



湖南翼创智能设备有限公司

Hunan Yichuang Intelligent Technology co.,ltd



**Professional manufacturer of aluminum formwork production equipment
Professional Aluminum formwork solution provider**



About us :

Hunan Yichuang Intelligent Equipment Co., Ltd. (hereinafter referred to as "Yichuang Intelligence") Zhongchuang Haitong Intelligent Equipment Co., Ltd. (hereinafter referred to as "Zhongchuang Haitong")

Hunan Yichuang Intelligence is the overseas marketing company of Zhongchuang Haitong. Zhongchuang Haitong has more than 60 patents in the field of aluminum formwork automatic production equipment, including 9 invention patents. It is the leading enterprise of China's aluminum formwork automatic production line.

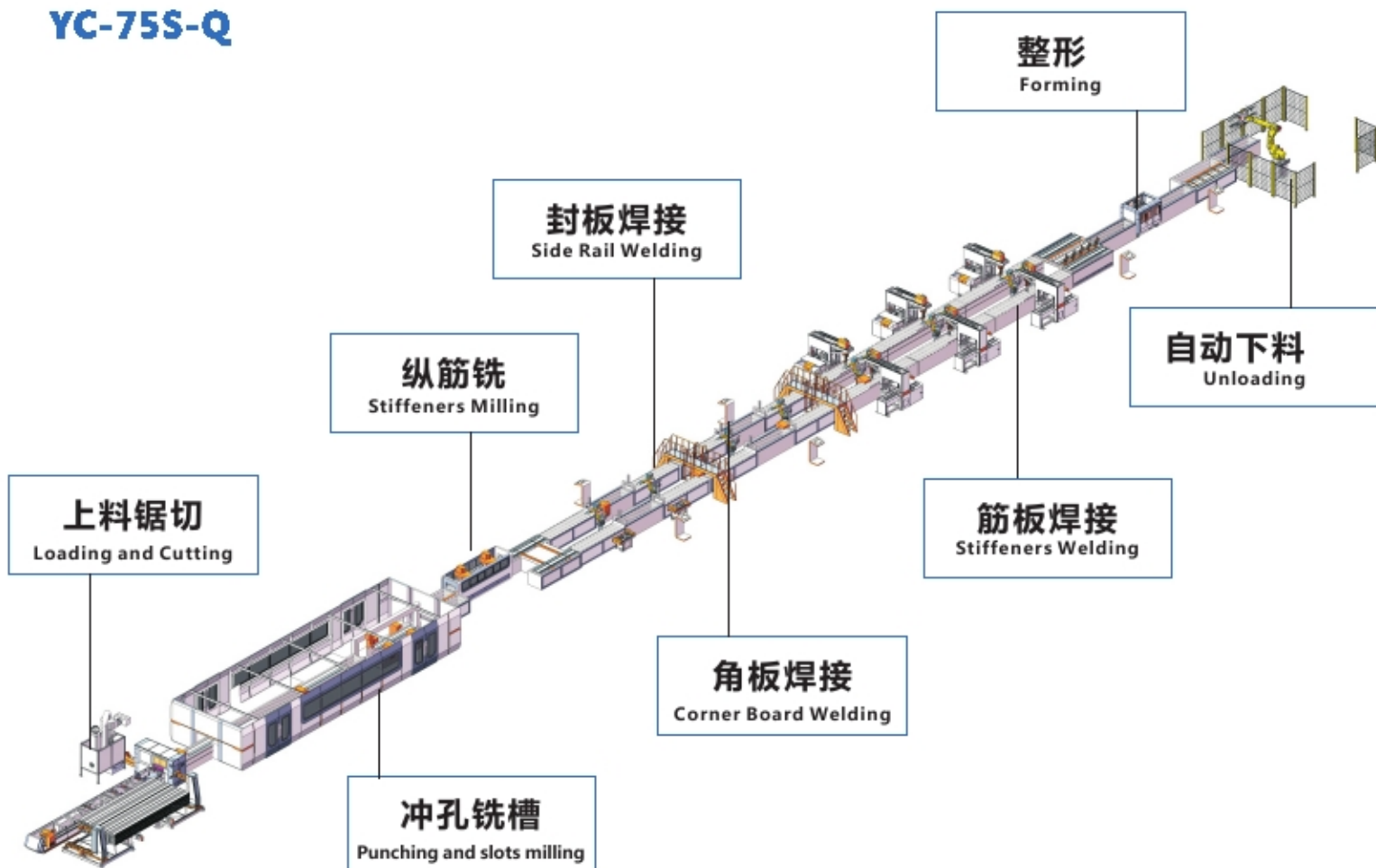
Our third-generation aluminum formwork unmanned intelligent production line is currently the most automated aluminum formwork standard plate production line in China and even in the world. It has 24-hour uninterrupted production, can achieve stable production without human operation, and is compatible with hundreds of types. Product regulations can also switch production with one click and optimize production scheduling. The YCL-2.0 system aluminum formwork independently developed by our company has excellent structure, few pieces, parameterization, high installation efficiency, and good molding quality, reaching the domestic leading level.

