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BHARAT BRICKS
Machine Company



BHARAT BRICKS MACHINE COMPANY

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ABOUT US

Established in the year, 2008, We BHARAT Hydraulic Industries LLP (BHRATMACH) are among one of the prestigious organizations in this arena, engaged in Manufacture, Exporting & Trading a quality range of Multi Brick & Block Making Machinery, Designer Tiles/Paving Block Machinery, Hollow Solid Block Making Machine Other Industrial & Content Machinery and Pumps, Rollerized PVC Mould, Plastic Mould, Limestone color, Limestone Chemicals, Cement & Roxyck Ple Ple Other Construction materials etc. We BHARAT hydraulic Industries LLP BHARATMA MACUD help ourselves sustain themselves through greater productivity and better cost effectiveness, benefit that they achieve by using our world class machines with par excellence technology and quality.

The design and robust build quality of our industrial machineries including the fly ash brick and blocks machine, paver plant and designer tiles machineries speak volumes about our dedication to create the highest value for our esteemed and dear clients. Our consistency is delivering world-class machines and plants not only enhanced or reputated and client fast, but has also ought to satisfaction.

We are day being popularly appreciated across national and international borders for our commendable and quality offerings and are also one of the leading exporters of industrial machineries to markets located in different countries and regions of the globe. Apart from the product itself, we see efficient customer services, so advanced technologies and our well-synchronize logistic and supply chain network to ensure that there are almost no lead times for our clients.

Our Missions

BHARAT hydraulic Industries LLP BHARATMACH are committed to provide the highest quality industrial and construction machinery and equipment to its client worldwide. We will also strive to be the leader in the business segment we report. Customer satisfaction and happiness remains one of our top most priorities. "The company follows a customer-centric approach and believes in growth through the growth of customers". Only a satisfied customer makes us satisfied. We wish to create long-term business.

Our Vision

WE BHARAT Hydraulic Industries LLP BHARATMACH) have a vision to be a market leader in manufacturing high quality industrial and construction machinery and deliver solutions that boost productivity of client businesses and make them so able and important components of the local and regional economy. We also envisage to create products and relationship that are sustainable and can improve the level.

Our Team

We are assisted by a team of proficient professionals in all the stages of our business process. These experts working with us, utilizing the in-depth knowledge of the industry for completing assigned tasks with precision and ease. All our experts utilize the available resources with the art to make the offered product a cost-effective. In order to maintain a healthy working atmosphere within the firm, all our professionals work in close coordination with one another. Further, we periodically arrange training sessions and seminars to keep our workforce abreast with latest technological advancements and changing market dynamics.

Our quality

Quality is the most highlighting factor of our company. It assists in earning immense reputation in the market. With an aim to provide pristine consortium of Hydraulic & Vibration Technology Machinery For Construction Business, Rubber Mould, Hardener, Iron oxide, Tile Molds and High Pressure Machine, we have acquired a quality control management policy. Our entire range of machinery, Color, Chemical and molds is manufactured using optimum quality raw material that is sourced from certified vendors of the market. Each stage of manufacturing and fabrication, takes place under the strict supervision of our quality inspectors as per international norms and guidelines. We have setup a quality inspecting unit at our end for conducting stringent analyses of the product range and ensure their flawlessness. They test the Quality of the product on the basis of Following parameters...

- Performance
- Construction
- Finishing
- Resistance against corrosion & abrasion
- Dimensional accuracy

Why to Choose BHARATMACH Products / BHARAT Hydraulic Industries LLP :

- High quality standards
- Value for money products
- Attractive and strong packing
- Customer oriented approach
- Quick delivery and Reliable shipping
- Transparent business policy
- Wide satisfied customer base
- Long lasting support & follow up till customer used products
- Unlimited product source
- Always happy to listen and solve customers problem
- In depth knowledge and vast industry experience
- High quality raw material used for manufacturing process

PRE-SALES SERVICES

Professional and comprehensive pre-sales service guides and directs your investment.



24/7 ONLINE SUPPORT .



SAME DAY PARTS
DISPATCH FACILITY
(WORKING DAY).



STANDARD MAKE PARTS
SO EASILY AVAILABLE IN
MARKET.



SERVICEMAN/ENGINEERS
AVAILABLE WITHIN 2 TO 3
WORKING DAYS.



