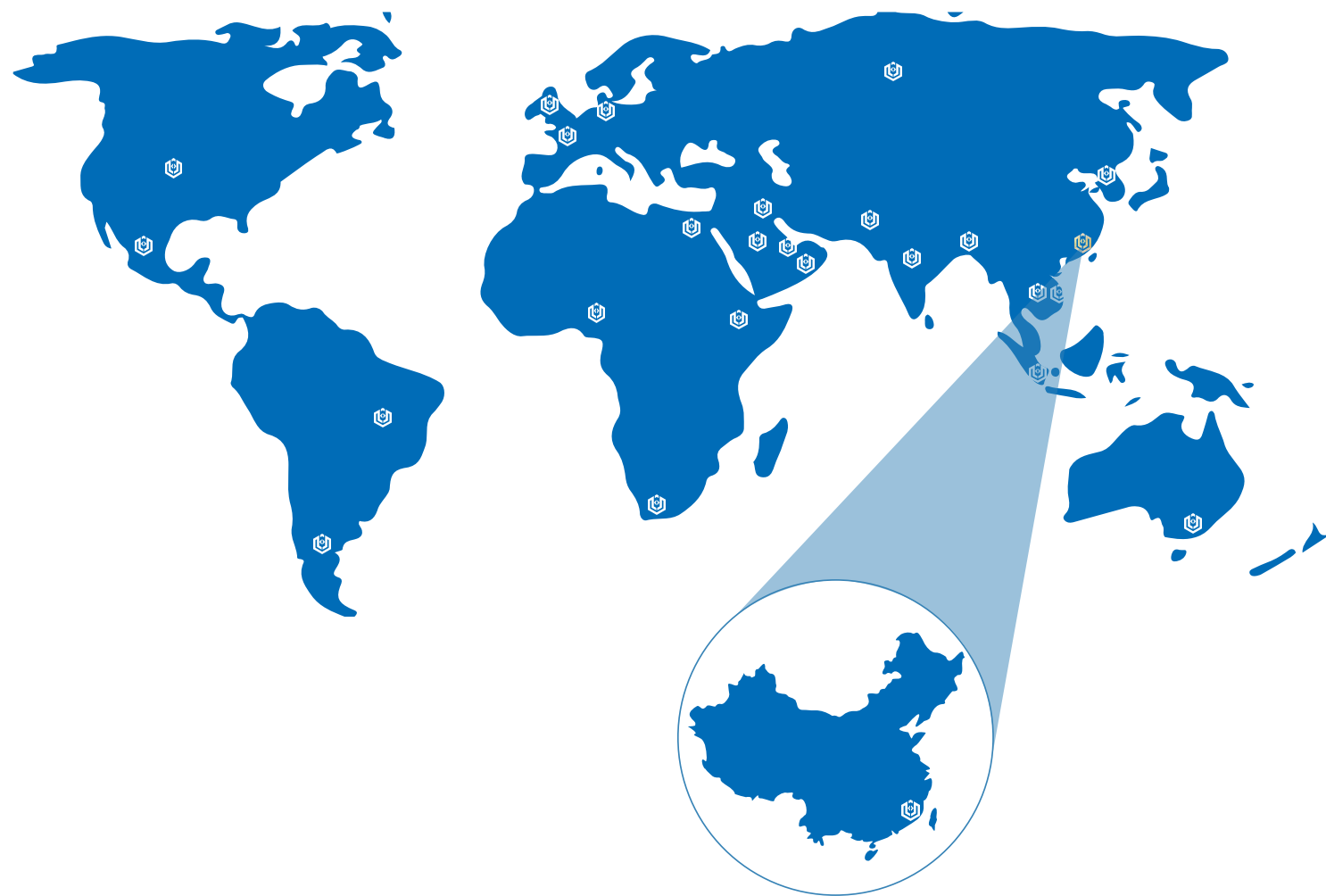




Fujian Vinking Machinery Co., Ltd

+86 136 7590 9717

+86 595 8679 9877

+86 595 8676 6877

vinking@vkmachine.com

www.vkmachine.com

No. 17 Binjiang Rd., Binjiang Industrial Zone, Nan'an, Quanzhou, Fujian, China



Whats app code



CONCRETE BLOCK MAKING MACHINE
WE DELIVER CONCRETE PROMISE

COMPANY PROFILE

Fujian Vinking Machinery Co., Ltd is located in Quanzhou, China, famous as the first selected Culture City of East Asia.