Since its establishment, Our company already sold more than 50 automatic aluminum formwork production lines, and its products are sold worldwide. Its main customers include China Aluminum, China Power Construction, China Railway Construction, CBS India, Zhitec Group, Shengtong Group and Hengkefang etc.

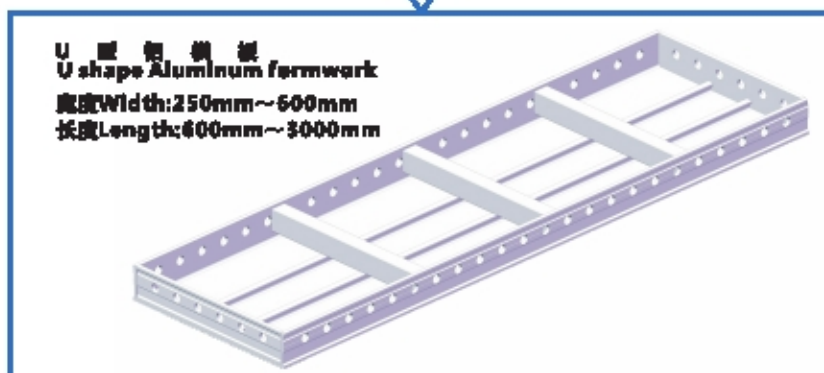
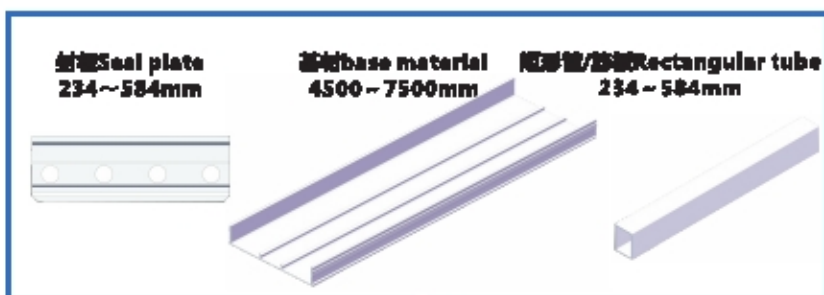
Our patents



YC-75S-Q



产线名称 Production Line Model	YC-75S-Q
生产模板规格 Formwork specification	宽度Width: 250mm ~ 600mm 长度Length: 600mm ~ 3000mm
模板体系 Formwork system	YCL-2.0
生产节拍 Production frequency	≤755/m ²
占地面积 Production area	103m×10m
日产能 (22小时) Daily production capacity (22 hours)	1056m ²
月产能 (22天) Monthly production capacity (22 days)	23232m ²
年产能 (300天) Annual production capacity (300 days)	316800m ²