100% SURETY OF
QUALITY PRODUCTS.

AFTER-SALES SERVICES

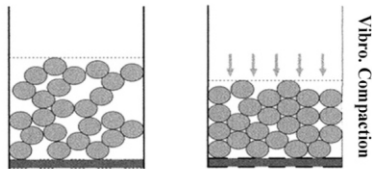
Bricks product advice service, 24 hours customer service, free machine operation and management training.

SR NO.	MODEL NO.	MACHINERY NAME	PAGE NO.
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16	BHA-302EV (6 cvt.)	Automatic Fly Ash Brick & Block Making Machinery	13
--	--	Comparison table of Ash Brickmach series model	14

BRICKS & BLOCK PER STROKE CAVITY					
Bricks	Block	Zigzag	I Shape	Curbstone	Hollow
--	--	--	--	--	--
32 cvt.	15 cvt.	28 cvt.	25 cvt.	6 cvt.	10 cvt.
24 cvt.	9 cvt.	21 cvt.	16 cvt.	4 cvt.	8 cvt.
--	--	--	--	--	--
--	--	--	--	--	--
18 cvt.	6 cvt.	15 cvt.	12 cvt.	2 cvt.	6 cvt.
15 cvt.	6 cvt.	10 cvt.	12 cvt.	2 cvt.	3 cvt.
12 cvt.	4 cvt.	10 cvt.	9 cvt.	2 cvt.	3 cvt.
10 cvt.	4 cvt.	8 cvt.	6 cvt.	2 cvt.	3 cvt.
--	--	--	--	--	--
--	--	--	--	--	--
10 cvt.	4 cvt.	8 cvt.	6 cvt.	1 cvt.	3 cvt.
8 cvt.	2 cvt.	6 cvt.	4 cvt.	1 cvt.	2 cvt.
6 cvt.	1 cvt.	3 cvt.	2 cvt.	1 cvt.	1 cvt.
--	--	--	--	--	--
--	--	--	--	--	--
32 cvt.	--	--	--	--	--
18 cvt.	--	--	--	--	--
12 cvt.	--	--	--	--	--
10 cvt.	--	--	--	--	--
8 cvt.	--	--	--	--	--
6 cvt.	--	--	--	--	--
--	--	--	--	--	--

SR NO.	MODEL NO.	MACHINERY NAME	PAGE NO.	BRICKS & BLOCK PER STROKE CAVITY					
				Bricks	Block	Zigzag	I Shape	Curbstone	Hollow
--	--	Fully Automatic with Batching Plant Full Setup View	15	--	--	--	--	--	--
--	--	Comparison table of Interlock Pavermach series model	16	--	--	--	--	--	--
--	--	HOLLOW BLOCK MAKING MACHINERY	17 - 18	--	--	--	--	--	--
17	BHF-500V (10 cvt.)	Fully Automatic Hollow Block Making Machine with Batching plant	17	--	--	--	--	--	10 cvt.
18	BHAS-501V (4 cvt.)	Automatic Concrete Hollow Block Making Machine with Auto. stacker	17	--	--	--	--	--	4 cvt.
19	BHA-502BV (3 cvt.)	Automatic Concrete Hollow Block Making Machinery	17	--	--	--	--	--	3 cvt.
20	BHA-502DV (2 cvt.)	Automatic Cement Hollow Block Making Machinery	17	--	--	--	--	--	2 cvt.
21	BHA-502EV (1 cvt.)	Automatic Cement Hollow Block Making Machinery	17	--	--	--	--	--	1 cvt.
--	--	Comparison table of Hollow Block Machine series model	18	--	--	--	--	--	--
--	--	VIBRO. MANUAL FLY ASH BRICK & BLOCK MACHINERY	19	--	--	--	--	--	--
22	BHS-203AV (12 cvt.)	Egg Laying Brick & Block Making Machine	19	12 cvt.	8 cvt.	--	--	--	4 cvt.
23	BHS-204FV (4 cvt.)	Manual Concrete Brick & Block Making Machine	19	4 cvt.	--	--	--	--	--
24	BHS-504HV (2 cvt.)	Manual Hollow Block Making Machine	19	--	2 cvt.	--	--	--	2 cvt.
25	BHA-204IV (1 cvt.)	Manual Solid Concrete Block Machine	19	--	1 cvt.	--	--	--	--
--	--	Types of Brick & Block can produce And Products we are using	20	CODE OF DISCRIPTION: BHF - Fully Automatic with Batching series BHAS - Automatic with Auto. stacking series BHA - Automatic brick & block machinery BHS - Semi automatic fly brick & block machinery					
--	--	Difference between Red bricks / Fly ash bricks / Solid block	21 - 22						

