

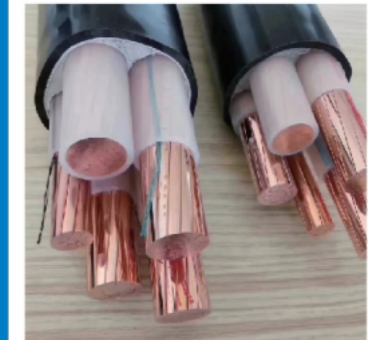
手机: +86 135 0612 4377 (WhatsApp, Wechat)

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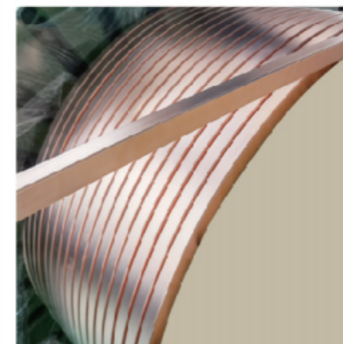
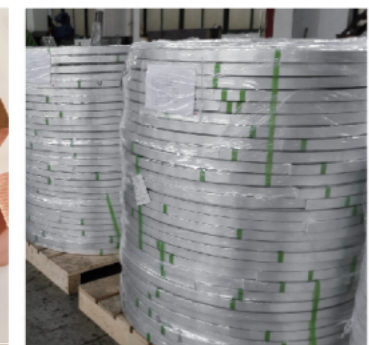
www.continuousextrusion.com



常州艾邦
CHANGZHOU AIBANG



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铜铝连续挤压及包覆设备

Aluminum and Copper Continuous Extrusion Machinery
And Aluminum Cladding Equipment

常州艾邦机械科技有限公司
Changzhou AiBang Machinery & Science Technology Co.,LTD

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常州艾邦机械科技有限公司

Changzhou AiBang Machinery & Science Technology Co.,LTD

公司简介 >>>

常州艾邦机械科技有限公司是一家高科技民营股份制企业，公司专业生产铜铝材连续挤压机系列机组及铝包钢线连续包覆成套设备。公司拥有雄厚的技术研发力量和齐全的工艺设备，聚集了一批技术人才及高级管理人才。公司十分注重科技创新，已获得多项国家专利，2009年公司承担国家创新基金项目，并获得资助，TJ400/280、LJ400/250均获得江苏省高新技术产品认定。2010年9月被列为江苏省高新技术企业。公司先后通过SGS ISO9001-2008及欧盟CE论证。公司生产的铜铝材连续挤压机及铝包钢包覆成套设备受到国内外铜铝加工企业、变压器、电机、电线电缆行业的青睐，设备已远销到美国、俄罗斯、意大利、巴西、乌克兰、印度、马来西亚、缅甸等国。

公司地处常州高新区，东临沪宁高速薛家出入口，西靠民航常州机场，交通十分便利。公司本着“诚信，创新，务实，高效”的宗旨，真诚为广大用户提供优质高效的服务，期待与新老用户携手合作，共谋发展。

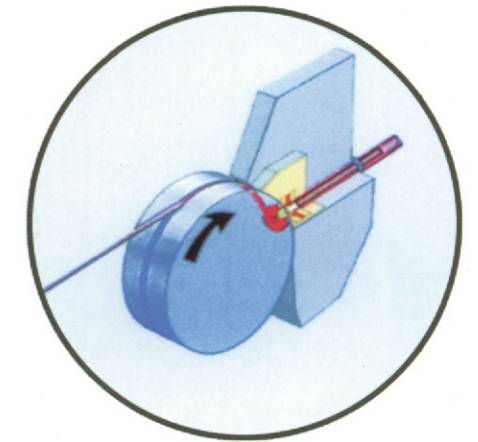
Company Profile >>>

Changzhou Aibang Machinery Technology Co., Ltd. is a National Hi-Tech enterprise, specializing in the production of copper, aluminum continuous extrusion machine equipment. The company has strong technical development efforts and complete the process equipment, gathered a group of high technology professionals with extensive experience in non-ferrous metal processing technology and production. The company attaches great importance to technological innovation, and has developed a variety of products suited to market demand. The company has applied for twelve national patents, one of which is the patent on invention. In 2009 the company undertook a National Innovation Fund Project and was awarded the high-tech enterprises in 2010. "Production of copper alloy with high-speed railway trolley conductor TJ400/280 continuous extrusion machine" and "production of high precision soft aluminum continuous extrusion" were identified as Jiangsu provincial "High-tech products". The company has passed SGS ISO9001-2008 and the European Union CE demonstration. Copper and aluminum materials produced by continuous extrusion equipment are favored by both domestic and foreign copper and aluminum processing enterprises and transformers, motors, wire and cable industries. The finished equipments have been exported to and favored by customers from the United States, Russia, Italy, Brazil, Ukraine, India, Malaysia, Myanmar, Bangladesh and other countries.

The company is located in Changzhou High-tech Zone, east of Shanghai-Nanjing highway, Xuejia entrance, west of Changzhou Civil Aviation Airport. The transportation is very convenient. "Integrity, innovation, pragmatic and efficient" is our purpose, we sincerely provide customers with high-quality and efficient service and look forward to working together with new and old customers to seek common development.