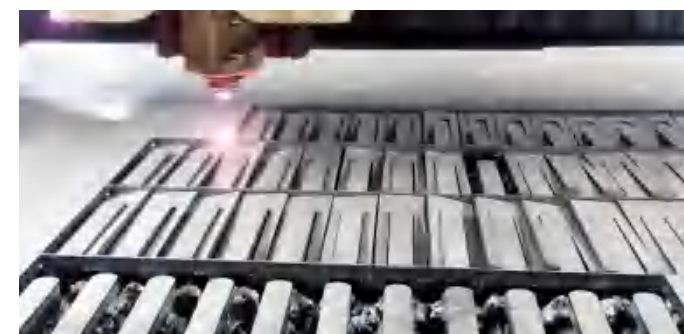
With more than 15 years experience in concrete industry, Vinking focuses on manufacturing block making machine, surface treatment machine, mobile vibro casting machine, moulds etc.

Vinking is committed to providing more professional, more efficient and more economical modern automatic solutions for our customers and users from around the world.

We delivery concrete promise.



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 adopts Germany standard 150x150x12mm 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

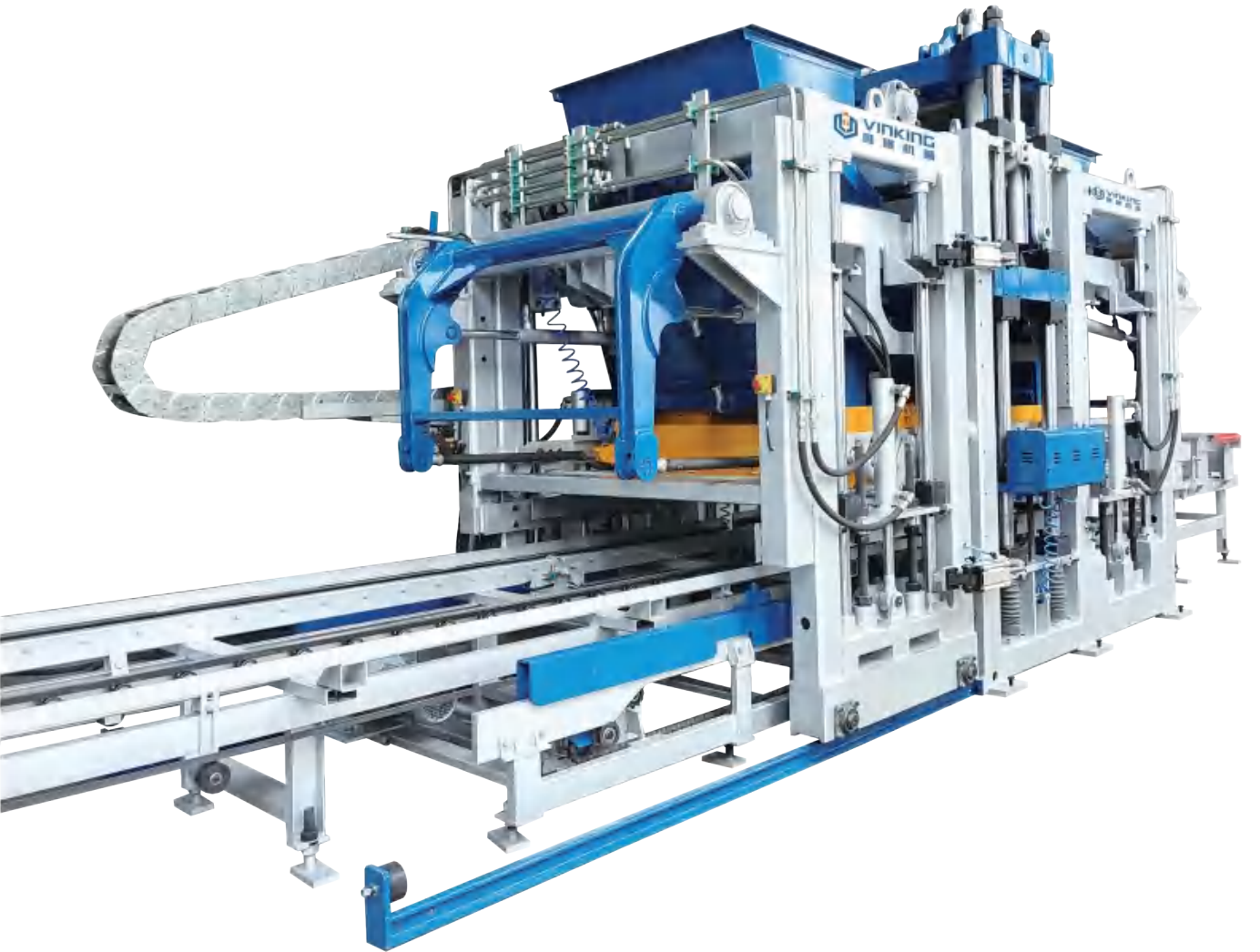
The whole control system adopts Siemens PLC, Siemens contactors, relays, etc., which greatly improves the stability and life time of the control system.