As the particles are pressed to closer, the vibration will excite all the particles so that they shuffle into place together. As the particles vibrate, the volume is reduced; this compaction is more uniform from outside inward from all the surface, not just the top. Vibration greatly assists in compaction but also helps to speed up the compaction process. The increase in brick-making results in a faster daily target achievements. More connection allow for better cohesion & adhesive forces when demoulding. Typically, even without a chemical agent added, brick formations will hold together from the moisture content alone. This shows how well the brick will be bonded when cement is added. Cement in the water will create micro-joints between the particles at the connection points (following the water lattice structure present). Thus when more connections can be made, the stronger the bond will be; additionally this means less void space and therefore less wasted cement to fill the spaces.



With Vibroteck series brick & block machine is a high-efficiency model that is Special developed for All three category High, Medium & Samll scale production with features of easy operation, high capacity, high quality, high stability, low running costs and so on. It is designed to match the various cus tomer requirements, such as special-shape cement products, hollow bricks, paving bricks, curb stones and solid bricks, etc.

1. Efficient Vibro. box vibration

Special BHARATMACH design Smooth Vibro. box with forced synchronous mechanism is adopted to realize fast and speedy output products with Guarantees the high quality concrete products.

2. Output quality

With Auto. Weighing Batching, fast dynamic response speed and short molding cycle, With Batching series block machines can have great quality output products due to accuracy in material feed-ing.

3. Frequency conversional control & Energy-saving

Frequency conversional technology was re-innovated and improved by BharatMach. It can save 15%-25% power by adjusting the frequency converter, compared to traditional motor; at the same time, it can greatly improve the quality of concrete and prolong the motor lifetime. With large load capacity, we use energy efficient motor of latest technology IE2/IE3 system.

4. Automatic mould lifting frame

The adjustment of the mold frame is realized by the automatic lifting frame and the auxiliary positioning of the screw rod, so that mould can be changed quickly and easily.

5. Material hopper door

The material hopper door opening and closing are driven by material feeder reverse & forward system, which is more stable and faster, improving the production efficiency.

6. Panel control

The control system adopts Delta PLC and other world-famous brands for sensor and electrical components, such as Schneider, Siemens etc..

7. Efficient hydraulic system

The hydraulic system adopts imported high dynamic proportional valve and high performance vane pump, which is characterized by convenient parameter adjustment, high pressure resistance, low noise, energy saving and easy maintenance.

8. Multi-purpose block machine

By changing moulds, one machine can produce various types of blocks and bricks, such as hollow blocks, paving bricks (with or without face color), solid bricks, curbstones and slope protection bricks.

9. Material feeding device

To meet different block production requirements, there are two material feeder, One for cement concrete material feeding & Second one for color or other powder type material feeder for Better fin-ishing & coloring.









10. Remote Control (Optional)

Use the most-advanced industrial internet technology, with the advantages of remote control & operation, automatic trouble-shooting & maintenance.









WITH BATCHING SERIES

Model no.: BHF-200 (32cvt.)