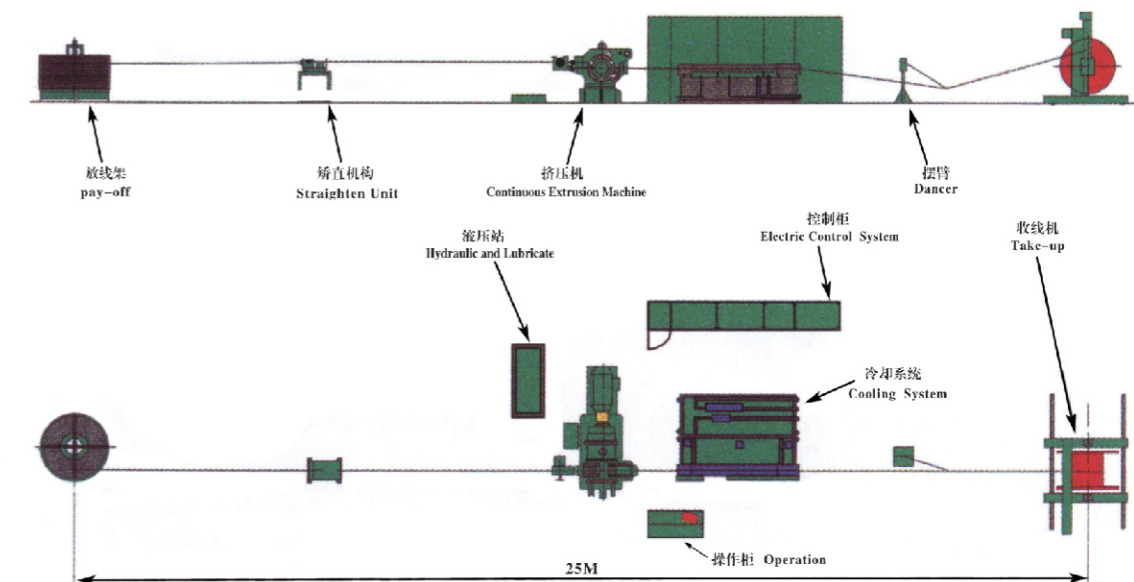
原理 (见右图)

挤压轮在动力的驱动下，沿图示的方向旋转，当原材料（铜或铝）进入挤压轮轮槽时，在槽轮的摩擦力作用下，被引到由挤压轮和模腔形成的挤压腔内，由于档料块阻止了材料的继续前进，在摩擦力产生的高压和高温作用下，挤出铜型材。



铜铝材连续挤压生产线示意图

Schematic diagram of continuous extrusion production line for copper and aluminum



Principle(SeePicture)

The extrusion wheel inside the main machine powered by the motor rotates as shown in the picture. When the input rod (Copper/Aluminum rods) goes into the groove on the extrusion wheel, the rod moves in the pictured direction by friction. Under the force of friction, the input material is squeezed into the cavity between the extrusion wheel and the die chamber. The abutment at the outlet end blocks the input material and extrude the material into the chamber. Under high pressure and high temperature inside the chamber, the material passes through the die and becomes final extruded copper and aluminum products.

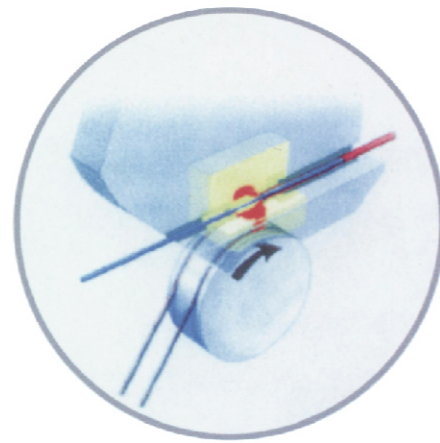
铝包钢包覆生产线简介 —— Aluminum-clad Steel Production >>>

铝包钢技术是采用切向连续包覆技术，将铝连续不断地包覆在经过处理的钢芯线外层表面上，再采用双金属同步变形工艺将其拉拔到所需的产品规格尺寸。利用该技术生产的铝包钢线能达到国际IEC标准和美国ASTM标准要求。

Aluminum-clad Steel (ACS) technology uses tangential cladding technique to continuously clad aluminum wire around the surface of processed steel wire core, then use the bimetal synchronous deformation process to draw the wire to the required product sizes. The ACS wire produced using such production technology can meet the requirements of international ICE standards as well as the United States ASTM standards.

该设备型号为LB350-2/200.技术参数如下

- 挤压轮公称尺寸：340mm
- 主机额定转速：16.7rpm
- 主电机额定功率：200kw
- 铝包钢丝尺寸：4-8mm
- 铝包钢包覆生产速度：180m/min