YC-75S-QA 自动上料锯切机

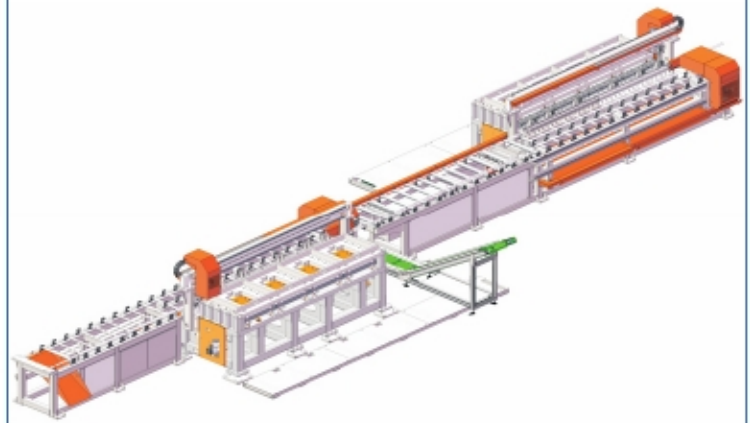
Automatic loading and cutting machine



- Four-axis ground rail grabbing mechanism, Freely programmable
- preparation time: 2-4hrs
- Automatically optimize the layout according to the order, No head or tail material is the best

YC-75S-QB 自动冲孔机

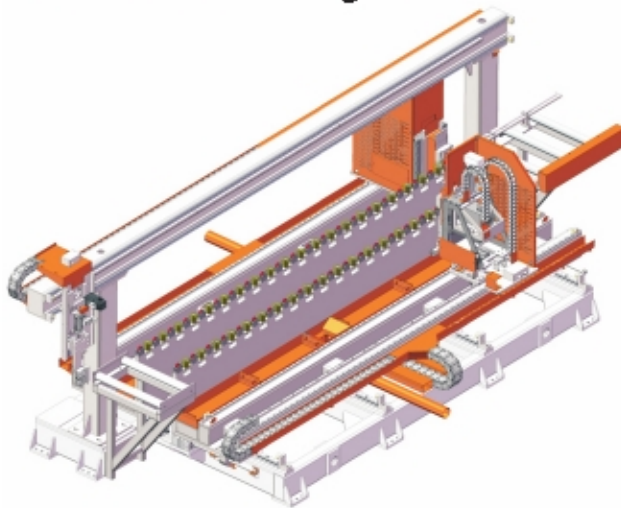
Automatic punching machine



- All template holes are in the same position without deviation
- Aluminum bean recovery rate 99.9%

YC-75S-QC 自动铣槽机

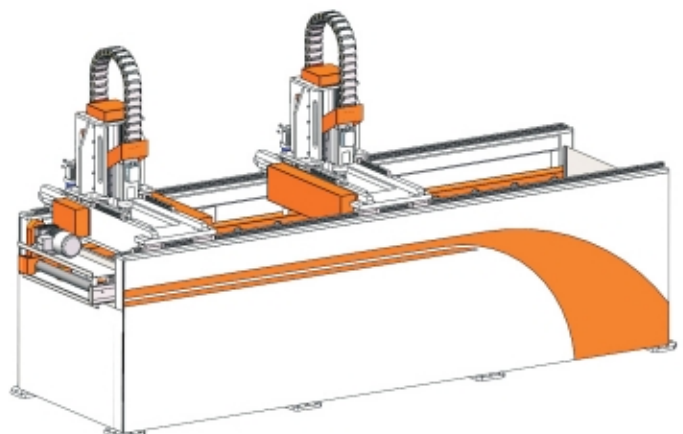
Automatic slot milling machine



- Fully automatic control, quick changeover at one time
- Flexible production, 4 sets of independent power heads for free milling slots
- Double-sided cyclone chip collection, aluminum chip recovery rate is 90%

