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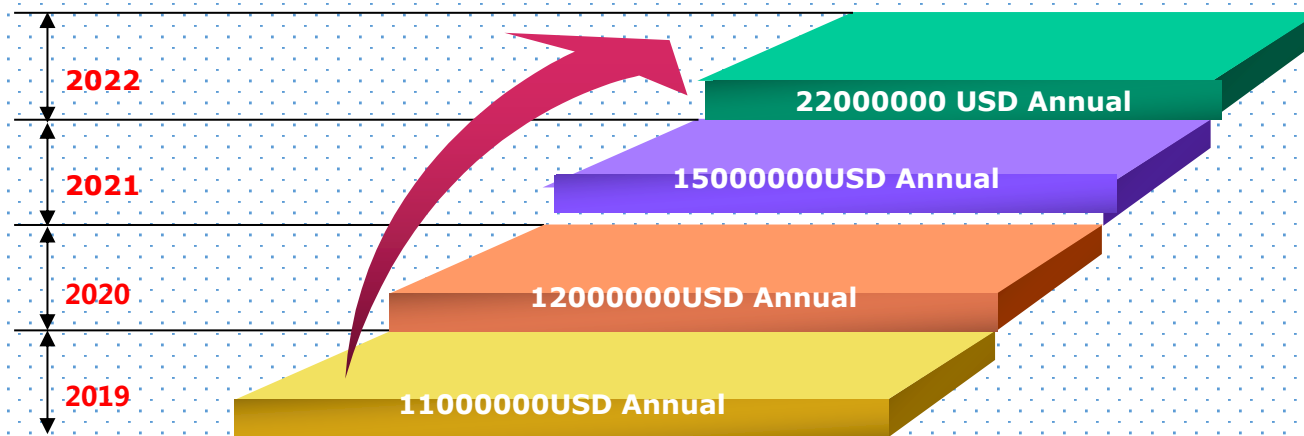
Company development

25000 square meters



关于我们

Company development



Product Brief

Individual motors Rod breakdown machine For Cu,Cu alloy, Aluminum,Al Alloy wire (Variable frequency motor, servo motor option)



Autom.-Einzelspuler GS-0632-A/-0801-A



Autom.-Doppelspuler GS-0632-D/-0801-D



Fasswickler HRW-650/-800/-1025

Energy saving 20% | Space saving 50% | maintenance saving 40% | Improve efficiency 20%



Product Advantage

- optimized wire cooling/lubrication (due to the fully submerged drawing basin)
- flexible machine drafting
- individually driven capstans in horizontal tandem layout
- three-phase AC/servo drives, water-cooled and maintenance-free
- ergonomic and user-friendly machine design, with easy maintenance
- no sound enclosure cabin required up to 85 dB (A)
- highly reliable separation of drawing emulsion and gear oil via mechanical sealing

(long maintenance intervals)

Technical data											
type	RBD 89				RBD 89		RBD 89		RBD 89		
material	Cu				Al		Al-Legierung		CuZn37, CuZn40		
max. production speed	m/s	40	40	40	40	40	40	20	15		
production output (7,000 h and 80 % utilization)	t/a	25.000	50.000	8.500	16.000	7.200	14.000	18.000	16.000		
no. of wires		1	2	1	2	1	2	1	1		
max. inlet dia.	mm	10,0	12,0	8,0	10,0	12,5	12,5	9,5	9,5	8,0	6,5
for max. inlet strength	N/mm²	450	250	450	250	120	120	220	220	400	450
finish-Ø (haul-off capstan Ø 450)	mm	0,8...5,0	0,8...3,6	1,2...6,0	1,2...6,0	1,5...5,5	1,5...3,6	1,0...3,6	1,0...3,6		
finish-Ø (haul-off capstan Ø 560)	mm	1,5...7,35	1,5...4,5	1,8...7,35	1,8...7,35	1,5...7,35	1,5...4,5	1,2...4,5	1,2...4,5		
numbers of drafts		5 ... 15			5 ... 15			5 ... 15			
wire elongation per draft	%	variable			variable			variable			
drive technology / AC motors		individual drives			individual drives			individual drives			

Intermediate wire drawing machine (with continuous annealing, Double spooler ,down coiler options)



Technique parameter:

Item	11DT	17MDT	17DST
Inlet OD(mm)	3.0-3.5	2.5-3.5	2.5-3.5
Outlet OD(mm)	0.8-2.8	0.4-1.2	0.4-1.6
Max drawing dies No	11	17	17
Elongation	19.5%+16.5%	15%+11%	20%+15%
Max speed (MPM)	1200	1200	1800
Transmission	Gear	Chain	Gear
Main motor	55KW	45KW	55KW
Annealing power	165KVA	72KVA	90KVA
Spooler motor	15KW	11KW	15KW
Annealing DC	3000A	1200A	2000A
Take up spool (mm)	630	630	630
Loading	Pneumatic clamping, lifting		

