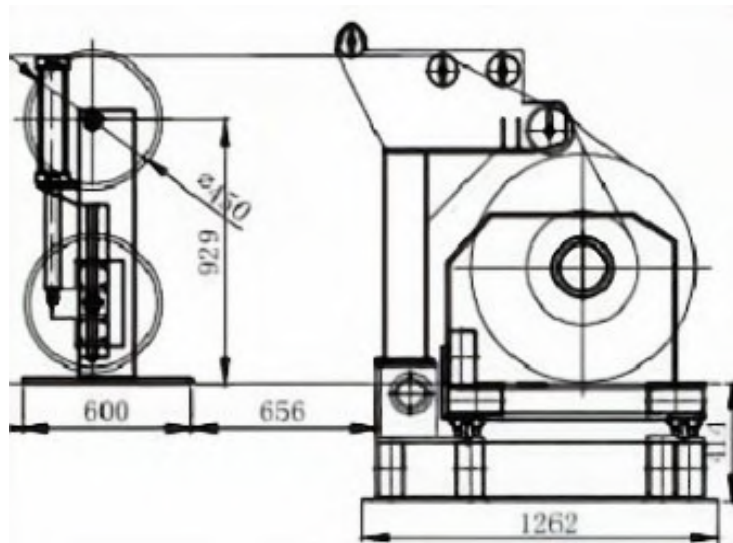
★ Precision sliding rail axis servo cable

★ Stop the machine due to meters, broken wires, disorderly wires, or stuck wires

★ Suitable for flat wires with a width of 3-15mm and a thickness of 0.8-4.5mm

★ Mechanical speed: 150M/Min

★ Roll weight: 1000 KG/MAX





## Flat wire layer winding take up

Usage and characteristics:

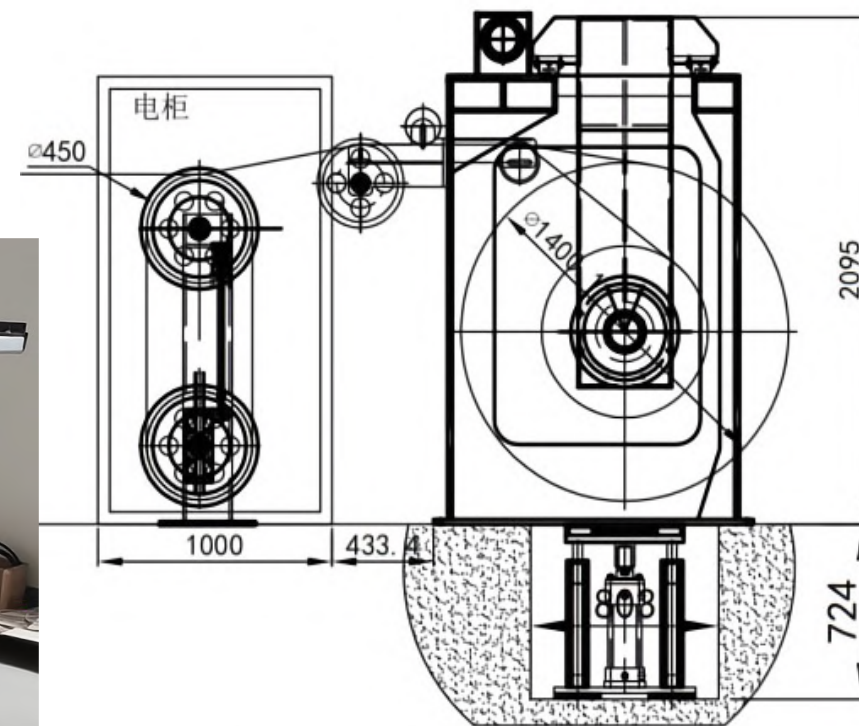
Used for flat wire collection and arrangement

★ Precision sliding rail up and down movable tension frame ★ Precision sliding rail axis servo cable arrangement

★ Down to meters, broken wires, messy wires, stuck wires, and shutdown ★ Suitable for flat wires with a width of 3-15mm and a thickness of 0.8-4.5mm

★ Mechanical speed: 150M/Min ★ Winding weight: 5000 KG/MAX

★ Hydraulic lifting, hydraulic shaftless top fixed plate (with built-in hydraulic station)



张力机

1400轴动式收线机



# 产品介绍 Product presentation

## Flat enameling wire take up

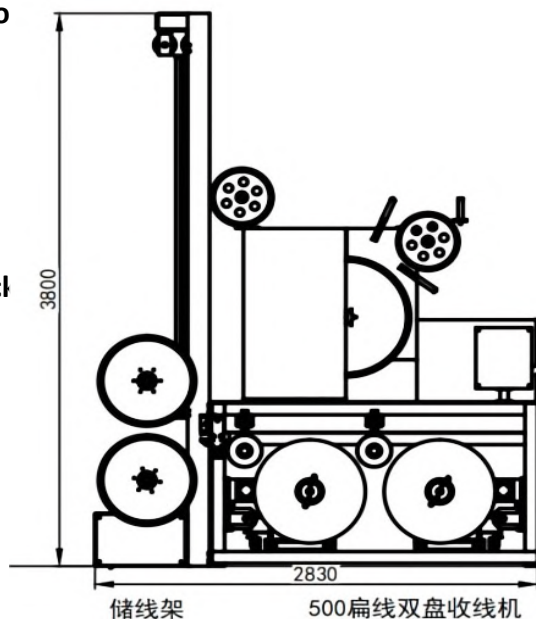
Usage and characteristics:

Used for collecting and arranging flat wires such as enameled wire, double reels manual shaft changing, and automatic shaft changing can also be achieved

- ★ Rail up and down movable tension frame
- ★ Servo traction, traverse, and winding
- ★ Precision sliding rail axis movement
- ★ When reaching the meter, if there is a broken line, if there is a disorderly line, if there is a stuck line, it will stop

Machine alarm

- ★ Maximum load capacity 300KG
- ★ Wire collection speed 7-30m/min
- ★ Applicable wire width 3-15mm, wire material thickness 0.8-4.5mm



# 产品介绍 Product presentation

## 在产现状





# 产品介绍 Product presentation

## 在产现状





## 产品介绍 Product presentation



## 在产现状



# 销售市场 Sales market

## Main clients



锡洲新材料