YC-75S-QD 自动铣筋机

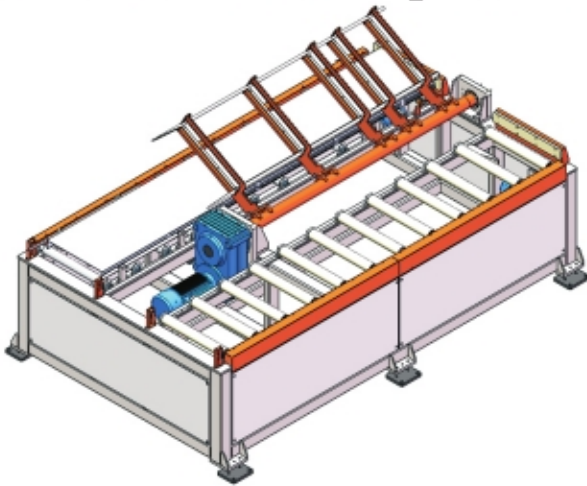
Automatic stiffeners milling machine



- Fully automatic control, quick changeover at one time
- Flexible production, 2 sets of independent power heads
- Aluminum scrap recovery rate 90%

YC-75S-QE 自动翻转机

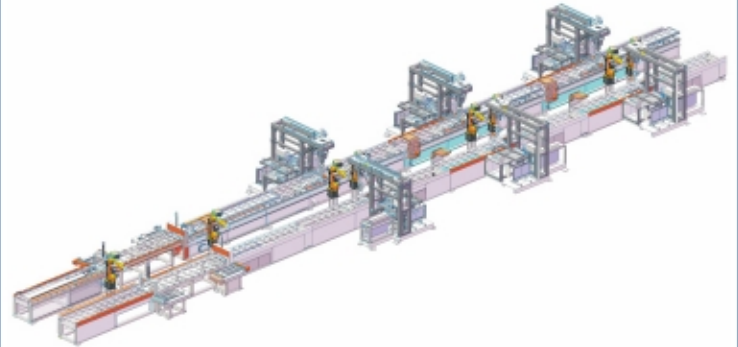
Automatic formwork turning machine



- 180 degree flip
- Automatically detect incoming materials

YC-75S-QF 自动焊接机

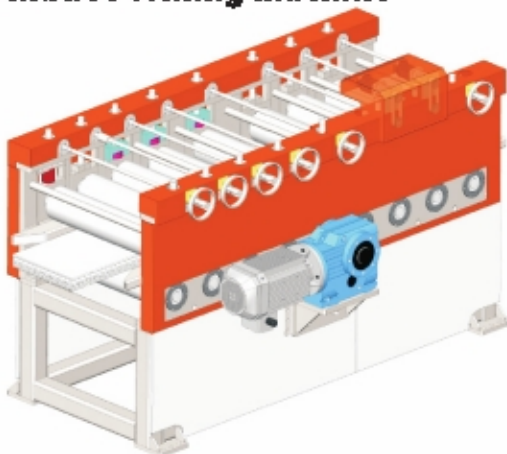
Automatic Welding machine



- Cross welding at two-line division stations, the welding machine usage efficiency is over 95%
- High stability, good quality, failure rate: $\leq 0.08\%$
- Adapt to 24-hour uninterrupted production, high availability Reliability

YC-75S-QG 自动整形机

Automatic Forming machine



- Flexible forming
- Non-equidistant rollers, adaptable to different deformation corrections
- Force sensor + servo motor height adjustment, rapid and flexible shaping, improving accuracy and effectiveness

YC-75S-QH 自动拉毛机

Automatic grinding machine



- Suitable for U-shaped aluminum formwork of various widths 250-500mm
- Use for grinding new formwork and used formwork