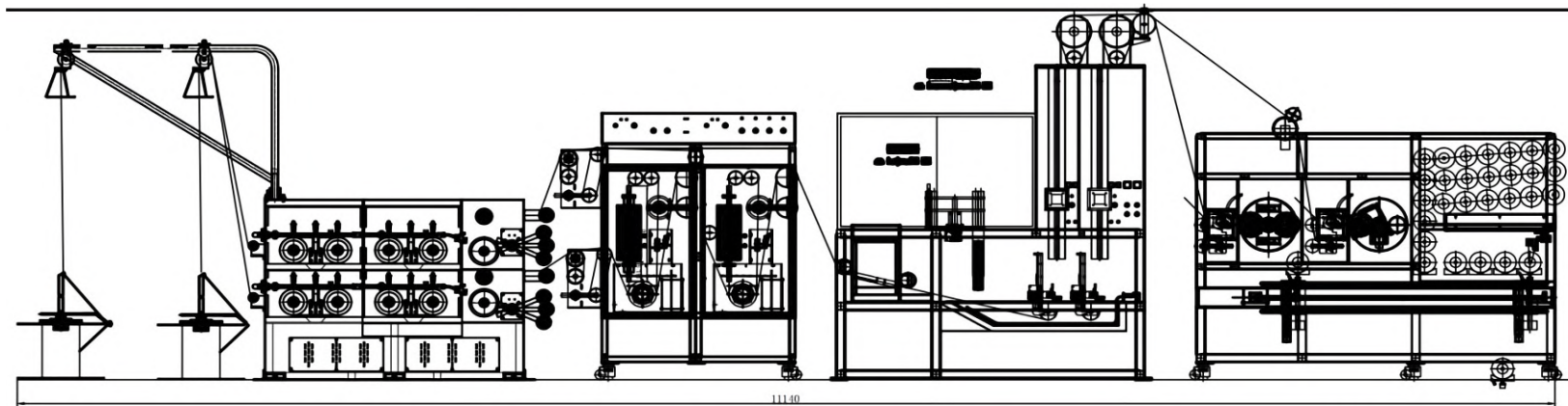
Double Lines MBB Round PV Ribbon Drawing Annealing Tinning Machine With Automatic Spools Changer

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

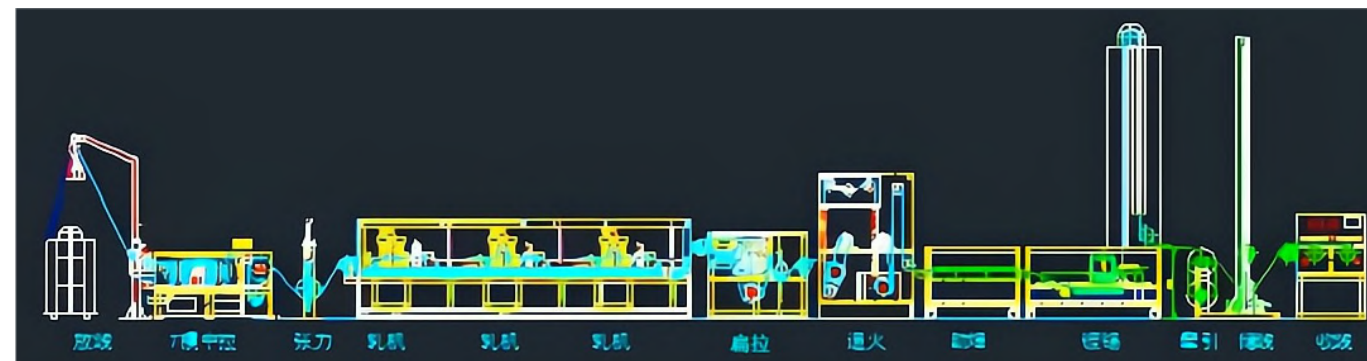
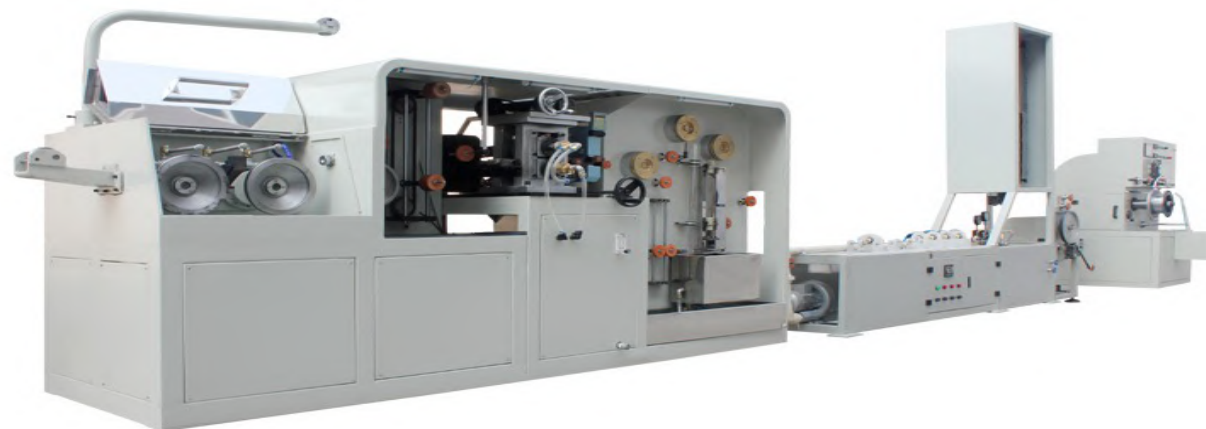
全自动收线机