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.



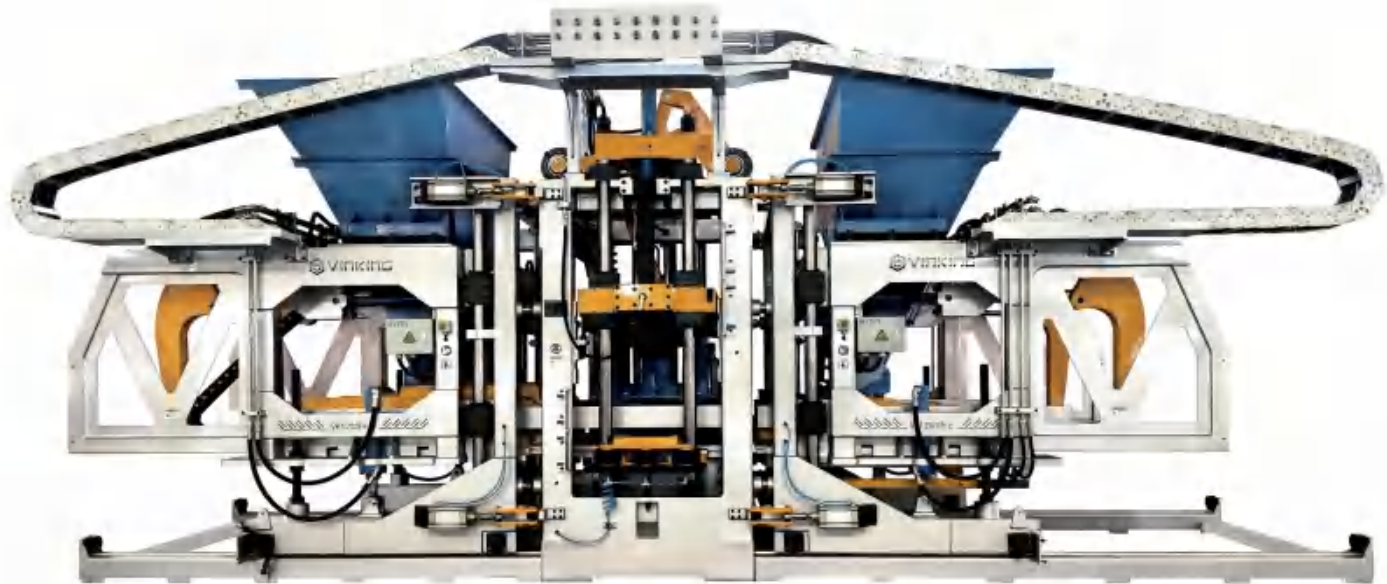
◀ VK900Pro | AUTOMATIC BLOCK MAKING MACHINE