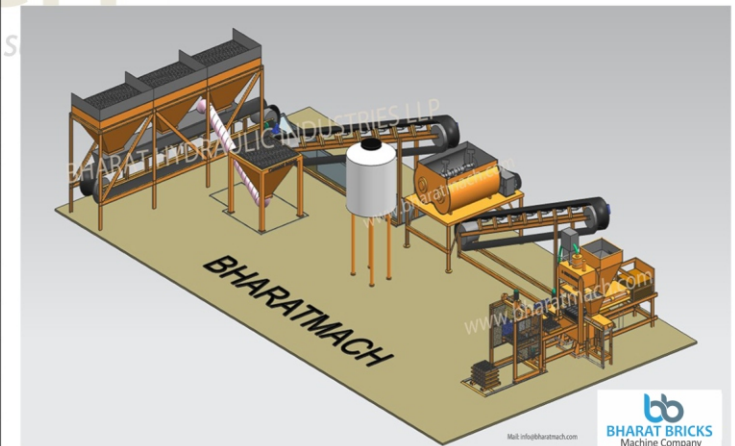


Technical Details									
Hydraulic Pressure capacity		50 to 60 Tones pressure							
Vibration Motor		15 Hp + 15 Hp Crompton/Bharat Bijlee/Havells motor with Vibro. box							
Electricity requirement		110 Hp / 82.03 kW (Three Phase)							
Oil tank capacity		750 Liters Oil tank capacity							
Machine set includes		1 Main Machine with Power-pack, 1 Conveyor Belt, 1 Panel Board, 1 Batching Plant setup, 1 Twin shaft mixer, 1 Auto. Stacker, 3 Hyd. Trolley etc.							
Production capacity	Output product image								
	cvt. per stroke	32cvt.	28cvt.	25cvt.	28cvt.	25cvt.	15cvt.	6cvt.	10cvt.
	Type of product	Fly Ash Bricks	Zigzag Paver	I shape Paver	Zigzag Paver	I shape Paver	Solid Block	Curbstone	Hollow Block
	Approx. size	230 x 110 x 75mm	Standard size 80/100mm	Standard size 80/100mm	Standard size 80/100mm	Standard size 80/100mm	300 x 200 x 150mm	450 x 200 x 200mm	400 x 200 x 200mm
	Per hours production	5,760nos.	3,444nos.	3,075nos.	4,620nos.	4,125nos.	2,475nos.	738nos.	1,650nos.
	Shift/8hrs. production	46,080nos.	27,522nos.	24,600nos.	36,960nos.	33,000nos.	19,800nos.	5,904nos.	13,200nos.
Note: Approx. per hours & per Shift/8hrs. production shown above									

Technical Details

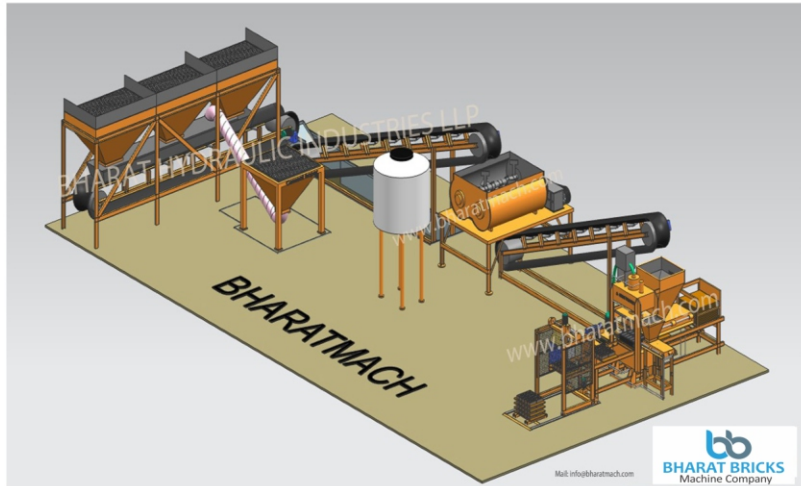
Technical Details									
Hydraulic Pressure capacity		40 to 50 Tones pressure							
Vibration Motor		12.5 Hp + 12.5 Hp Crompton/Bharat Bijlee/Havells motor with Vibro. box							
Electricity requirement		95 Hp / 70.84 kW (Three Phase)							
Oil tank capacity		600 Liters Oil tank capacity							
Machine set includes		1 Main Machine with Power-pack, 1 Conveyor Belt, 1 Panel Board, 1 Batching Plant setup, 1 Twin shaft mixer, 1 Auto. Stacker, 3 Hyd. Trolley etc.							
Production capacity	Output product image								
	cvt. per stroke	24cvt.	21cvt.	16cvt.	21cvt.	16cvt.	9cvt.	4cvt.	8cvt.
	Type of product	Fly Ash Bricks	Zigzag Paver	I shape Paver	Zigzag Paver	I shape Paver	Solid Block	Curbstone	Hollow Block
	Approx. size	230 x 110 x 75mm	Standard size 80/100mm	Standard size 80/100mm	Standard size 80/100mm	Standard size 80/100mm	300 x 200 x 150mm	450 x 200 x 200mm	400 x 200 x 200mm
	Per hours production	4,320nos.	2,583nos.	1,968nos.	3,465nos.	2,640nos.	1,485nos.	492nos.	1,320nos.
	Shift/8hrs. production	34,560nos.	20,664nos.	15,744nos.	27,720nos.	21,120nos.	11,880nos.	3,936nos.	10,560nos.
Note: Approx. per hours & per Shift/8hrs. production shown above									










Model no.: BHF-200 (24cvt.)