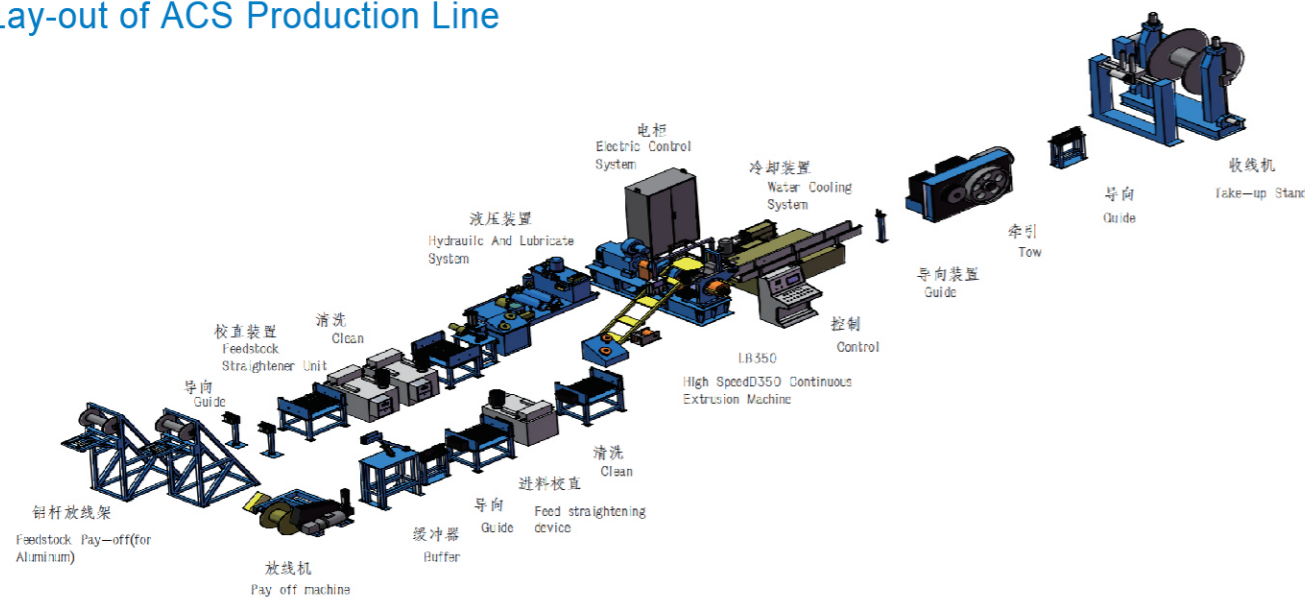


Technical Specification of the LB350-2/200 Machinery

- Diameter of the Extrusion Wheel: 340 mm
- Rated Speed of the Main Motor: 6.7 rpm
- Rated Power of the Main Motor: 200 kw
- Diameter of the ACS Wire: 4-8 mm
- Production Speed of the ACS Wire: 180 m/min

铝包钢生产线示意图

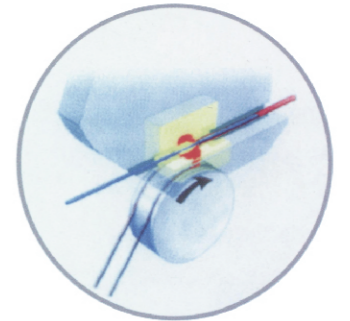
Lay-out of ACS Production Line



软包覆包覆生产线简介 —— Soft Cladding (OPGW/CATV) Production >>>

软包覆技术是采用切向间接连续包覆技术，将铝连续不断地包覆在软芯线外层表面上，再采用履带牵引拉拔，将铝紧紧包覆在软芯线表面或碳纤维表面，利用该技术可以生产高品质防火电缆铝护套以及高抗拉强度、抗氧化输变电电缆。

Soft cladding technology uses tangential indirect continuous cladding technology to continuously clad aluminum on the surface of the soft core wire, then through the use of caterpillar tractor to tightly wrap the aluminum onto the surface of the soft/carbon fiber core wire, this technology can be used to produce high-quality aluminum sheaths for fireproof cable as well as transformation cables with high tensile strength and anti-oxidation power transmission.

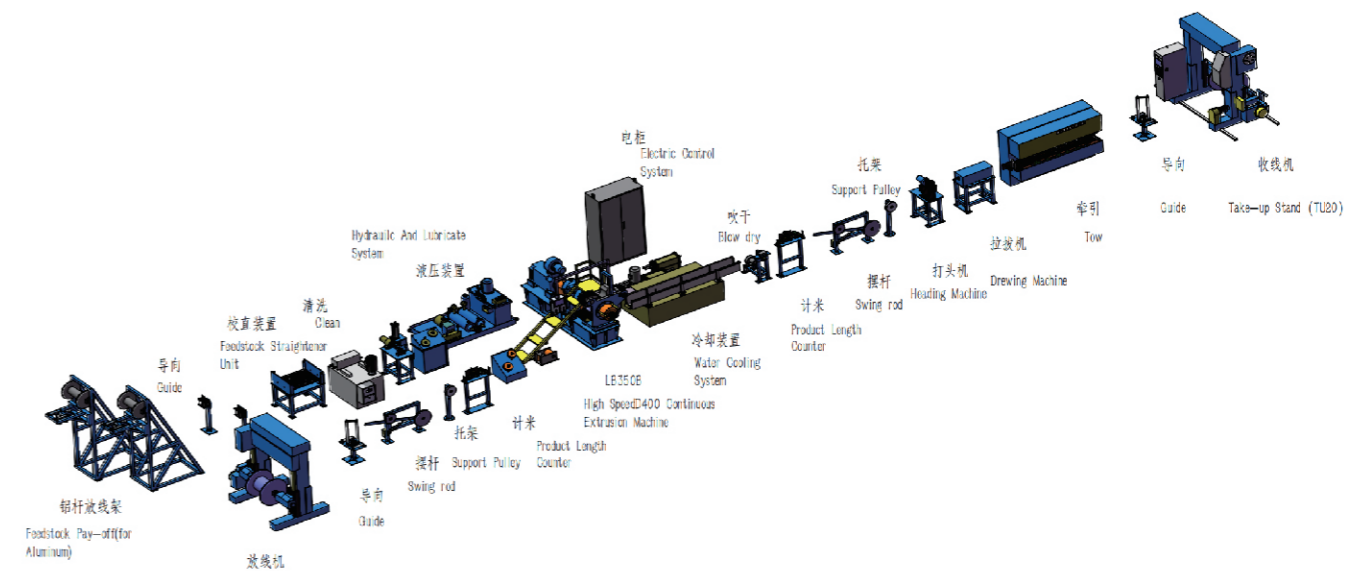


技术参数 / Technical Specification

设备型号 Equipment Type	LB350	LB400
挤压轮公称尺寸 Extrusion Wheel Diameter (mm)	340	400
主机额定转速 Rated Wheel Speed (rpm)	16.7	12.5
主电机额定功率 Rated Motor Power (kw)	200	315
软芯线尺寸 Soft Core Size(mm)	6.1-35	20-60
软包覆包覆生产速度 Production Speed (m/min)	20-80	10-20