Technical Parameters		Production Capacity			
Vibration Frequency	0~60(Hz)	Block Type	Size	PCS/ Mould	Pcs/8 hours
Weight	20,700(kg)	Hollow	 400×200×200	9	11,250~13,500
Size	14,300 x 3,600 x 2,450(mm)	Hollow	 240×115×90	25	31,250~37,500
Power	82.3(kW)	Brick	 240×115×53	50	62,500~75,000
Cycle Time	15~28(s)	Paver	 200×100×60	36	45,000~54,000
Pressure	35.5(MPa)				
Vibration Force	105(kN)				
Pallet Size	1,400 x 750(mm)				
Forming Method	Vibration Press				

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

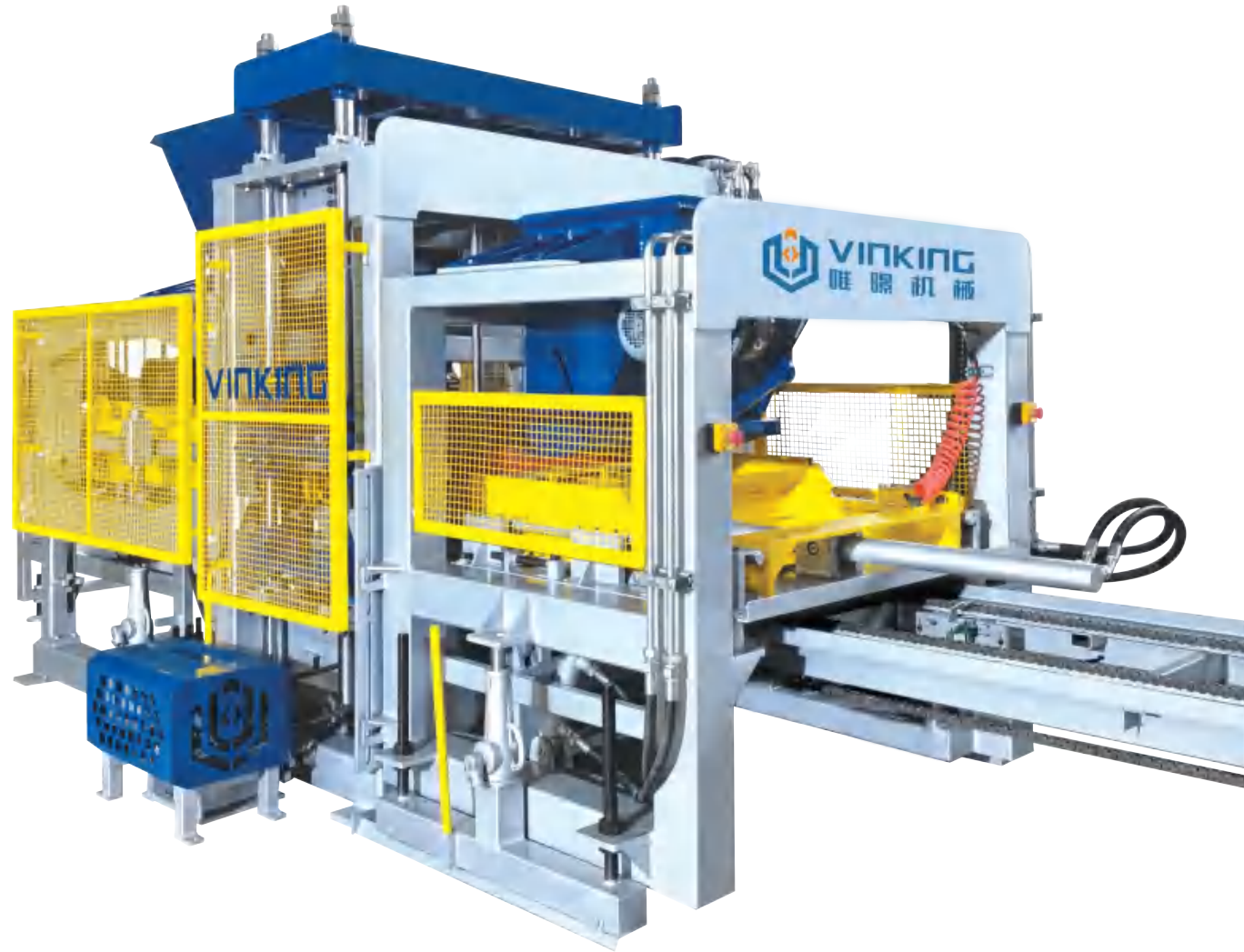
◀ VK1200Pro | AUTOMATIC BLOCK MAKING MACHINE



