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Whats app code

CONCRETE BLOCK MAKING MACHINE
WE DELIVER CONCRETE PROMISE

COMPANY PROFILE

Fujian Vinking Machinery Co.,Ltd is located in Quanzhou, the first Culture City of East Asia. We are committed to forming, curing and packaging high end concrete product. we have gathered the latest technology and productivity from home and abroad to provide customers with best solutions.

With expertise, we are committed to creating value for our customers and users. In the era of intelligent manufacturing, we are committed to providing more professional, more efficient and more economical modern automatic solutions for our customers and users around the world. We have heat treatment workshop, CNC workshop, laser cutting workshop, robot welding workshop, polishing workshop, wire cutting workshop, painting workshop, assembly workshop, commissioning workshop, warehouse, etc.

With an open and win-win attitude, we have worked with many partners around the world to build a smart ecosystem, drive technological breakthroughs and innovations in concrete industry.

Quanzhou, as the starting point of the Maritime Silk Road, is also where Vinking to start.



PRODUCTION WORKSHOP



Laser Cutting Workshop



CNC Processing Workshop



Heat Treatment Workshop



Wire Cutting Workshop



CNC Workshop



Electrical Control Workshop



Assembly Workshop



Commissioning Workshop



◀ 6 CORE TECHNOLOGY

01 MAIN FRAME ADOPT GERMANY STANDARD

Main frame adopt Germany standard 150x150x10mm high-load square tube structure, which makes the main machine more thicker and more longer life time. It perfectly matches the basic requirements of high vibration force, fast feeding and longer life time.



02 EFFICIENT VIBRATION TECHNOLOGY

Digesting and absorbing Germany advanced frequency vibration technology, the vibrating table is composed of two parts: a dynamic table and a static table. According to the different customer's standard, the dynamic and static tables are adjustable and controllable. Through instant acceleration and deceleration, without frequent start and stop, it can efficiently transmit vibration force. The concrete products cycle time is shorter and the density is higher. The vibration table adopts Siemens vibration motor and is equipped with a synchronizing device, which not only provide a strong vibration force, but also vibrates more even. The product not only has high strength, but also has a more uniform block height. In addition, according to different customers requirement, it can be equipped with Vinking's proprietary vibration technology servo motor vibration.



03 FAST FEEDING CAR

Using 360°fasting feeding system, the feeding time is shorter. At the same time, the mixing blade adopts a bolt system, which is easy to replace and do the maintenance. Pneumatic scraping in front of feeding car made feeding more cleaned. The feeding movement adopts encoder control, which make complete feeding more smooth and more accurate.

04 INTELLIGENT FREQUENCY CONVERSION TECHNOLOGY

Using Vinking's proprietary intelligent frequency conversion technology, the vibration adopts low-frequency standby and high-frequency production, which improves the cycle time and product quality. At the same time, it reduces the impact on mechanical system, then extend the life time of complete machinery. According to different customer's requirements, the frequency conversion is adjustable and controllable, and the frequency can be adjusted quickly to improve efficiency. The touch screen integrates remote modules for human-computer interaction.



05 SIEMENS CONTROL SYSTEM

The whole control system adopts Siemens PLC, Siemens contactors, relays, etc., which greatly improves the stability and life time of the control system.





06 SERVO HYDRAULIC SYSTEM

The hydraulic system is driven by servo motor and servo pump, which has fast response speed and more precise movement. Taiwan Yuken hydraulic valve and Italian hydraulic oil pipe make complete hydraulic system more stable. All movement are independently controlled by separately valves, so the running speed is faster, smoother, more efficient and more intelligent.



◀ VK1200 | AUTOMATIC BLOCK MAKING MACHINE







Technical Parameters		Production Capacity			
Vibration Frequency	0~60(Hz)	Block Type	Size	PCS/ Mould	Pcs/8 hours
Weight	16,000(kg)	Hollow	 400×200×200	12	14,400~17,280
Size	11,500 × 4,550 × 2,800(mm)	Hollow	 240×115×90	30	36,000~43,200
Power	60.25(kW)	Brick	 240×115×53	65	78,000~93,600
Cycle Time	15~23(s)	Paver	 200×100×60	42	50,400~60,480
Pressure	35.5(MPa)				
Vibration Force	120(kN)				
Pallet Size	1,350 × 900(mm)				
Forming Method	Vibration Press				

*The capacity data are theoretical and depend on machine setting, mix design, aggregate used and other environmental conditions.