COMPARISON OF BATCHING SERIES MODEL

WITH BATCHING SERIES



TECHNICAL DETAILS	MODEL NO.:		BHF-200 32 CVT.	BHF-200 28 CVT.	BHF-200 24 CVT.	BHF-200 21 CVT.
	HYDRAULIC PRESSURE IN TONES		50 to 60	50 to 60	40 to 50	40 to 50
	VIBRATION MOTOR		15 + 15 HP	15 + 15 HP	12.5 + 12.5 HP	10 + 10 HP
	TOTAL ELECTRICITY REQUIREMENT	H.P.	110 HP	100 HP	95 HP	90 HP
		kW	82.03 kW	74.57 kW	70.84 kW	67.11 kW
	OIL TANK CAPACITY IN LITERS		750 LITERS	750 LITERS	600 LITERS	600 LITERS
RECYCLE PLY PALLETS SIZE		44" x 48"	38" x 46"	38" x 44"	36" x 38"	
PRODUCTION CAPACITY		CVT. PER STROKE BRICKS	32 CVT.	28 CVT.	24 CVT.	21 CVT.
		PER HOURS PRODUCTION	5,760 NOS.	5,040 NOS.	4,320 NOS.	3,780 NOS.
		SHIFT / 8HRS. PRODUCTION	46,080 NOS.	40,320 NOS.	34,560 NOS.	30,240 NOS.
		CVT. PER STROKE ZIGZAG	28 CVT.	21 CVT.	21 CVT.	18 CVT.
		PER HOURS PRODUCTION	3,444 NOS.	2,583 NOS.	2,583 NOS.	2,214 NOS.
		SHIFT / 8HRS. PRODUCTION	27,552 NOS.	20,664 NOS.	20,664 NOS.	17,712 NOS.
		CVT. PER STROKE I SHAPE	25 CVT.	20 CVT.	16 CVT.	16 CVT.
		PER HOURS PRODUCTION	3,075 NOS.	2,460 NOS.	1,968 NOS.	1,968 NOS.
		SHIFT / 8HRS. PRODUCTION	24,600 NOS.	19,680 NOS.	15,744 NOS.	15,744 NOS.
		CVT. PER STROKE ZIGZAG	28 CVT.	21 CVT.	21 CVT.	18 CVT.
		PER HOURS PRODUCTION	4,620 NOS.	3,465 NOS.	3,465 NOS.	2,970 NOS.
		SHIFT / 8HRS. PRODUCTION	36,960 NOS.	27,720 NOS.	27,720 NOS.	23,760 NOS.
		CVT. PER STROKE I SHAPE	25 CVT.	20 CVT.	16 CVT.	16 CVT.
		PER HOURS PRODUCTION	4,125 NOS.	3,300 NOS.	2,640 NOS.	2,640 NOS.
		SHIFT / 8HRS. PRODUCTION	33,000 NOS.	26,400 NOS.	21,120 NOS.	21,120 NOS.
		CVT. PER STROKE SOLID BLOCK	15 CVT.	12 CVT.	9 CVT.	6 CVT.
		PER HOURS PRODUCTION	2,475 NOS.	1,980 NOS.	1,485 NOS.	990 NOS.
		SHIFT / 8HRS. PRODUCTION	19,800 NOS.	15,840 NOS.	11,880 NOS.	7,920 NOS.
		CVT. PER STROKE CURBSTONE	6 CVT.	4 CVT.	4 CVT.	2 CVT.
		PER HOURS PRODUCTION	738 NOS.	492 NOS.	492 NOS.	246 NOS.
		SHIFT / 8HRS. PRODUCTION	5,904 NOS.	3,936 NOS.	3,936 NOS.	1,968 NOS.
		CVT. PER STROKE HOLLOW BLOCK	10 CVT.	10 CVT.	8 CVT.	8 CVT.
		PER HOURS PRODUCTION	1,650 NOS.	1,650 NOS.	1,320 NOS.	1,320 NOS.
		SHIFT / 8HRS. PRODUCTION	13,200 NOS.	13,200 NOS.	10,560 NOS.	10,560 NOS.
		CVT. PER STROKE INTERLOCK BRICK	--	--	--	--
		PER HOURS PRODUCTION	--	--	--	--
		SHIFT / 8HRS. PRODUCTION	--	--	--	--