Technical Parameters		Production Capacity			
Vibration Frequency	0~60(Hz)	Block Type	Size	PCS/ Mould	Pcs/8 hours
Weight	24,700(kg)	Hollow	 400×200×200	12	15,000~18,000
Size	14,700 x 3,600 x 2,450(mm)	Hollow	 240×115×90	30	37,500~45,000
Power	89.3(kW)	Brick	 240×115×53	65	81,250~97,500
Cycle Time	15~28(s)	Paver	 200×100×60	42	52,500~63,000
Pressure	35.5(MPa)				
Vibration Force	120(kN)				
Pallet Size	1,400 x 900(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%



Weighing Indicator
Storage +20 recipe



Hopper:
5mm Thickness
Steel Plate

Belt Roller Motor: GUOMAO

H-Beam Support



Vibrator
(Italy Oli-Wolong)
More efficient



Air Cylinder
(Taiwan Air Tac)
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

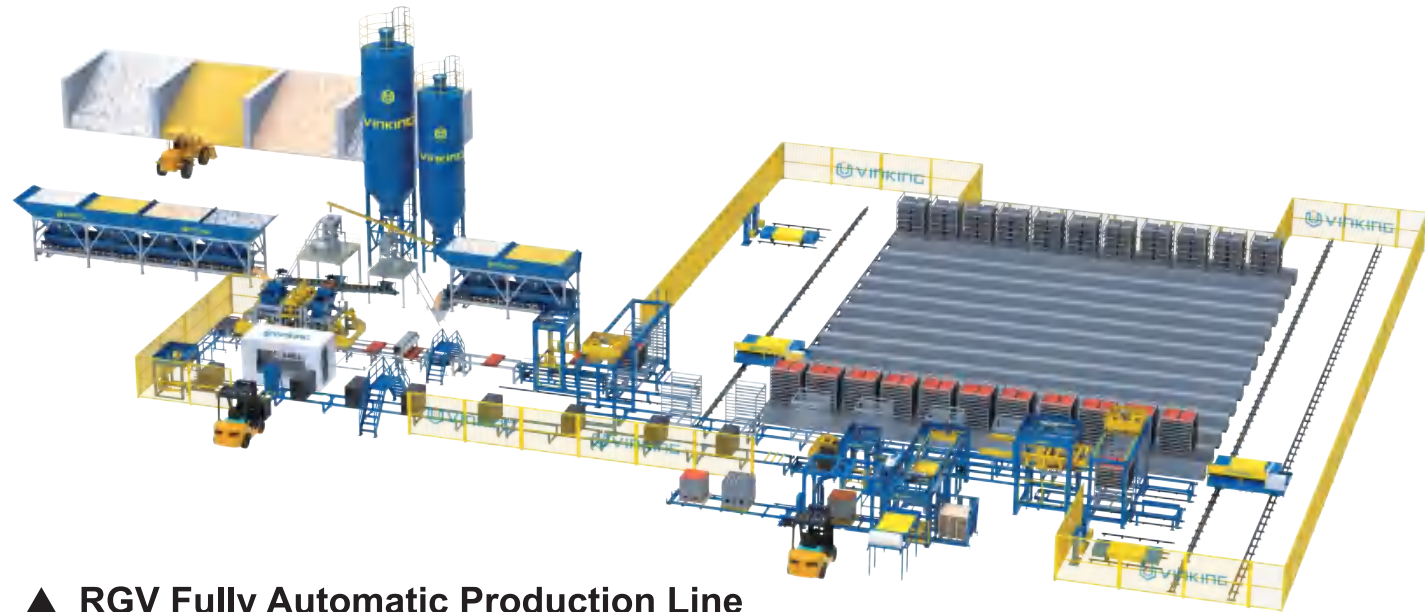
Twin-Shaft Mixer JS750

TECHNICAL PARAMETERS

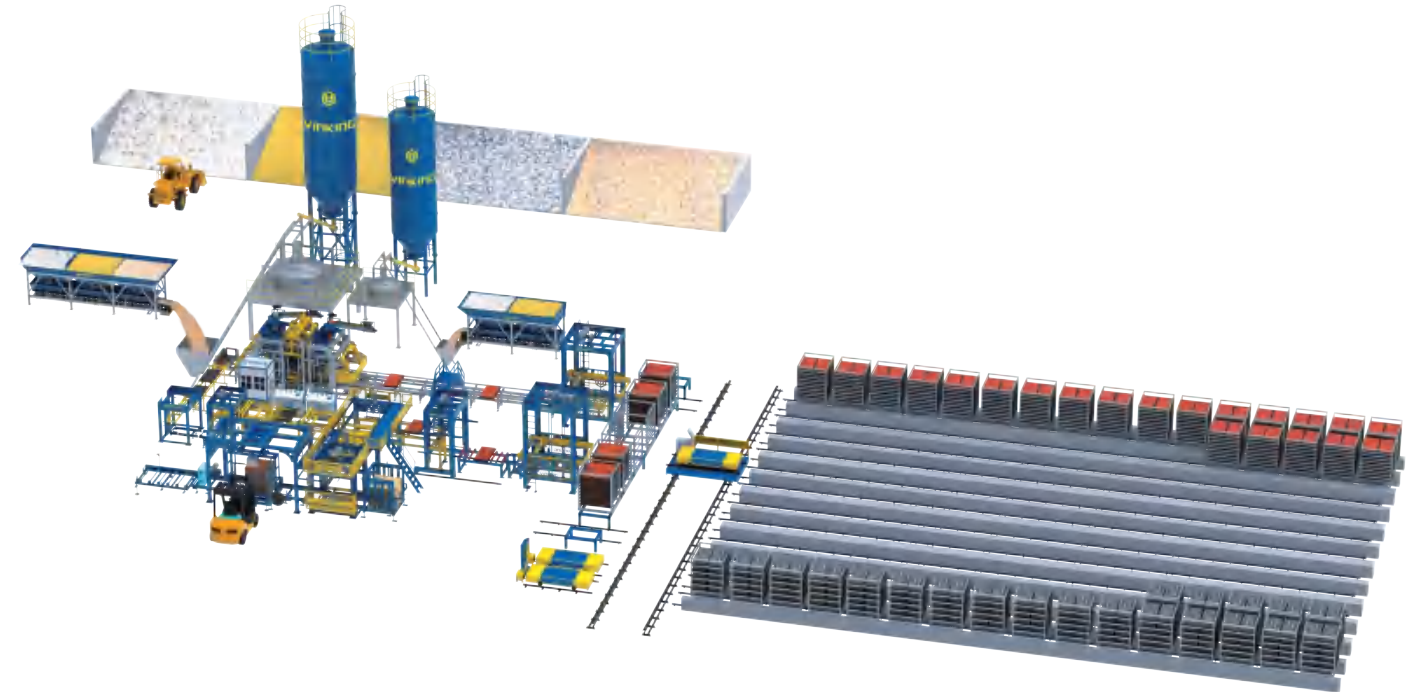
Item \ Type		JN350	JS500	JS750
Item parm	Output(L)	350	500	750
	Input(L)	550	750	1,150
Capacity(m³/h)		21	30	45
Max Stone(mm)		≤30	≤30	≤30
Cycle Time(s)		100	100	100
Weight(kg)		3,500	4,000	5,500
Size(mm)	Length	3,722	4,460	5,025
	Width	1,370	3,050	3,100
	Height	3,630	2,680	5,680
Mixing Blade	RPM(r/min)	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