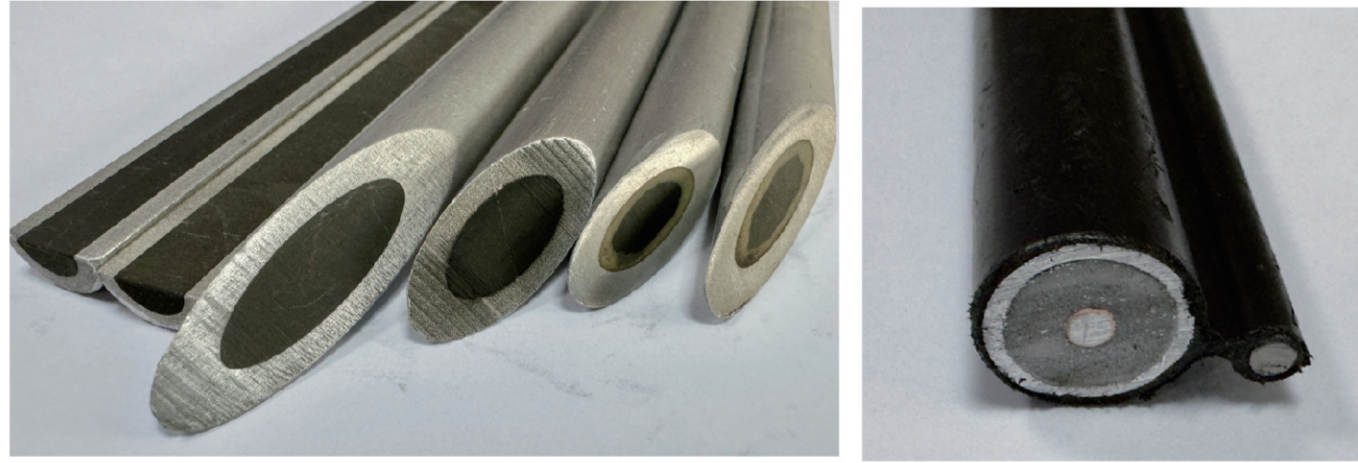
软包覆生产线示意图

Lay-out of the Soft Clad Production Line



连续包覆产品一览 —— Sample Soft-Cladding Products >>>

铝包覆碳纤维复合导线 / (Carbon-fibre Reinforced Cable) / CATV信号线 (CATV Cable)



软包覆-防火电缆 / BTLY Fire-resistant Cable



铝包钢 / Aluminum-clad Steel

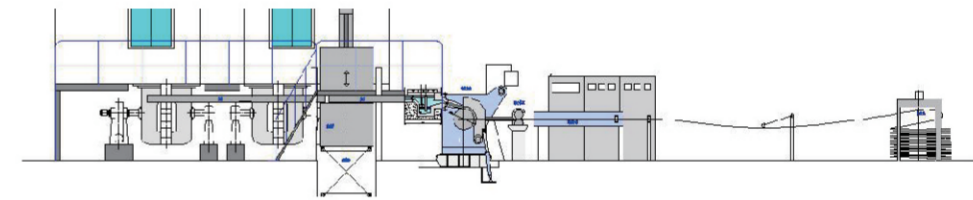


液态连续挤压生产线 —— Liquid Continuous Extrusion Line (CASTEX) >>>



技术参数 / Technical Specification

型号 Type	适用范围 Scope of Product	挤压轮直径 Wheel Diameter (mm)	主电机功率 Motor Power (KW)	最高转速 Max Wheel Speed (rpm)	平均生产能力 Output Capacity (kg/h)	产品直径 Product Diameter (mm)	泄漏量 Flash	坯料直径 Input Diameter (mm)
360	AL Alloy Products	360	200	2~15	150	Φ6~Φ15	≤5%	Liquid AL Alloy



铝基中间合金连续挤压生产线 —— For Aluminum Master Alloys >>>



技术参数 / Technical Specification

型号 Type	适用范围 Scope of Product	挤压轮直径 Wheel Diameter (mm)	主电机功率 Motor Power (KW)	最高转速 Max Wheel Speed (rpm)	平均生产能力 Output Capacity (kg/h)	产品直径 Product Diameter (mm)	溢料率 Flash	坯料尺寸 Input Size (mm ²)
400	AL Alloy Products	400	280	1 ~ 10	400	2" Φ 9.5	≤ 5%	400
500		500	315	1 ~ 10	700	3" Φ 9.5	≤ 5%	600
600		600	450	1 ~ 8	1200	3" Φ 9.5	≤ 5%	800
630		630	600	1 ~ 7.5	1500	3" Φ 9.5	≤ 5%	1000