Vibro. Automatic Brick & Block Making Machinery Features

- Automatic latest technology computer. panel board with Multi Brick & Brick Making programming system.
- Special Vibration with pressure Automatic Multi Brick & Block making Machine
- Double Feeder & Double Cylinder System.
- Hydraulic trolley Or Shifting trolley for easy material handling process.
- Fitted with special hydraulic loading unit, readily realize mass and fully automatic production, saving a great deal of human power, maintenance field and circulating fund investment.
- The moulds are changeable and it is able to produce various kind of blocks, bricks, interlocks, pavers and kerbstones in different types, sizes, shapes and color layers.
- Special Vibration box with Spring & Mouting for Smooth & Effective Vibration System.



Model no.: BHAS-201V (18cvt.)



Technical Details

Hydraulic Pressure capacity	30 to 40 Tones pressure							
Vibration Motor	10 + 10 Hp Crompton/Bharat Bijlee/Havells motor with Vibro. box							
Electricity requirement	61.5 Hp / 45.86 kW (Three Phase)							
Oil tank capacity	600 Liters Oil tank capacity							
Machine set includes	1 Main Machine with Power-pack, 1 Conveyor Belt, 1 Panel Board, 2 Pan mixer, 1 Auto. Stacker, 3 Hyd. Trolley, 4 Wheel Borrow etc.							
Production capacity	Output product image							
	cvt. per stroke	18cvt.	15cvt.	12cvt.	15cvt.	12cvt.	6cvt.	2cvt.
	Type of product	Fly Ash Bricks	Zigzag Paver	I shape Paver	Zigzag Paver	I shape Paver	Solid Block	Curbstone
	Approx. size	230 x 110 x 75mm	Standard size 80/100mm	Standard size 80/100mm	Standard size 80/100mm	Standard size 80/100mm	300 x 200 x 150mm	450 x 200 x 200mm
	Per hours production	3,240nos.	1,845nos.	1,476nos.	2,475nos.	1,980nos.	990nos.	246nos.
	Shift/8hrs. production	25,920nos.	14,760nos.	11,808nos.	19,800nos.	15,840nos.	7,920nos.	1,968nos.
Note: Approx. per hours & per Shift/8hrs. production shown above								

BHAS-201AV (15cvt.)






Technical details	
Hydraulic Pressure	30 to 40 Tones
Vibration Motor	10 + 10 Hp Motor
Electricity Require.	61.5 Hp / 45.86 kW
Oil tank capacity	600 Liters
Pallets size	32" x 32"
Total Area	2400 Sq. Meter
Special feature	Vibration Tech.

Production size (mm)	Per Stroke	Per Hours	Per Shrs. / Shift	Output Image
230 x 110 x 75mm	15 pcs.	2,700	21,600	
220 x 110 x 80/60mm	10 pcs.	1,230	9,840	
200 x 165 x 80/60mm	12 pcs.	1,476	11,808	
300 x 200 x 150mm	6 pcs.	990	7,920	
450 x 200 x 200mm	2 pcs.	246	1,968	
220 x 110 x 80/60mm	10 pcs.	1,650	13,200	
400 x 200 x 200mm	3 pcs.	450	3,600	

BHAS-201BV (12cvt.)

Technical details	
Hydraulic Pressure	30 to 40 Tones
Vibration Motor	7.5 + 7.5 Hp Motor
Electricity Require.	54 Hp / 40.27 kW
Oil tank capacity	500 Liters
Pallets size	26" x 34"
Total Area	2300 Sq. Meter
Special feature	Multi Brick & Block








Production size (mm)	Per Stroke	Per Hours	Per Shrs. / Shift	Output Image
230 x 110 x 75mm	12 pcs.	2,160	17,280	
220 x 110 x 80/60mm	10 pcs.	1,230	9,840	
200 x 165 x 80/60mm	9 pcs.	1,107	8,856	
300 x 200 x 150mm	4 pcs.	660	5,280	
450 x 200 x 200mm	2 pcs.	246	1,968	
220 x 110 x 80/60mm	10 pcs.	1,650	13,200	
400 x 200 x 200mm	3 pcs.	450	3,600	



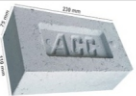








BHAS-201CV (10cvt.)