产品优势 Product advantage

Automatic Aluminum Formwork production line advantage

Daily comparison of 1000sqm standard aluminum formwork labor costs (excluding managers)					
Traditional manual production			Automatic production equipment		
Production processes	Equipment/Quantity	Number of labor	Production processes	load	Number of labor
Cutting	Cutter/4 sets (standby 1 set)	15	Stiffeners cutting	<2400pcs	5
Punching	Punching/3 sets (2 big 1 small)	13	Side rail punching	<1600pcs	
Stiffeners Milling	Stiffeners Milling/1	5	Cutting ,punching and milling	Equipment mantaince and operation	5
Slots Milling	Slots Milling machine/1 set	10	Welding and unloading	Loading equipment operation	
Welding	welding machine/14 sets	33	Material transfer	Material transfer	2
Forming	Forming machine/1 unit	5	/	/	/
Grinding	Grinding Machine/1	3			
Material transfer	Material transfer	8			
Total amount to		92	Total amount		12

Note: The data is based on the customer's existing production equipment and the actual production situation in the past month. There may be some discrepancies with the production capacity and is for reference only.

Aluminum Formwork advantage

	Aluminum formwork	Plastic formwork	Wood formwork
Turnover times	200-300 times	50 times	5 times
Recovery of residual value	90%	30%	5%
Weight/sqm	23kg/m ²	10kg	8-10kg
surface treatment	Release agent	Release agent	Oil or Release agent
Construction effect	No plastering, clean water effect	clean water effect	The surface is rough and needs plastering
Flatness	Good	High deformation, waste of molding and painting	bad
Exploded mold, missing mold	No	No	Yes
recyclability	High	Middle	Low