◀ VK900 | AUTOMATIC BLOCK MAKING MACHINE



Technical Parameters		Production Capacity			
Vibration Frequency	0~60(Hz)	Block Type	Size	PCS/ Mould	Pcs/8 hours
Weight	14,500(kg)	Hollow	 400×200×200	9	10,800~12,960
Size	11,500 × 4,050 × 2,800(mm)	Hollow	 240×115×90	25	30,000~36,000
Power	48.9(kW)	Brick	 240×115×53	50	60,000~72,000
Cycle Time	15~23(s)	Paver	 200×100×60	36	43,200~51,840
Pressure	31.5(MPa)				
Vibration Force	105(kN)				
Pallet Size	1,350×720(mm)				
Forming Method	Vibration Press				

*The capacity data are theoretical and depend on machine setting, mix design, aggregate used and other environmental conditions.

◀ VK600 | AUTOMATIC BLOCK MAKING MACHINE



Technical Parameters	
Vibration Frequency	0~60(Hz)
Weight	11,000(kg)
Size	9,450 × 3,300 × 2,700(mm)
Power	34.4(kW)
Cycle Time	15~23(s)
Pressure	25(MPa)
Vibration Force	68(kN)
Pallet Size	850 × 680(mm)
Forming Method	Vibration Press

Production Capacity				
Block Type	Size	PCS/ Mould	Pcs/8 hours	
Hollow	400×200×200	6	7,200~8,640	
Hollow	240×115×90	18	21,600~25,920	
Brick	240×115×53	30	36,000~43,200	
Paver	200×100×60	21	25,200~30,240	

*The capacity data are theoretical and depend on machine setting, mix design, aggregate used and other environmental conditions.

◀ BATCHING AND MIXING PLANT



Weighing Sensor
(USA METTLER TOLEDO)
Guarantee the weighing accuracy:
Tolerance : +/-1%

Vibrator
(Italy Oli-Wolong)
More efficient



Hopper:
5mm Thickness
Steel Plate

H-Beam Support

Belt Roller Motor:GUOMAO



Weighing Indicator
Storage +20 recipe

Air Cylinder
(Taiwan Air Tack)
Smart and Accurate Movement

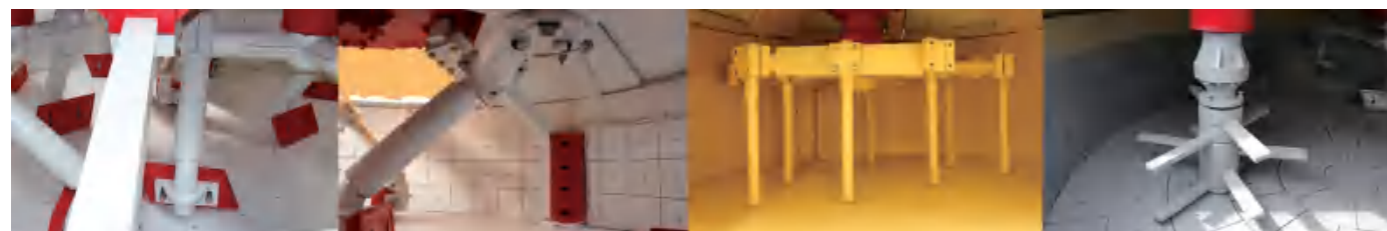


TECHNICAL PARAMETERS

Item	Type	PL800	PL1200	PL1800
Weighing Capacity		0.8m³	1.2m³	1.8m³
Storage Capacity		2x4m³	3x4m³	3x6m³
Production Capacity		48m³/h	72m³/h	108m³/h
Accuracy		±2%	±2%	±2%
Max Weighing		1,500kg	2,000kg	2,500kg
Raw Material Type		2	3	3
Loading Height		2,750mm	2,750mm	2,750mm
Weighing Type		Electronic	Electronic	Electronic
Power		5.5kW	7.5kW	11kW
Weight		2,250kg	3,760kg	4,820kg
Size (LxWxH)		6,040x2,200x2,380mm	8,750x2,200x2,380mm	9,600x2,090x2,950mm

*The capacity data are theoretical and depend on machine setting, mix design, aggregate used and other environmental conditions.