Technical details	
Hydraulic Pressure	30 to 40 Tones
Vibration Motor	7.5 + 7.5 Hp Motor
Electricity Require.	47 Hp / 35.05 kW
Oil tank capacity	400 Liters
Pallets size	26" x 30"
Total Area	2300 Sq. Meter
Special feature	Multi Brick & Block

Production size (mm)	Per Stroke	Per Hours	Per Shrs. / Shift	Output Image
230 x 110 x 75mm	10 pcs.	1,800	14,400	
220 x 110 x 80/60mm	8 pcs.	984	7,872	
200 x 165 x 80/60mm	6 pcs.	738	5,904	
300 x 200 x 150mm	4 pcs.	660	5,280	
450 x 200 x 200mm	2 pcs.	246	1,968	
220 x 110 x 80/60mm	8 pcs.	1,320	10,560	
400 x 200 x 200mm	3 pcs.	450	3,600	

COMPARISON OF AUTO.STACKING SERIES MODEL

TECHNICAL DETAILS	MODEL NO.:		BHAS-201V 18CVT.	BHAS-201AV	BHAS-201BV	BHAS-201CV
	HYDRAULIC PRESSURE IN TONES		30 to 40	30 to 40	30 to 40	30 to 40
	VIBRATION MOTOR		10 + 10 HP	10 + 10 HP	7.5 + 7.5 HP	7.5 + 7.5 HP
	TOTAL ELECTRICITY REQUIREMENT	H.P.	61.5 HP	61.5 HP	54 HP	47 HP
		kW	45.86 kW	45.86 kW	40.27 kW	35.05 kW
	OIL TANK CAPACITY IN LITERS		600 LITERS	600 LITERS	500 LITERS	400 LITERS
RECYCLE PLY PALLETS SIZE		34" x 36"	32" x 32"	26" x 34"	26" x 30"	
PRODUCTION CAPACITY		CVT. PER STROKE BRICKS	18 CVT.	15 CVT.	12 CVT.	10 CVT.
		PER HOURS PRODUCTION	3,240 NOS.	2,700 NOS.	2,160 NOS.	1,800 NOS.
		SHIFT / 8HRS. PRODUCTION	25,920 NOS.	21,600 NOS.	17,280 NOS.	14,400 NOS.
		CVT. PER STROKE ZIGZAG	15 CVT.	10 CVT.	10 CVT.	8 CVT.
	with color	PER HOURS PRODUCTION	1,845 NOS.	1,230 NOS.	1,230 NOS.	984 NOS.
		SHIFT / 8HRS. PRODUCTION	14,760 NOS.	9,840 NOS.	9,840 NOS.	7,872 NOS.
		CVT. PER STROKE I SHAPE	12 CVT.	12 CVT.	9 CVT.	6 CVT.
	with color	PER HOURS PRODUCTION	1,746 NOS.	1,746 NOS.	1,107 NOS.	738 NOS.
		SHIFT / 8HRS. PRODUCTION	11,808 NOS.	11,808 NOS.	8,856 NOS.	5,904 NOS.
		CVT. PER STROKE ZIGZAG	15 CVT.	10 CVT.	10 CVT.	8 CVT.
		PER HOURS PRODUCTION	2,475 NOS.	1,650 NOS.	1,650 NOS.	1,320 NOS.
		SHIFT / 8HRS. PRODUCTION	19,800 NOS.	13,200 NOS.	13,200 NOS.	10,560 NOS.
		CVT. PER STROKE I SHAPE	12 CVT.	12 CVT.	9 CVT.	6 CVT.
		PER HOURS PRODUCTION	1,980 NOS.	1,980 NOS.	1,485 NOS.	990 NOS.
		SHIFT / 8HRS. PRODUCTION	15,840 NOS.	15,840 NOS.	11,880 NOS.	7,920 NOS.
		CVT. PER STROKE SOLID BLOCK	6 CVT.	6 CVT.	4 CVT.	4 CVT.
		PER HOURS PRODUCTION	990 NOS.	990 NOS.	660 NOS.	660 NOS.
		SHIFT / 8HRS. PRODUCTION	7,920 NOS.	7,920 NOS.	5,280 NOS.	5,280 NOS.
		CVT. PER STROKE CURBSTONE	2 CVT.	2 CVT.	2 CVT.	2 CVT.
		PER HOURS PRODUCTION	246 NOS.	246 NOS.	246 NOS.	246 NOS.
		SHIFT / 8HRS. PRODUCTION	1,968 NOS.	1,968 NOS.	1,968 NOS.	1,968 NOS.
		CVT. PER STROKE HOLLOW BLOCK	6 CVT.	3 CVT.	3 CVT.	3 CVT.
		PER HOURS PRODUCTION	900 NOS.	450 NOS.	450 NOS.	450 NOS.
		SHIFT / 8HRS. PRODUCTION	7,200 NOS.	3,600 NOS.	3,600 NOS.	3,600 NOS.
		CVT. PER STROKE INTERLOCK BRICK	--	--	--	--
		PER HOURS PRODUCTION	--	--	--	--
		SHIFT / 8HRS. PRODUCTION	--	--	--	--

