CAHAN ENERGY
INTERNATIONAL ENERGY

Automatic Brick Making Production Line

1. Main composition and advantages of QT7-15 type equipment

Forming Host Machine:

This equipment is a vibrating four-column forming brick machine.

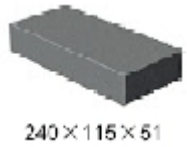
Due to its unique design and advanced forming principle, the machine can achieve automatic pallet feeding, brick output, aggregate, face material, and vibration stacking.

One machine has multiple functions, stable performance, it also has the advantage of stable performance, easy operation and high output.

2. Technical parameters of QT7-15

Maximum forming area	1,100×650mm	**Main vibration form**	Tai Zhen
Host size	L5600×W2600×H2800	**Vibration frequency**	45-60HZ
Finished product height	50—200mm	**Electric control system**	VIGOR
Molding Cycle	12-18 seconds (depending on the shape of the product)	**Total power**	44.8kw
Exciting force	80KN	**Gross weight**	9T
Pallet size	1,150×750×(12-35)mm		
Quantity of forming blocks	390×190×190mm(7 blocks/mold)		

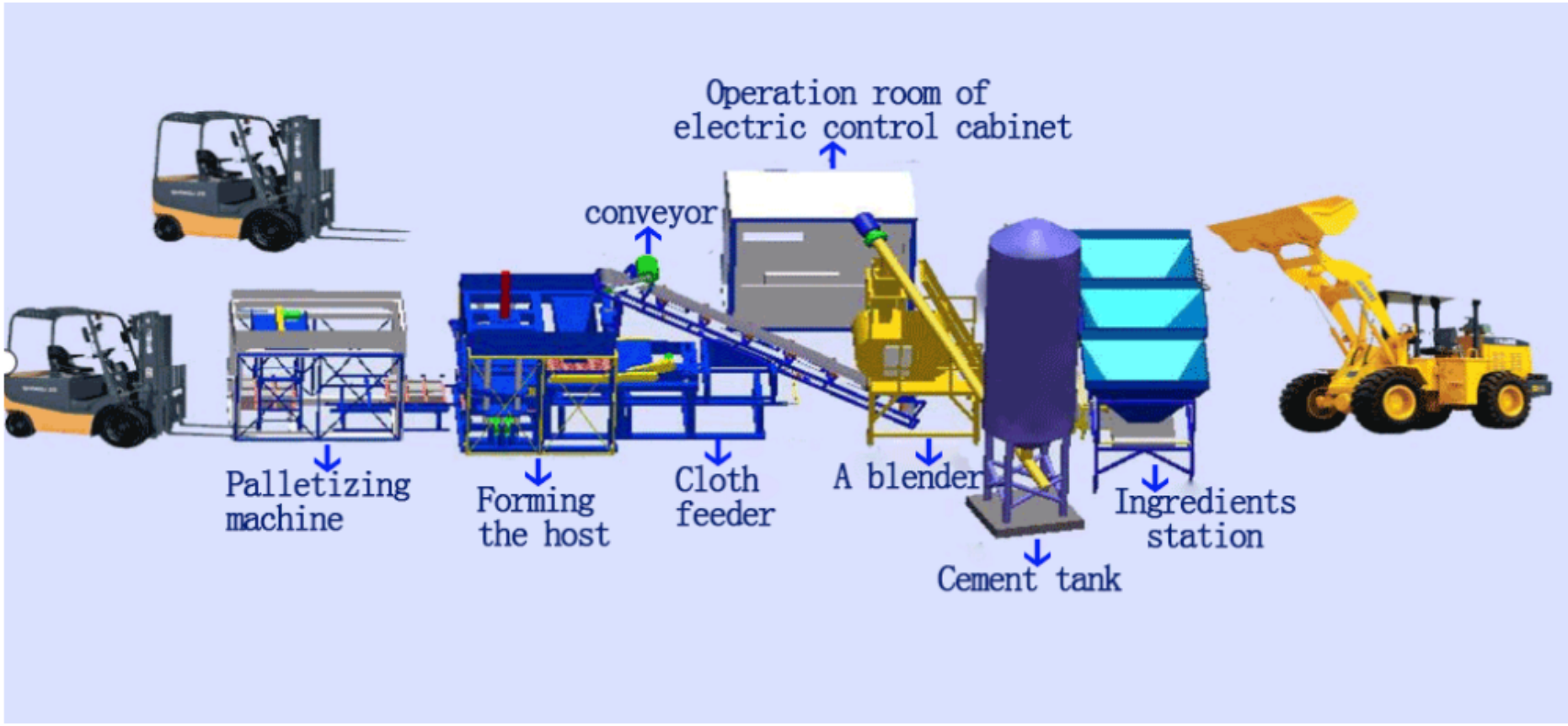
3. Main product Specifications and Output Per Pallet:

Product	Yield	QT7-15	Product	Yield	QT7-15
	Quantity of forming blocks (blocks/mold)	44		Quantity of forming blocks (blocks/mold)	30
	Block/day (10 hours)	50600		Square meter m²/day (10 hours)	600
	Quantity of forming blocks (blocks/mold)	16		Quantity of forming blocks (blocks/mold)	8
	Block/day (10 hours)	19400		Square meter m²/day (10 hours)	500
	Quantity of forming blocks (blocks/mold)	2		Quantity of forming blocks (blocks/mold)	18
	Cubic meter m³/day (10 hours)	672		Square meter m²/day (10 hours)	290
	Quantity of forming blocks (blocks/mold)	1		Quantity of forming blocks (blocks/mold)	3
	Square meters m²/day (10 hours)	350		Square meter m²/day (10 hours)	404
	Quantity of forming blocks (blocks/mold)	9		Quantity of forming blocks (blocks/mold)	4
	Square meter m²/day (10 hours)	450		Square meter m²/day (10 hours)	520

Profit Analysis ：

All Expenses	Calculation Method
Cost of labor	10 persons are required for the total production line: ○ 1 for main machine, ○ 1 for blender, ○ 2 for forklift, ○ 1 for shovel truck, ○ 4 for stacking, ○ 1 for maintenance.
Expenses for 1m²	1. Cement - 12kg 2. White cement - 3.6kg 3. Sand - 6kg 4. Stone powder - 47.94kg 5. Stone grains - 2.38kg 6. Pigment - 0.12kg 7. Electrical - 0,53kW 8. Water - 36 liters
Totally Per Dpay	(1000m^2 /per day) x (Price of product) = (Summary per day)
Earned Money	(Summary per day) – (Expenses per day) – (10% additional expenses) = Earned Money

4. **Flow Chart:**


Operation room of
electric control cabinet
conveyor
Palletizing
machine
Forming
the host
Cloth
feeder
A blender
Ingredients
station
Cement tank