PLANETARY MIXER



TECHNICAL PARAMETERS

Item \ Type	CMP330	CMP500	CMP750	CMP1000	CMP1500	CMP2000	CMP2500
Output(L)	330	500	750	1,000	1,500	2,000	2,500
Input(L)	500	750	1,125	1,500	2,250	3,000	3,750
Output Weight(kg)	800	1,200	1,800	2,400	3,600	4,800	6,000
Mixing Power(kW)	15	18.5	30	37	55	75	90
Discharging Gate(kW)	Pneumatic Discharge (Optional Hydraulic Discharge)			3	3	4	4
Planetary/Mixing Blade(nr)	1/2	1/2	1/3	2/4	2/4	3/6	3/6
Side Scraper(nr)	1	1	1	1	1	1	1
Discharging Scraper(nr)	1	1	1	1	1	2	2
Weight(kg)	2,000	2,400	3,900	6,200	7,700	9,500	11,000
Skip(kW)	4	4	7.5	11	15	22	30
Dimension (LxWxH.mm)	1,870x1,870x1,855	2,230x2,080x1,880	2,580x2,340x2,195	2,890x2,602x2,220	3,230x2,902x2,470	3,625x3,230x2,630	3,900x3,550x2,695

*The capacity data are theoretical and depend on machine setting, mix design, aggregate used and other environmental conditions.