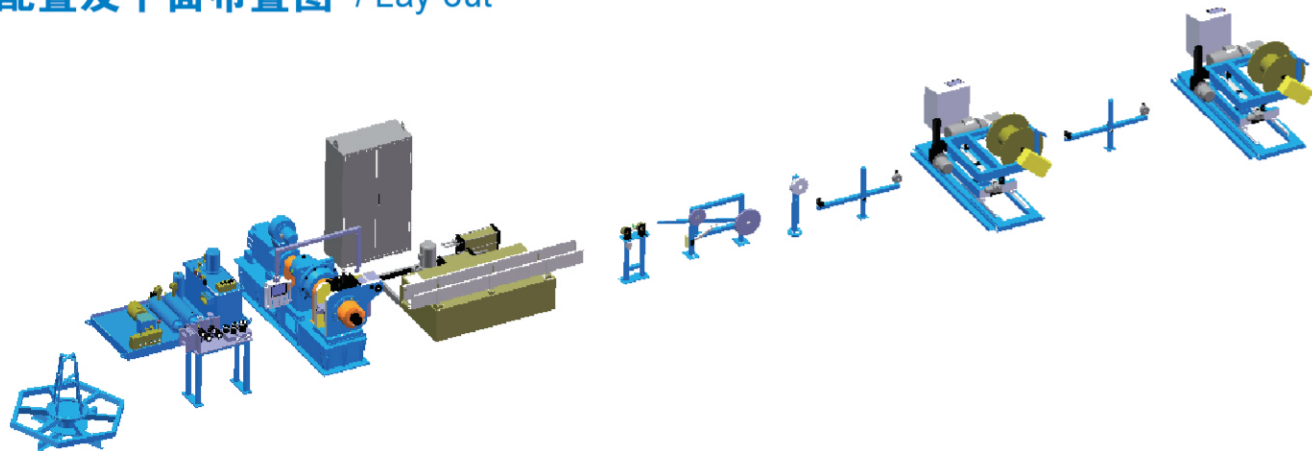
铜连续挤压生产线 —— Continuous Extrusion Line For Copper >>>



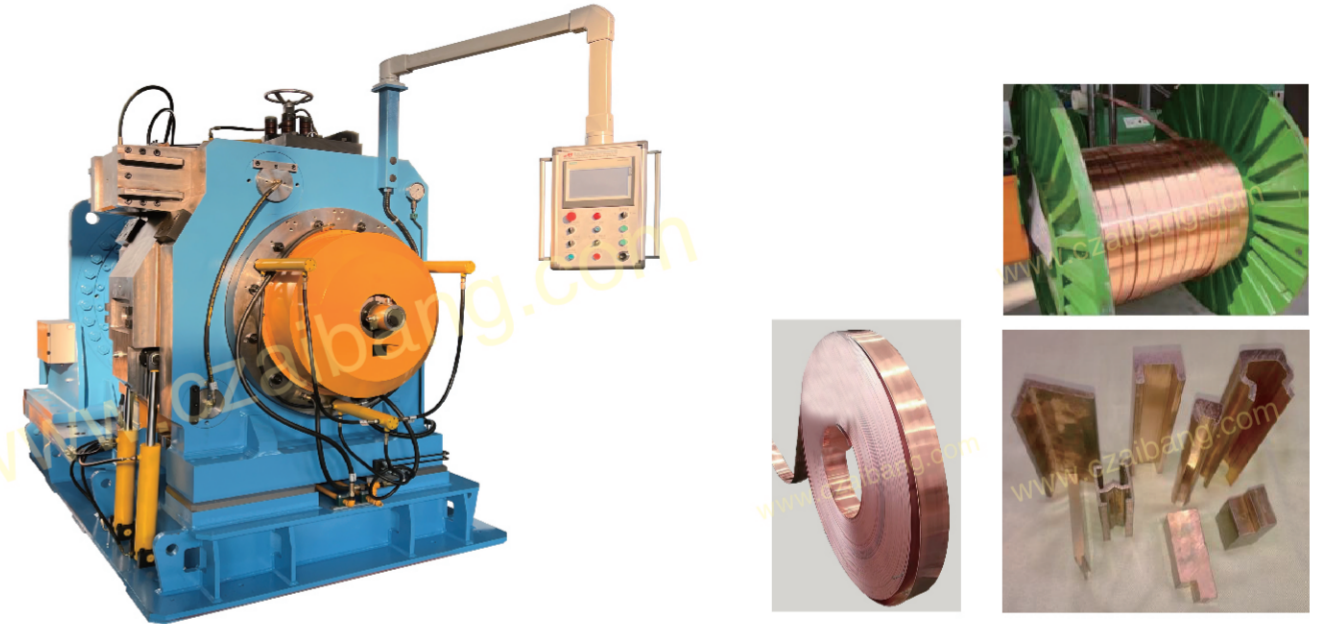
技术参数 / Technical Specification

型号 Type	适用范围 Scope of Product	挤压轮直径 Wheel Diameter (mm)	主电机功率 Motor Power (KW)	最高转速 Max Wheel Speed (rpm)	平均生产能力 Output Capacity (kg/h)	产品断面积 Cross-Section of Product (mm ²)	最大宽度 Maximum Width (mm)	最小厚度 Minimum Thickness (mm)	溢料率 Flash	坯料直径 Input Diameter (mm)
250	Copper Flat Product	250	45	11	144	8~60	18	0.8	≤3%	Φ 8
300		300	90	11	400	8~250	50	0.9		Φ 12.5
300T		300	110	20	800	20~200	40	1.5		Φ 12.5