Other advantage



unmanned factory at night



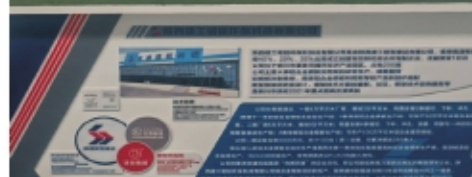
unmanned factory at daytime

合作伙伴 Our partners

ChinaLco Group Automatic Aluminum formwork production line



Shangjiang Group Automatic Aluminum formwork production line



Henan HongxingHua Automatic Aluminum formwork production line



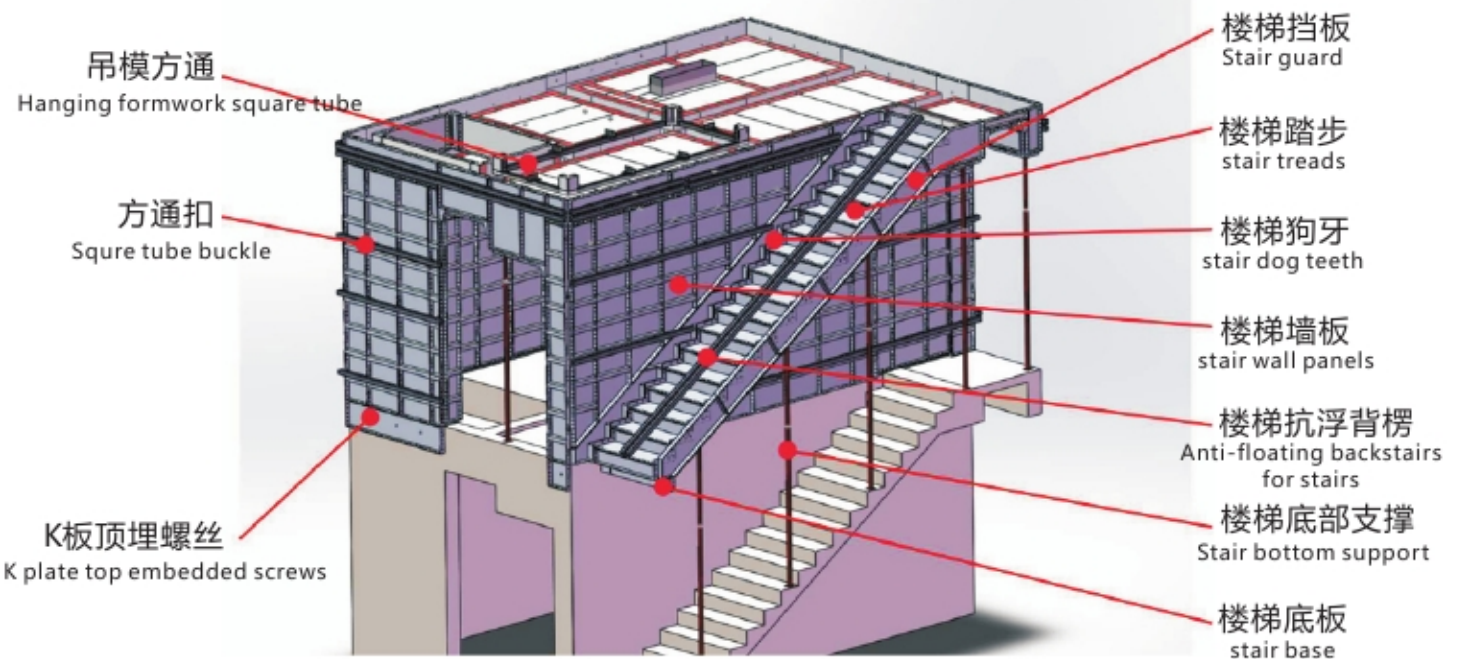
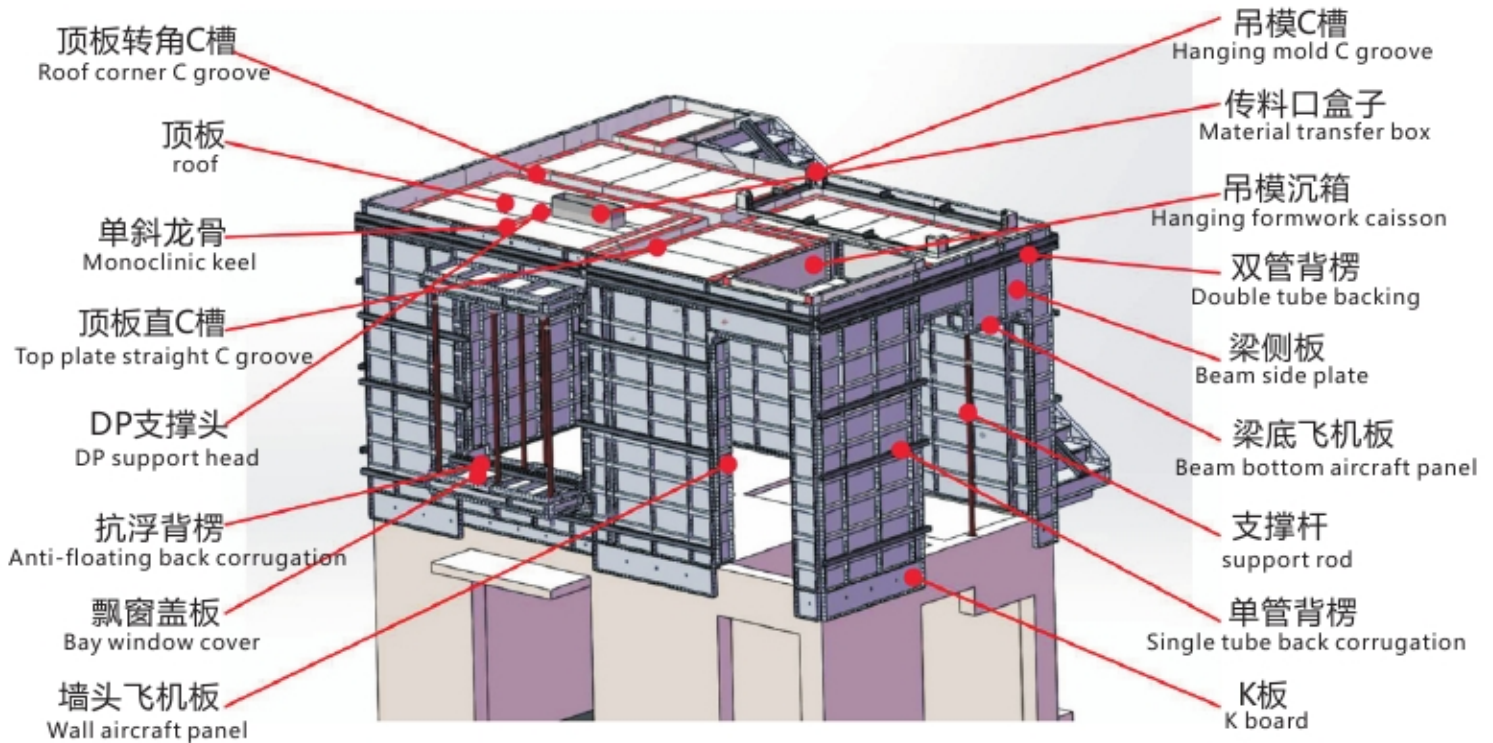
Guangdong Nanhai Group Automatic Aluminum formwork production line