OTHER MIXER



Planetary Mixer JN350

Twin-Shaft Mixer JS500

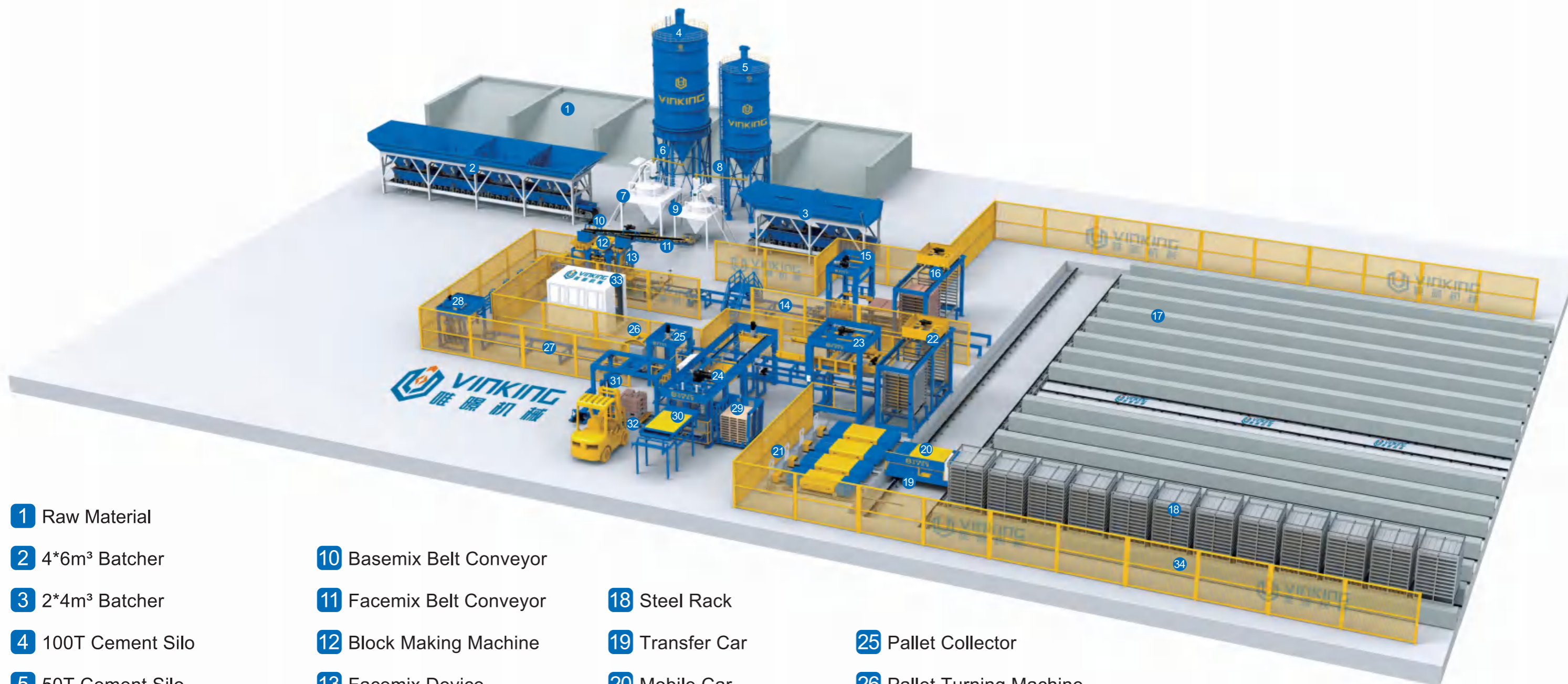
Twin-Shaft Mixer JS750

TECHNICAL PARAMETERS

Item \ Type	JN350	JS500	JS750	
Output(L)	350	500	750	
Input(L)	550	750	1,150	
Capacity(m³/h)	21	30	45	
Max Stone(mm)	≤30	≤30	≤30	
Cycle Time(s)	100	100	100	
Weight(kg)	3,500	4,000	5,500	
Size(mm)	Length	3,722	4,460	5,025
	Width	1,370	3,050	3,100
	Height	3,630	2,680	5,680
Mixing Blade	RPM(r/min)	106	31	31
	No.	1x3	2x7	2x7
Mixing(kW)	7.5	18.5	30	
Skip(kW)	4	5.5	7.5	
Water Pump(kW)	1.1	2.2	2.2	

*The capacity data are theoretical and depend on machine setting, mix design, aggregate used and other environmental conditions.