配置及平面布置图 / Lay-out



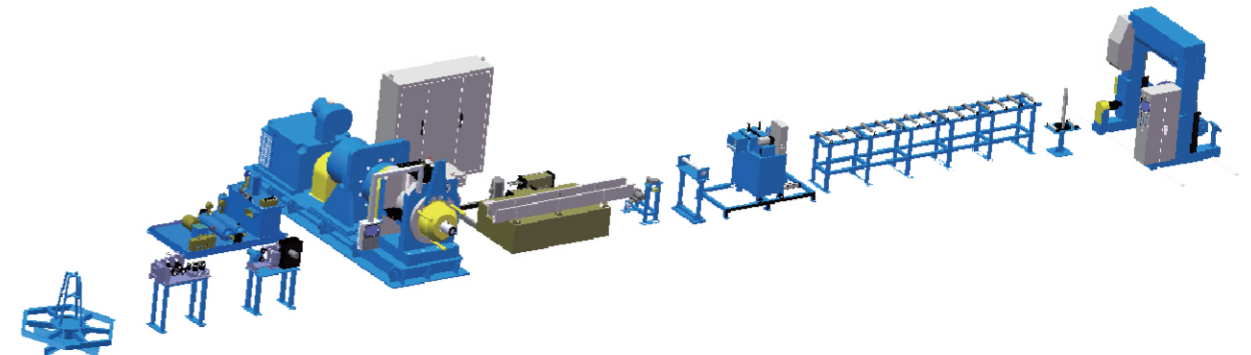
铜排、铜板连续挤压生产线 —— For Copper Busbar and Profile >>>



技术参数 / Technical Specification

型号 Type	适用范围 Scope of Product	挤压轮直径 Wheel Diameter (mm)	主电机功率 Motor Power (KW)	最高转速 Max Wheel Speed (rpm)	平均生产能力 Output Capacity (kg/h)	产品断面积 Cross-Section of Product (mm ²)	最大宽度 Maximum Width (mm)	最小厚度 Minimum Thickness (mm)	溢料率 Flash	坯料直径 Input Diameter (mm)
350	Copper Flat and Copper Busbar Product	350	200	11	800	100 ~ 1000	100	3	≤ 5%	Φ 16
400		400	250	10	1200	250 ~ 2200	170	3		Φ 20
500		500	400	10	1600	200 ~ 3800	240	6		Φ 22
550		550	450	8	2200	300 ~ 5800	260	6		Φ 25
600		600	450	8	2500	380 ~ 8000	315	8		Φ 28
630		630	500	8	3000	400 ~ 8000	340	10		Φ 30
650		650	600	8	3500	400 ~ 10000	420	12		Φ 30

配置及平面布置图 / Lay-out



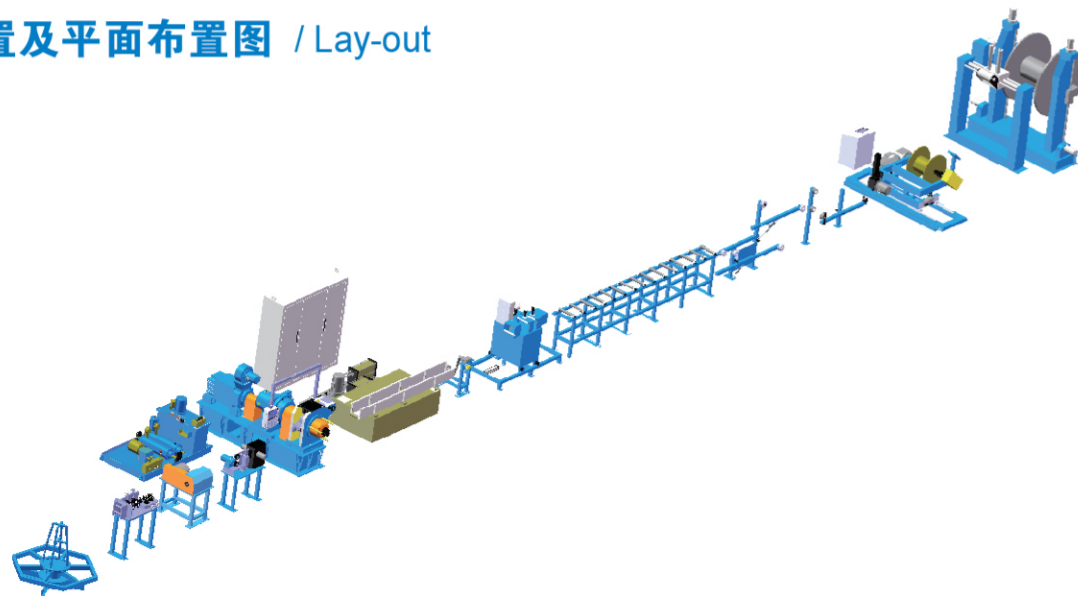
铜合金线专用 —— For Copper Alloy >>>



技术参数 / Technical Specification

型号 Type	适用范围 Scope of Product	挤压轮直径 Wheel Diameter (mm)	主电机功率 Motor Power (KW)	最高转速 Max Wheel Speed (rpm)	平均生产能力 Output Capacity (kg/h)	产品直径 Product Diameter (mm)	溢料率 Flash	胚料直径 Input Diameter (mm)
400A	CuAg, CuMg, and Copper-Tin Alloy Product	400	280	8	500	Φ16-Φ30	≤5%-8%	Φ20
500		500	315	8	600	Φ20-Φ30	≤5%-8%	Φ20
550A		550	450	8	800	Φ16-Φ30	≤5%-8%	Φ20-Φ22