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



PV Cable Extruder Line 80+90PLC



Main specification and performance

1. Application of the core conductor diameter: $\Phi 1.0\text{mm}$ – $\Phi 15\text{mm}$
2. Complete external diameter: $\Phi 3.0\text{mm}$ – $\Phi 25.0\text{mm}$
3. Extrusion volume: $\Phi 80$ (around 220KG/H); $\Phi 90$ (around 280KG/H)
4. Extrude line speed: Max200M/Min (Depending on completion of the external diameter sure)
5. Machine center height: 1000mm
6. Mini insulation thickness: 0.2mm
7. The installation length of the entire production line is about 38–40 meters (depending on the customer's site)

Cable Coiling Wrapping And Labeling Line



Tinning ELECTROPLATING Line



- Electrolytic wire tinning line
- Electrolytic wire nickel-plating line
- Electrolytic wire silver-plating line

- Electrolytic wire galvanizing line
- Electrolytic wire cooper-plating line
- Customized Lines

Wire Dia:Cu 1.2–2.6mm

Wire nos:1

Production speed:15m/s

Coating material: Pure tin (99.9%)

Coating thickness: 1–20um

Adaptation line reel: $\phi 630$ – $\phi 800$

Electroplating current rod groove diameter:
400mm. 25 grooves

Defatting current rod groove diameter:
400mm. 25 grooves

Maximum ambient temperature: 40–50 ° C.

Wiring method: The wire is driven from left to right in a U-shape through the production line.

One traction is used for degreasing, and two traction are used for electroplating, both directly driven by three-phase motors.

The two motors are synchronized through a tension box.

Total installed power: 170kW

Fine Wire Drawing Machine With Automatic Spools Changer



Item	22FWDA	24FWDA	14FWDA	24SFWDA	22FWDAD
Inlet diameter(mm)	0.8-1.2	0.5-1.4	0.8-1.6	0.14-0.45	0.7-1.2
Outlet diameter(mm)	0.1-0.4	0.08-0.4	0.25-0.6	0.05-0.1mm	0.15-0.5
Max speed(MPM)	2000	2000	1200	1800	2400
Main motor	11KW	11KW	15KW	11kw	15KW
Annealing motor	16KVA	16KVA	30KVA	3KVA	18KVA
Spooler motor	3.7KW	3.7KW	5.5KW	2.2KW	3KW*2
Annealing method	DC. three-section annealing				
spool (mm)	200-300				200-250 double spooler
Dimension(mm)	2100Lx1600Wx1700H	2100Lx1600Wx1700H	2568Lx1538Wx2974H	2268Lx1338W1874H	3500x1200x2700
Weight	2600	2600	3000	2200	30

Annealing-tinning machine (multi wire take up option PND630 MS bobbin)



Inlet wire numbers	40H	32H	16H	12H
Inlet wire diameter mm	0.1-0.6	0.05-0.127	0.03-0.08	0.016-0.05
Max speed (MPM)	300			
Method	Electrical heat tubular annealing, hot dip tinning			
Annealing length M	6	3	2	2
Spooler dimension	PT5-25	PT3-PT8	PT3-P5	PT3-PT5
Total installed power	76.5KW	50KW	40KW	24kw

MULTI-WIRE DRAWING MACHINE

[illegible]