◀ **VINKING RGV FULLY AUTOMATIC PRODUCTION LINE**

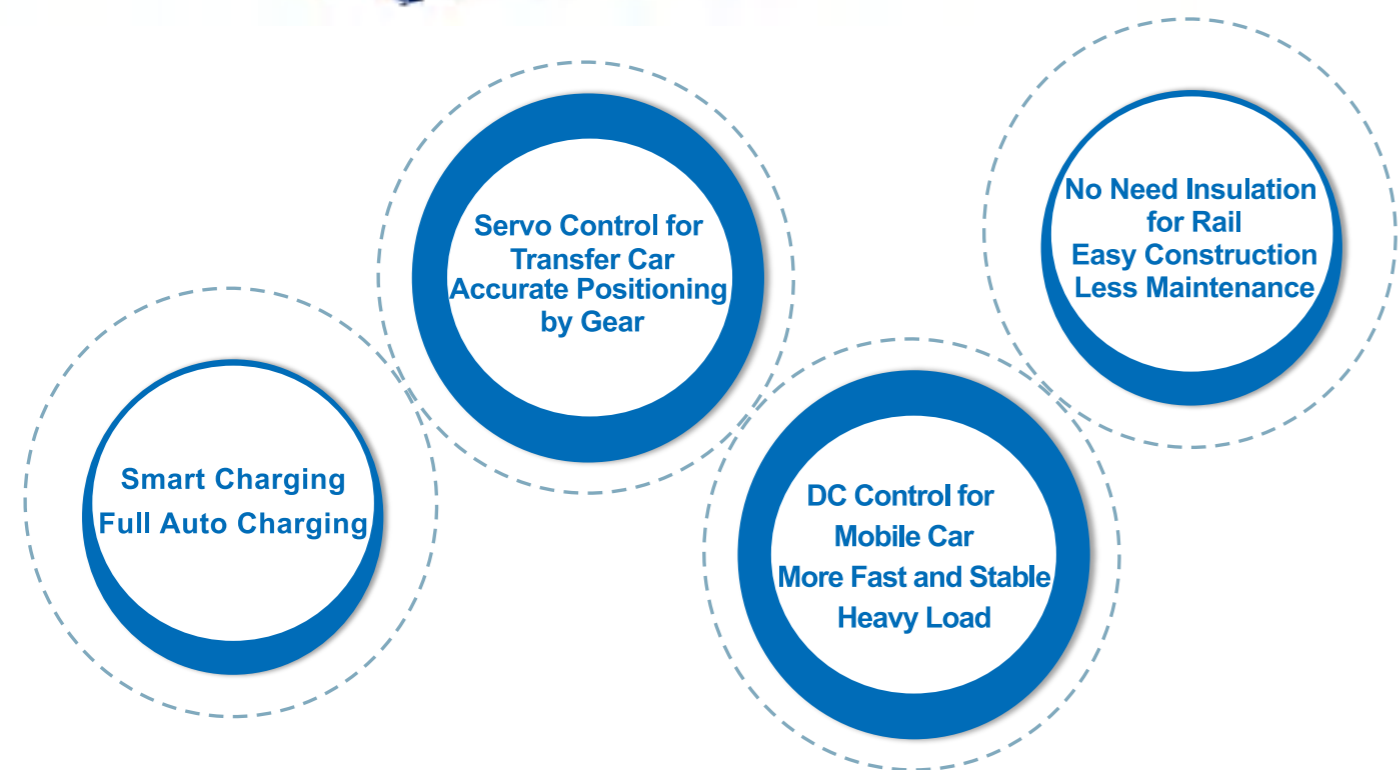


- | | | |
|------------------------------------|---------------------------------|--|
| 1 Raw Material | 10 Basemix Belt Conveyor | 18 Steel Rack |
| 2 4*6m ³ Batcher | 11 Facemix Belt Conveyor | 19 Transfer Car |
| 3 2*4m ³ Batcher | 12 Block Making Machine | 20 Mobile Car |
| 4 100T Cement Silo | 13 Facemix Device | 21 Charging Station |
| 5 50T Cement Silo | 14 Wet Side | 22 Steel Rack Cuber |
| 6 Screw Conveyor | 15 Elevator | 23 Lowerator |
| 7 MP1000 Planetary Mixer | 16 Steel Rack Cuber | 24 Main Cuber |
| 8 Screw Conveyor | 17 Curing Chamber | 25 Pallet Collector |
| 9 MP330 Planetary Mixer | | 26 Pallet Turning Machine |
| | | 27 Pallet Conveyor |
| | | 28 Automatic Pallet Feeding Machine |
| | | 29 Shipping Pallet Magazine |
| | | 30 Laminating Machine |
| | | 31 Wrapping Machine |
| | | 32 Finished Product Conveyor |
| | | 33 Control Room |
| | | 34 Safety Fence |

◀ CORE TECHNOLOGY

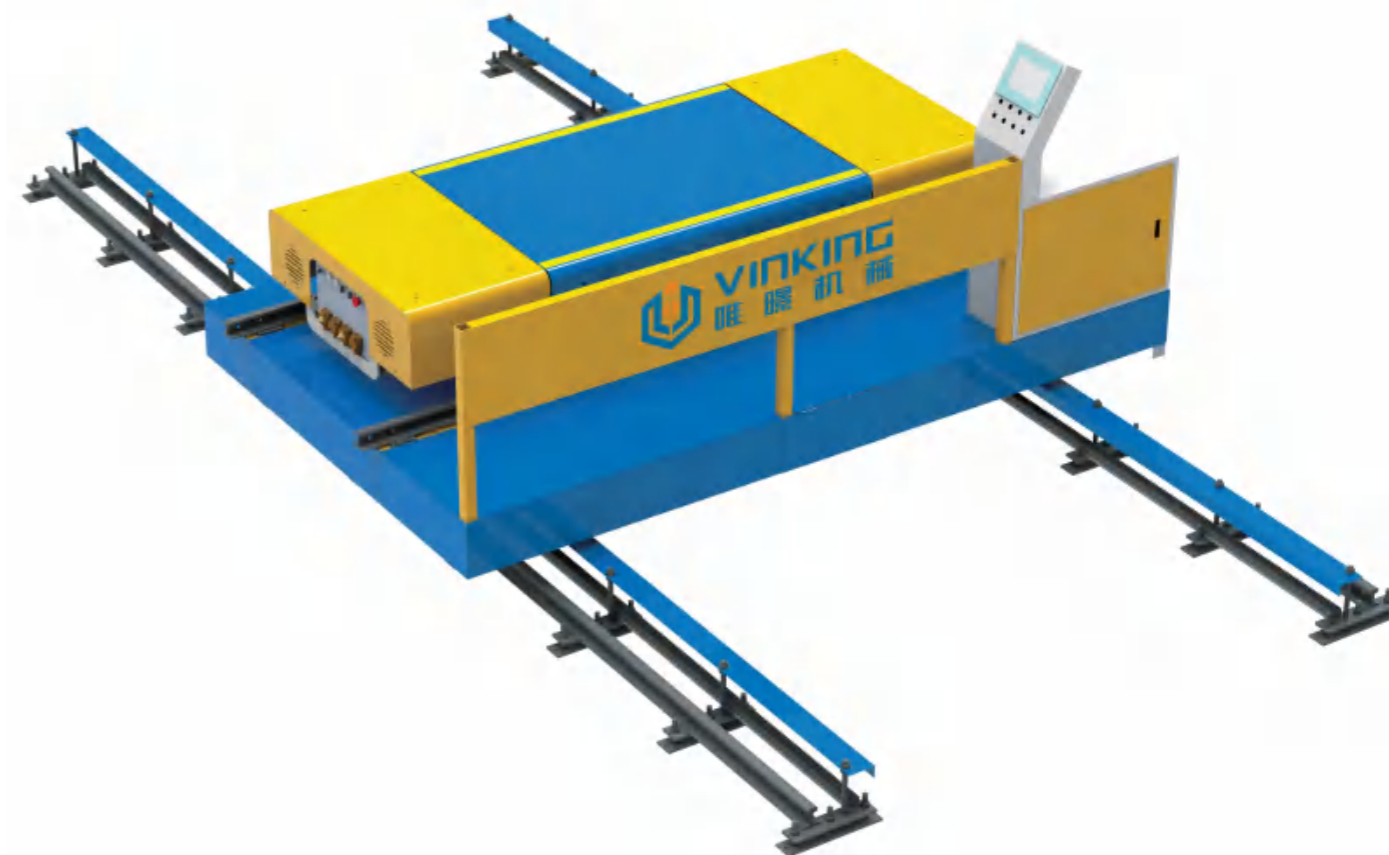
Technical Spec.