配置及平面布置图 / Lay-out



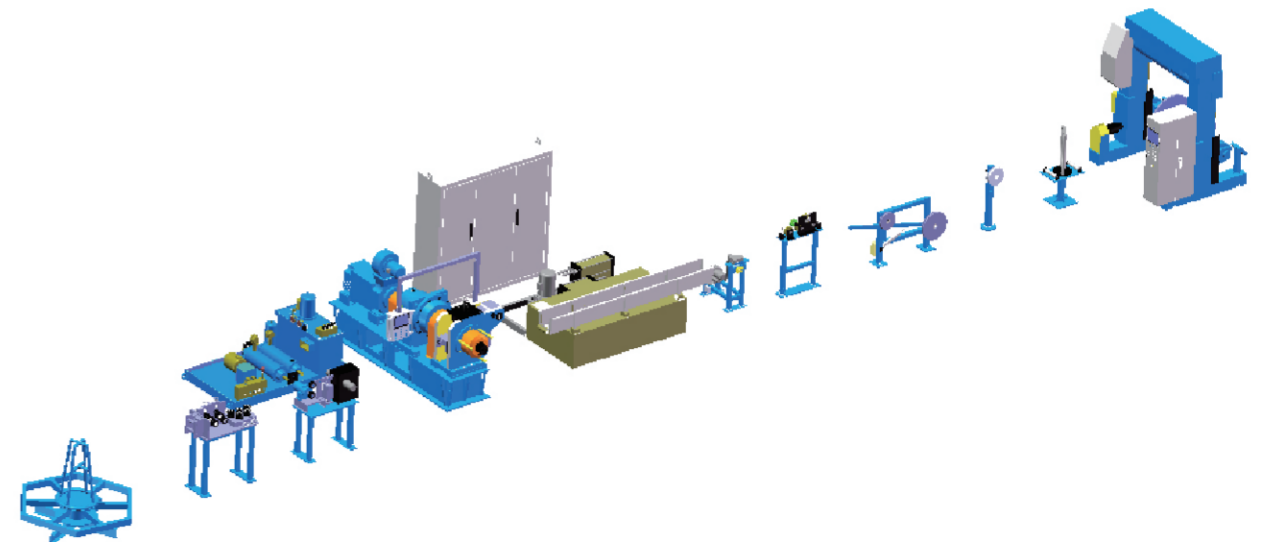
铜管续挤压生产线 —— For Copper Tubes >>>



技术参数 / Technical Specification

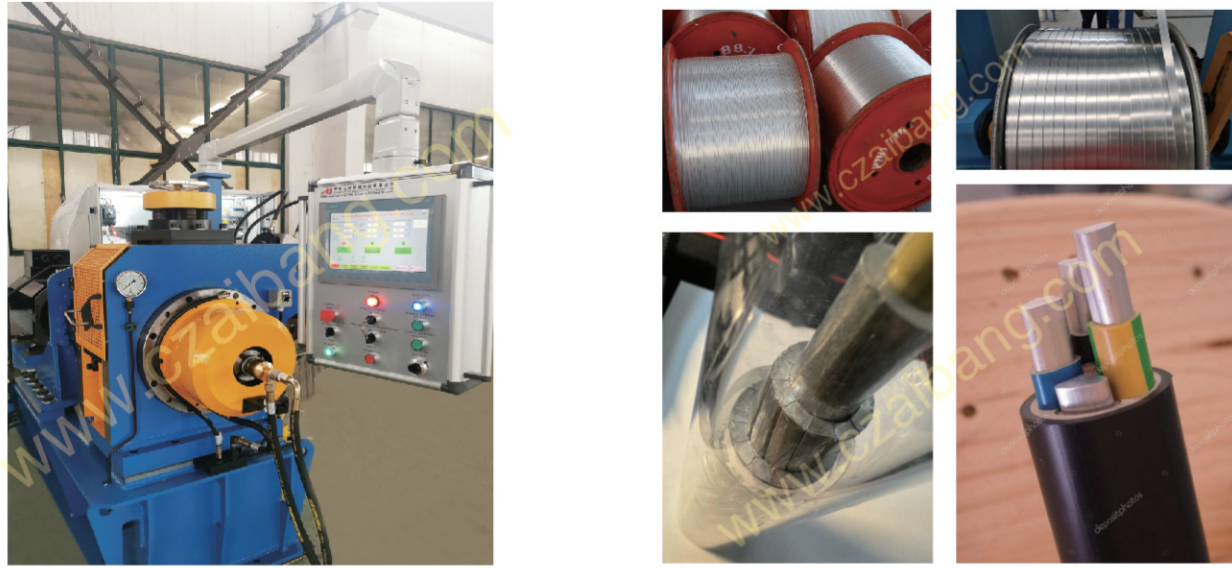
型号 Type	适用范围 Scope of Product	挤压轮直径 Wheel Diameter (mm)	主电机功率 Motor Power (KW)	最高转速 Max Wheel Speed (rpm)	平均生产能力 Output Capacity (kg/h)	产品直径 Product Diameter (mm)	溢料率 Flash	胚料直径 Input Diameter (mm)
350	Copper Tube Products	350	200	11	300 ~ 400	Φ 7X7 ~ Φ 20X20	5% ~ 8%	Φ 16
400		400	250	8	500 ~ 600	Φ 20X20 ~ Φ 38X38		Φ 20