▲ RGV Fully Automatic Production Line



▲ RGV Fully Automatic Production Line B



▲ RGV Fully Automatic Production Line A



▲ Single Line + Online Cubing System

◀ 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



Servo Control for
Transfer Car
Accurate Positioning
by Gear

No Need Insulation
for Rail
Easy Construction
Less Maintenance

Smart Charging
Full Auto Charging

DC Control for
Mobile Car
More Fast and Stable
Heavy Load

◀ 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

◀ ONLINE/OFFLINE CUBING SYSTEM



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



▲ Rotation Table

▲ Push Conveyor

▲ Lift Conveyor

Customer's Site 1



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

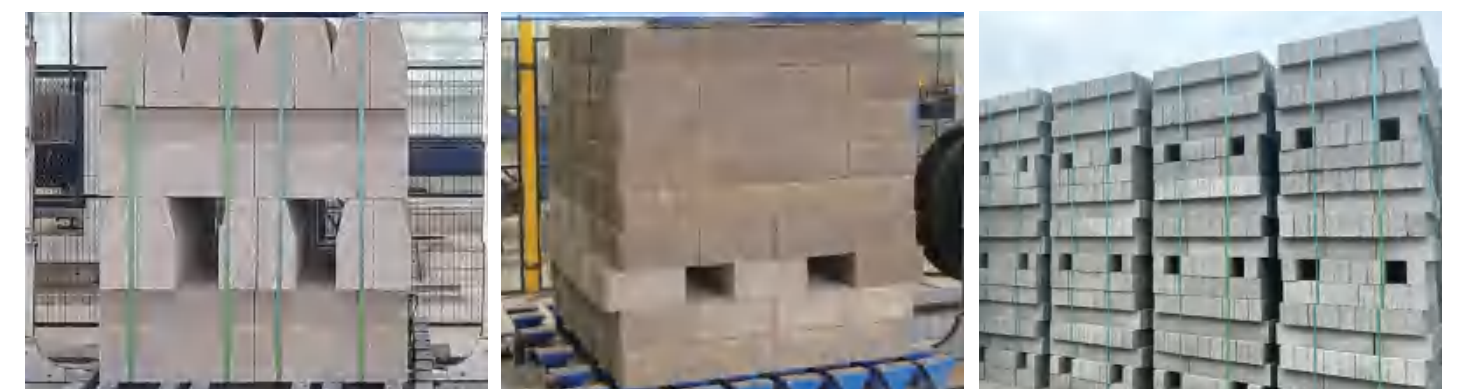


▲ Control Panel

▲ Left & Right Clips

▲ Push Conveyor

Customer's Site 2



ACCESSORY 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/m²	≤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

◀ AUTOMATIC VERTICAL PACKING MACHINE



Vertical packing machines are commonly used to bundle blocks vertically and horizontally using PET packing belts. These machines ensure that the blocks are securely bundled and do not scatter during transportation. The use of PET packing belts helps to maintain neat and organized bundling

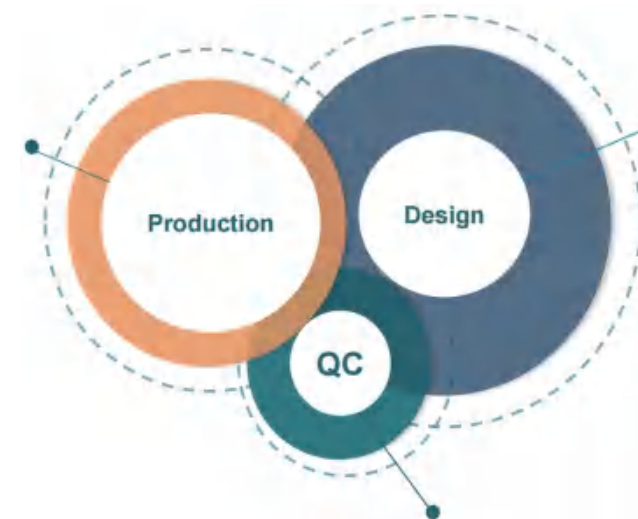
- Fully Automatic
- Low Noise
- No Need for Labor
- Cost Saving
- Increased Efficiency