Transfer	SERVO Driven
Power	2 kW
Transfer Car Speed	37 m/min
Mobile Car Speed	23 m/min
Max Load	5 t
Work Hours of Full Battery	8 h
Recharging Time	2.5-3 h



◀ MOBILE CAR

—Wireless Technology With Lithium Battery



Stability

Transfer car adopt servo motor drive
Gear positioning
More stable and accurate

Save Power

Mobile car running by battery
Less power no fuel

Low Maintenance Cost

Complete system fully automatic
Flexible and packing size from 1~1.2 m

Smart System

Each layer can be 90° rotation
Forklift hole can be left

◀ OFFLINE CUBING SYSTEM



- No Shipping Pallet
- Forklift Hole
- Auto Cubing With Rotation
- Less Damage Rate



- Laser Position
- Flexible Pallet Size
- Frequency Control
- Stable Cubing
- Servo Motor



▲ Rotation Table ▲ Push Conveyor ▲ Lift Conveyor



▲ Control Panel ▲ Left & Right Clips ▲ Push Conveyor

Customer's Site 1



Customer's Site 2



ACCESSORY DEVICE



▲ Automatic Pallet Feeding Device



▲ Water Curing Lifting Device



▲ Strength Testing Machine



▲ Four & Two Side Clamp With & Without Rotation



▲ GMT Pallet With & Without Steel Reinforcement (Galvanized Steel)