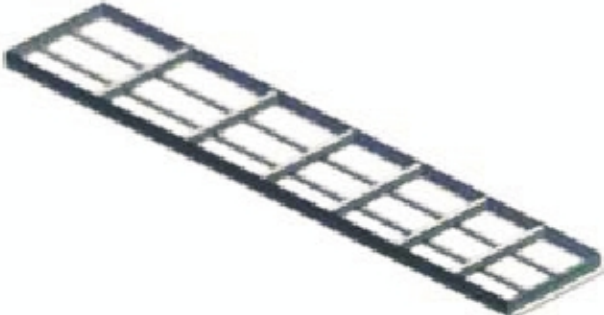





Hunan Hengke Automatic Aluminum formwork production line



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Name	Type	Kg/per meter	Size (mm)	Name	Type	Kg/per meter	Size (mm)
Wall panel	500U	8.7	500*2700	Normal panel	500U	8.7	500*1100
Use for wall parts				Use for wall parts			
							
Name	Type	Kg/per meter	Size (mm)	Name	Type	Kg/per meter	Size (mm)
C Slot	150C	6.8	150*150*2100	bottom cage	DT/DL	3.86/3.47	100*950
Use for Internal angle parts				Use for early removal beams of the floor part			
							
Name	Type	Kg/per meter	Size (mm)	Name	Type	Kg/per meter	Size (mm)
Fixed top	GD	1.43	100*250	tongue and groove panel	DT/DL	3.86/3.47	100*950
Use for aluminum formwork support of the floor part or the beam part				Use for tongue and groove forming of the window or bay window			
							

Name	Weight (Kg)	Material Model	Name	Weight (Kg)	Material Model
pull tab	0.11	50Mn	Diagonal brace	1.7	Q235
Use for withstand the lateral pressure of concrete to ensure construction safety and quality			Use for wall bottom alignment positioning of wall formwork		
					
Name	Weight (Kg)	Material Model	Name	Weight (Kg)	Material Model
Square buckle	0.52	Q235	K plate embedded sleeve	0.016	PP
Use for Square Installation of wall parts			Use for outside wall K-boards stabilization and prevent K-boards from loosening		
					
Name	Weight (Kg)	Material Model	Name	Weight (Kg)	Material Model
single top	12.6	Q235	pin lock	0.09	Q235
Use for floors, beams and stairs to bear vertical loads			Use for fastening connection of formwork		
					

Name	Size (mm)	Material Model	Name	Size (mm)	Material Model
Square tube	50*50*3 square tube	Q235	Double tube backing	50*50*3 square tube	Q235
Use for wall parts ,Improve wall flatness			Use for wall parts ,Improve wall flatness		
					
Name	Size (mm)	Material Model	Name	Size (mm)	Material Model
K board back	60*40*2.5 square tube	Q235	Hanger	63*63*6 angle iron	Q235
Use for outside wall parts ,Prevent the K plate from tilting out, causing misalignment			Use for hanging formwork parts to stabilize settlement formwork		
					
Name	Size (mm)		Material Model		
Settling square steel	50*50*2.5 square tube/ 63*63*6 angle iron		Q235		
Use for settlements where the height of the hanging formwork is less than 100mm					
					



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