配置及平面布置图 / Lay-out



铝连续挤压生产线 —— Continuous Extrusion Line For Aluminum >>>

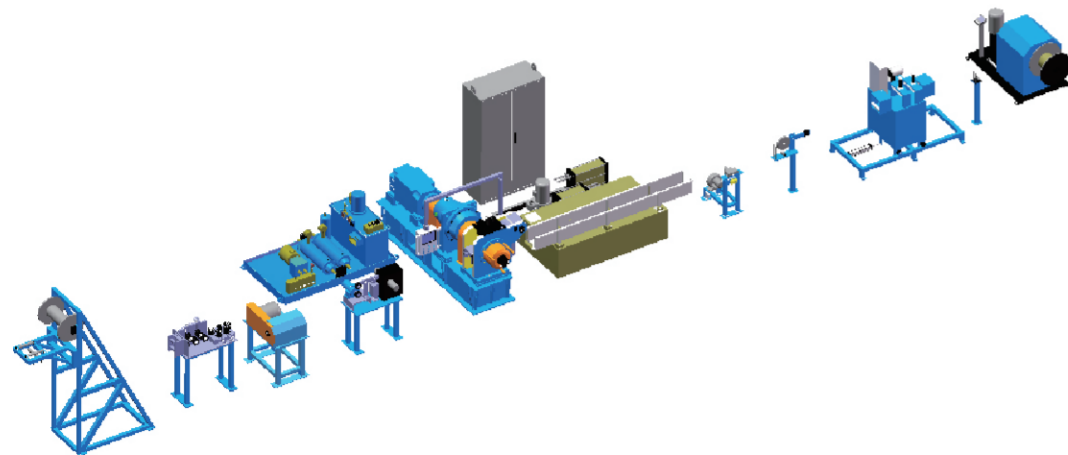
铝导体连续挤压生产线 /For Aluminum Conductor



技术参数 / Technical Specification

型号 Type	适用范围 Scope of Product	挤压轮直径 Wheel Diameter (mm)	主电机功率 Motor Power (KW)	最高转速 Max Wheel Speed (rpm)	平均生产能力 Output Capacity (kg/h)	产品断面积 Cross-Section of Product (mm ²)	最大宽度 Maximum Width (mm)	最小厚度 Minimum Thickness (mm)	溢料率 Flash	坯料直径 Input Diameter (mm)
300	AL Wire Product	300	110	30	140 ~ 220	10 ~ 100	30	0.7	≤ 1%	Φ 9.5 ~ Φ 12
350		350	200	20	350	50 ~ 1000	100	2	≤ 3%	Φ 12 ~ Φ 15
400		400	250	20	500	50 ~ 2000	170	3	≤ 3%	Φ 12 ~ Φ 15

配置及平面布置图 / Lay-out



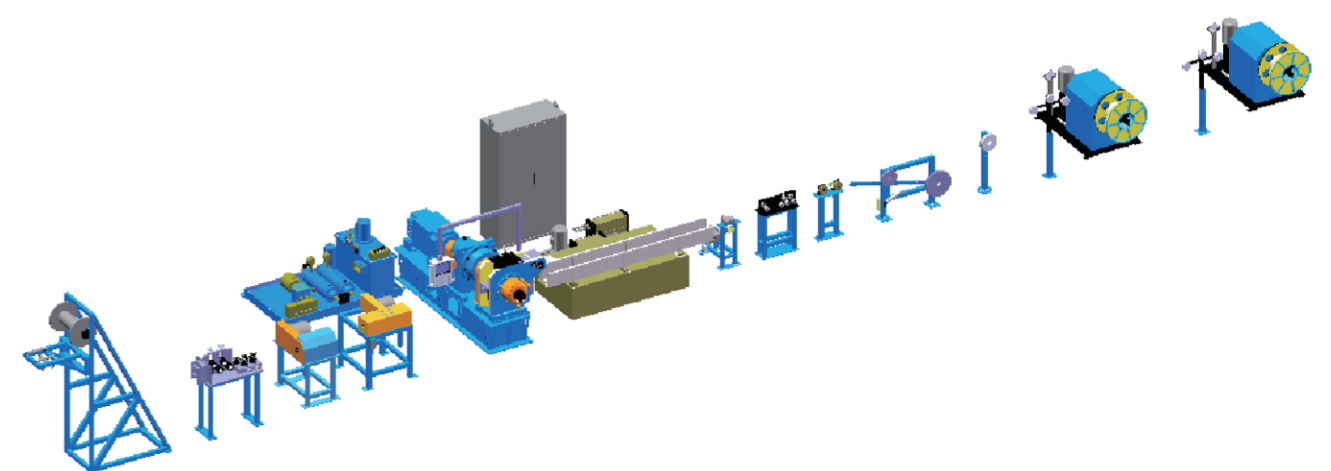
铝管连续挤压生产线 —— For Aluminum Tube >>>



技术参数 / Technical Specification

型号 Type	适用范围 Scope of Product	挤压轮直径 Wheel Diameter (mm)	主电机功率 Motor Power (KW)	最高转速 Max Wheel Speed (rpm)	平均生产能力 Output Capacity (kg/h)	管径 Tube Diameter (mm)	最小管壁厚度 Minimum Thickness (mm)	溢料率 Flash	坯料直径 Input Diameter (mm)
300	AL Wire Product	300	110	20 ~ 30	160 ~ 220	Φ 6 ~ Φ 20	0.4	≤ 1%	Φ 9.5 ~ Φ 12
350		350	200	20	250 ~ 400	Φ 60 ~ Φ 40	0.7	≤ 3%	Φ 12 ~ Φ 15
400		400	250	20	400 ~ 500	Φ 8 ~ Φ 60	2	≤ 5%	Φ 15

配置及平面布置图 / Lay-out



合作企业和优质客户 — Our Clients >>>



合作单位户 — Collaborators >>>



企业荣誉 — Honor >>>