Longer Lifetime

Higher Cost Performance

Lower Flexure

Higher Cost Efficiency

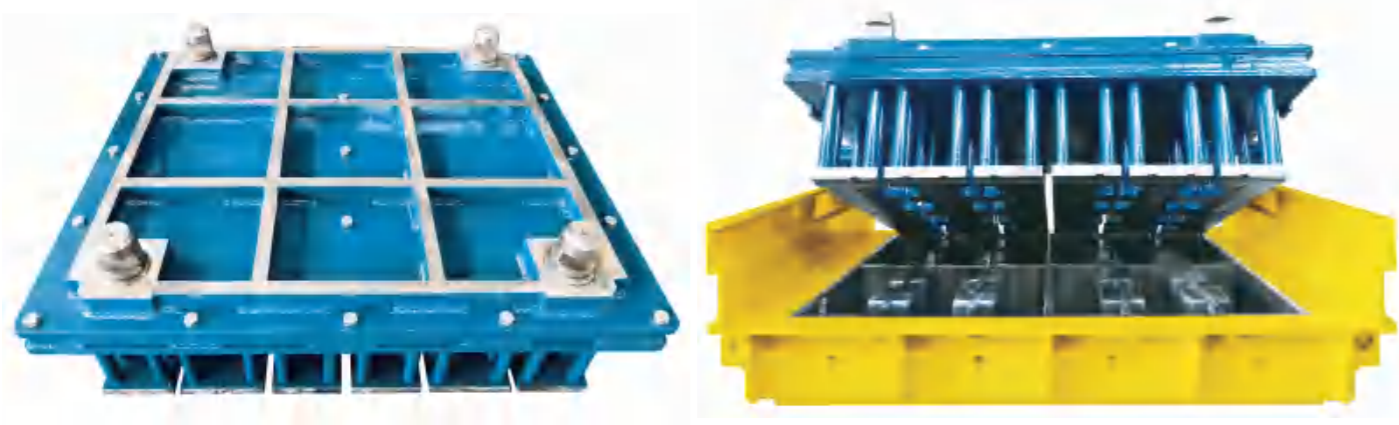
Less Weight

Higher Resistance To Impact

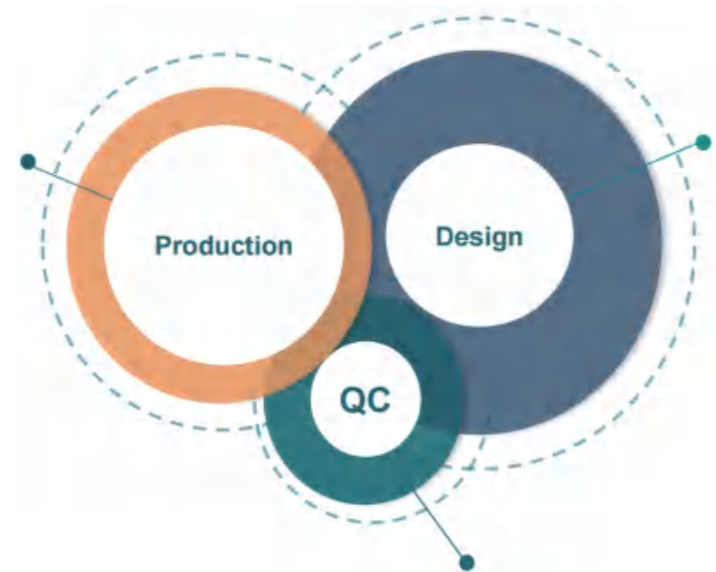
TECHNICAL SPECIFICATION

Item	Specification	Standard Value	Unit
Size	Board Warpage (Plate length≤1500mm)	≤5	mm
	Allowable Thickness Tolerance	±1.5	mm
	Allowable Tolerances for Length and Width	±10	mm
Load	Normal Temperature Uniform Loading 200kg/m ²	≤10	mm
Physical and Chemical Property	Water Absorption Rate	≤0.5	%
	Surface Hardness	≥60	HD
	Bending Strength	≥25	MPa
	Number of Bending Elastic Moulds	≥2.0	Gpa