◀ VINKING MOULD



Processing
Assembling
Heat treatment
Welding
Matching
Painting
Packing



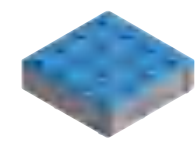
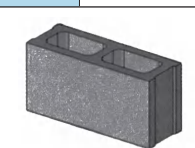
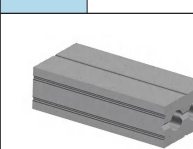
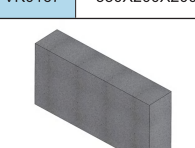
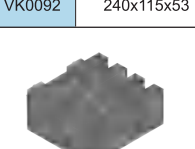
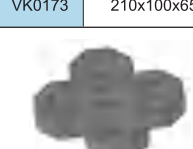
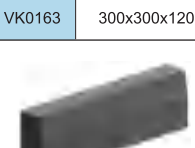
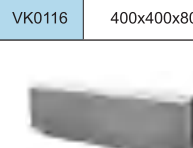
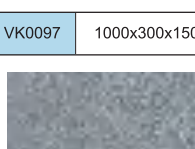
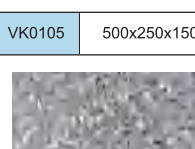
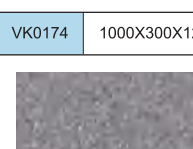
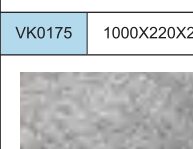
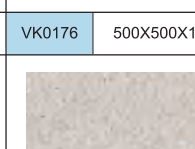
Determining the product
Confirming mould drawing
Preparing the material

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



◀ BLOCK SAMPLE

Unit: mm

											
VK0003	250x250x60	VK0005	200x200x60	VK0010	200x100x60	VK0015	227x137x60	VK0016	225x112.5x100	VK0027	200x141.5x60
											
VK0036	200x200x60	VK0040	250x250x60	VK0041	191x146x60	VK0048	250x250x60	VK0164	198x163x80	VK0165	200x200x60
											
VK0056	400X200X200 390X190X190	VK0065	400X150X200 390X140X190	VK0066	400X100X200 390X90X190	VK0062	390x190x190	VK0063	240x115x90	VK0166	240X115X90
											
VK0167	530X200X200	VK0168	530X150X200	VK0169	530X200X250	VK0170	200x100x60	VK0171	400x200x200	VK0172	400x250x200
											
VK0092	240x115x53	VK0094	230x110x60	VK0173	210x100x65	VK0109	400x500x250	VK0110	716x400x300	VK0111	412x333.3x250
											
VK0163	300x300x120	VK0115	400x200x80	VK0116	400x400x80	VK0117	600x400x80	VK0118	198x198x80	VK0123	400x400x80
											
VK0097	1000x300x150	VK0105	500x250x150	VK0174	1000X300X120	VK0175	1000X220X200	VK0176	500X500X120	VK0177	1000X350X120
											
VK0097	1000x300x150	VK0105	500x250x150	VK0174	1000X300X120	VK0175	1000X220X200	VK0176	500X500X120	VK0177	1000X350X120
											
VK0097	1000x300x150	VK0105	500x250x150	VK0174	1000X300X120	VK0175	1000X220X200	VK0176	500X500X120	VK0177	1000X350X120

Surface treatment such as: Shot blasting, Curling, Coating, Polishing, Grinding, etc.

◀ PRODUCT APPLICATION