Double Twist Bunching Machine



设备型号 Equipment Models	500B	650B	650C	800B
绞合用途 Twisting Usage	适合于七股以上的裸铜线、镀锡线、镀银线、漆包线等导体的绞合及芯线对绞 It is applied to the twisting of above 7 pcs of bare copper wires,tinned wires,silver jacketed wires and enamelled wires and double twisting for core wires			
单丝线径(mm) Single Wire Dia(mm)	φ0.08~φ0.45	φ0.15~φ1.04	φ0.12~φ0.52	φ0.38~φ1.7
绞合截面积(mm²) Stranding Section Area(mm²)	0.05~2.5	0.35~6.0	0.30~4.0	1.0~16
芯线单丝线径(mm) Core Wire Single Wire Dia	Φ0.5~1.5	Φ0.5~3.0	Φ0.5~2.0	Φ1.0~4.0
芯线绞合外径(mm) Core Wire Stranding Outer Dia	φ1.0~φ3.0	φ1.0~φ6.0	φ1.0~φ4.0	φ2.0~φ8.0
绞距(mm) Pitch	6.3-52.3(24 段)	11.6-100(34 段)	11.6-100(34 段)	23-147(20 段)
绞向 Direction of Lay	左右可自由选择 optional for right or left			
收线盘尺寸 Take-up Bobbin(mm) Outer Diameter*Bore*Outer Width	Φ500*Φ56*375 Φ500*Φ127*375	Φ630*Φ56*475 Φ630*Φ127*475	Φ630*Φ56*475 Φ630*Φ127*475	Φ800*Φ80*600
最大转速 Max Rotating Speed(rpm)	3000(6000 扭)	2000(4000 扭)	2400(4800 扭)	1500(3000 扭)
主电机功率 Main Motor Power	5.5KW	7.5KW	11KW	15KW
变频器功率 Inverter Power	5.5KW	7.5KW	11KW	15KW
张力控制方式 Tension Control Method	触摸屏+PLC+磁粉离合器，保证空盘到满盘张力恒定 touch screen+PLC+magnetic powder clutch, it may ensure the constant tension from empty bobbin to full bobbin.			
磁粉离合器 Magnetic Powder Clutch	1.2kgf	5kgf	2.5kgf	10kgf
保护 Protection	内外部断线自动刹车，计米到位自动停机 Machine will automatically brake when wire inside and outside is broken,the machine will automatically stop when the preset length is arrived.			
刹车方式 Brake Mode	电磁刹车制动 Electromagnetic Brake			
排线方式 Traversing Method	轴承式光杆排线，排幅排距均可调整 Rolling ring drive units, winding pitch and breadth are adjustable.			
操作方式 Operation Mode	触摸屏操作 Touch Screen Operation			
外形尺寸 Dimension(mm)	2680L*1250W*1500H	3300L*1550W*1800H	3300L*1550W*1800H	4600L*2000W*2000H

设备型号 Equipment Models	1000B	1250B	1600B
绞合用途 Twisting Usage	适合于七股以上的裸铜线、镀锡线、镀银线、漆包线等导体的绞合及芯线对绞 It is applied to the twisting of above 7 pcs of bare copper wires,tinned wires,silver jacketed wires and enamelled wires and double twisting for core wires.		
单丝线径 (mm) Single Wire Dia(mm)	φ0.30~φ1.7	φ0.5~φ2.14	φ0.5~φ2.52
绞合截面积 (mm²) Stranding Section Area(mm²)	6.0~35.0	10.0~50.0	16.0~95.0
芯线单丝线径(mm) Core Wire Single Wire Dia	φ2.0~φ5.0	φ3.0~φ8.0	φ3.0~φ10
芯线绞合外径 (mm) Core Wire Stranding Outer Dia	φ4.0~φ10.0	φ6.0~φ16.0	φ8.0~φ20.0
绞距(mm) Pitch(mm)	35-200 （12段）	50-250 （12段）	80-350 （12段）
绞向 Direction of Lay	左右可自由选择 optional for right or left		
收线盘尺寸 Take-up Bobbin(mm) Outer Diameter*Bore*Outer Width	Φ1000*φ80*750	φ1250*φ80*950	φ1600*φ80*1180
最大转速 Max Rotating Speed(rpm)	1000(2000 扭)	800(1600 扭)	600(1200 扭)
主电机功率 Main Motor Power	18.5KW	22KW	30KW
变频器功率 Inverter Power	18.5KW	22KW	30KW
张力控制方式 Tension Control Method	触摸屏+PLC+磁粉离合器，保证空盘到满盘张力恒定 touch screen+PLC+magnetic powder clutch, it may ensure the constant tension from empty bobbin to full bobbin.		
磁粉离合器 Magnetic Powder Clutch	20kgf	20kgf	40kgf
保护 Protection	内外部断线自动刹车，计米到位自动停机 Machine will automatically brake when wire inside and outside is broken,the machine will automatically stop when the preset length is arrived.		
刹车方式 Brake Mode	电磁刹车制动 Electromagnetic Brake		
排线方式 Traversing Method	轴承式光杆排线，排幅排距均可调整 Rolling ring drive units, winding pitch and breadth are adjustable.		
操作方式 Operation Mode	触摸屏操作 Touch Screen Operation		
外形尺寸 Dimension(mm)	4000L*2200W*2100H	4500L*2600W*2500H	5000L*3000W*3000H