◀ **VINKING MOULD**

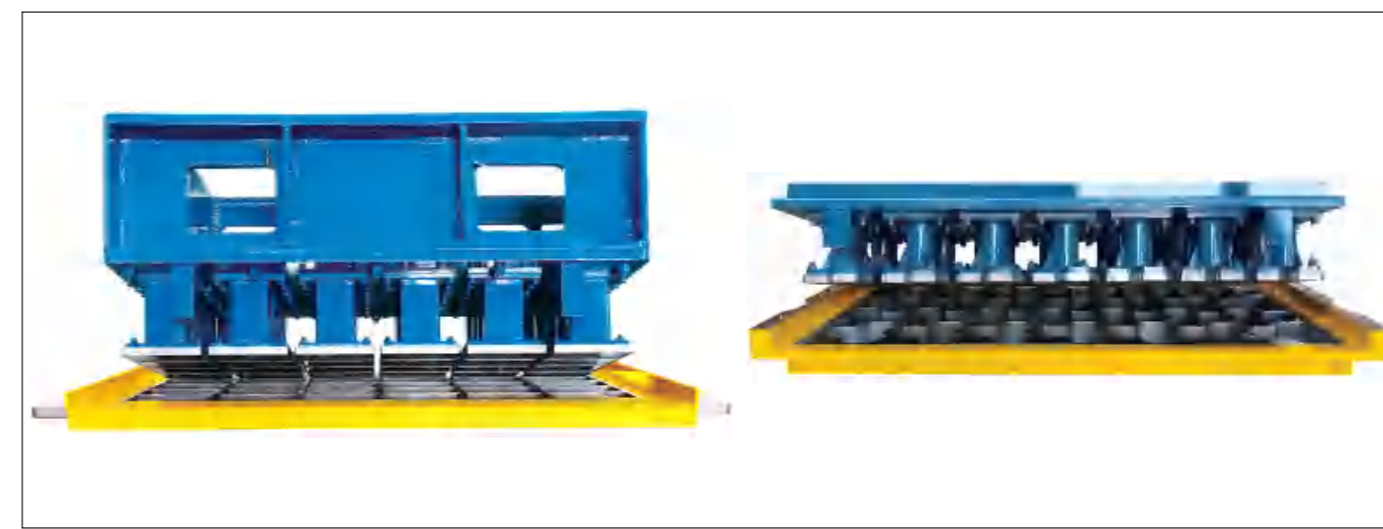
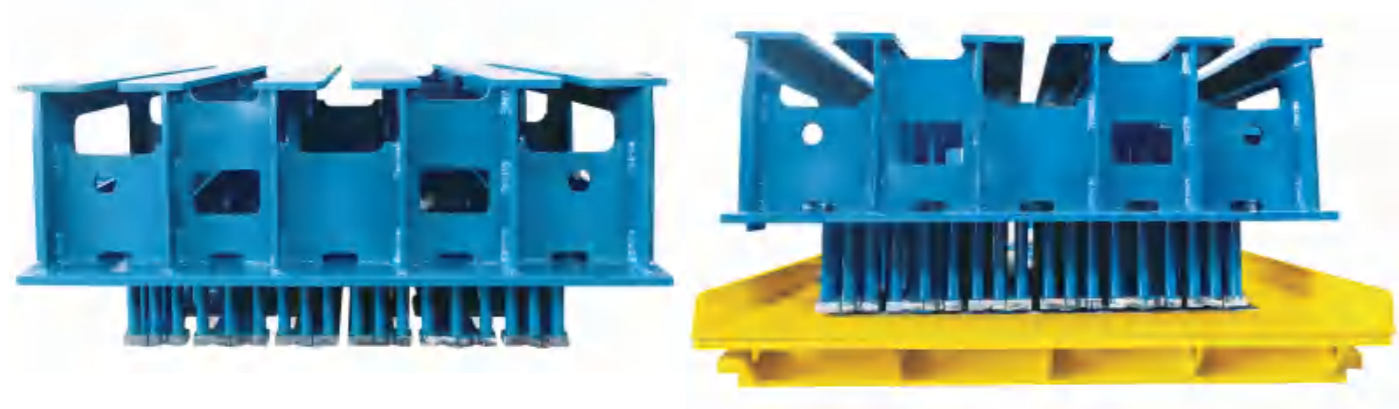


Processing
Assembling
Heat treatment
Welding
Matching
Painting
Packing



Determining the product
Confirming mould drawing
Preparing the material

Quality inspection of work-in-process
Quality inspection of finish product



◀ **BLOCK SAMPLE**

Unit: mm

VK01 400X200X200 390X190X190	VK02 400X150X200 390X140X190	VK03 400X100X200 390X90X190	VK04 390X240X190	VK05 390X240X190	VK06 390X190X190	VK07 240X115X90	VK08 390X120X190	VK09 240X240X90	VK10 240X180X90	VK11 240X180X90	VK12 390X190X190
VK13 240X115X90	VK14 240X115X90	VK15 190X190X190	VK16 190X190X190	VK17 190X90X190	VK18 190X90X90	VK19 180X115X90	VK20 240X115X53	VK21 190X90X190	VK22 190X90X190	VK23 240X180X90	VK24 240X190X115
VK25 200X100X60	VK26 250X250X60	VK27 225X112.5X60	VK28 200X100X60	VK29 250X150X60	VK30 400X400X60	VK31 228X138X60	VK32 250X250X60	VK33 210X100X60	VK34 400X200X200	VK35 400X200X200	VK36 400X240X200
H1 530X150X200	H2 530X200X200	H3 530X150X200	H4 530X200X200	C1 400X400	C2 400X400	C3 400X400	C4 400X200	B8 1000X300X120	B9 100X220X200	B11 500X500X120	B12 1000X350X120

◀ **PRODUCT APPLICATION**