WITH STACKING SERIES



BHA-202CV (10cvt.)



Technical details	
Hydraulic Pressure	30 to 40 Tones
Vibration Motor	7.5 + 7.5 Hp Motor
Electricity Require.	44 Hp / 32.81 kW
Oil tank capacity	400 Liters
Pallets size	24" x 28"
Total Area	2100 Sq. Meter
Special feature	Vibration Tech.

Production size (mm)	Per Stroke	Per Hours	Per Shrs. / Shift	Output Image
230 x 110 x 75mm	10 pcs.	1,800	14,400	
220 x 110 x 80/60mm	8 pcs.	984	7,872	
200 x 165 x 80/60mm	6 pcs.	738	5,904	
300 x 200 x 150mm	4 pcs.	660	5,280	
450 x 200 x 200mm	1 pcs.	123	984	
220 x 110 x 80/60mm	8 pcs.	1,320	10,560	
400 x 200 x 200mm	2 pcs.	300	2,400	

BHA-202DV (8cvt.)



Technical details	
Hydraulic Pressure	20 to 30 Tones
Vibration Motor	5 + 5 Hp Motor
Electricity Require.	36.5 Hp / 27.22 kW
Oil tank capacity	400 Liters
Pallets size	23" x 23"
Total Area	1900 Sq. Meter
Special feature	Multi Brick & Block

Production size (mm)	Per Stroke	Per Hours	Per Shrs. / Shift	Output Image
230 x 110 x 75mm	8 pcs.	1,440	11,520	
220 x 110 x 80/60mm	6 pcs.	738	5,904	
200 x 165 x 80/60mm	4 pcs.	492	3,936	
300 x 200 x 150mm	2 pcs.	330	2,640	
450 x 200 x 200mm	1 pcs.	123	984	
220 x 110 x 80/60mm	6 pcs.	990	7,920	
400 x 200 x 200mm	2 pcs.	300	2,400	










BHA-202EV (6cvt.)



Technical details	
Hydraulic Pressure	20 to 30 Tones
Vibration Motor	5 + 5 Hp Motor
Electricity Require.	24 Hp / 17.90 kW
Oil tank capacity	300 Liters
Pallets size	18" x 22"
Total Area	1900 Sq. Meter
Special feature	Multi Brick & Block

Production size (mm)	Per Stroke	Per Hours	Per Shrs. / Shift	Output Image
230 x 110 x 75mm	6 pcs.	1,080	8,640	
220 x 110 x 80/60mm	3 pcs.	369	2,952	
200 x 165 x 80/60mm	2 pcs.	246	1,968	
300 x 200 x 150mm	1 pcs.	165	1,320	
450 x 200 x 200mm	1 pcs.	123	984	
220 x 110 x 80/60mm	3 pcs.	495	3,960	
400 x 200 x 200mm	1 pcs.	150	1,200	

COMPARISON OF MULTI BLOCKTECH SERIES MODEL

TECHNICAL DETAILS	MODEL NO.:		BHA-202BV	BHA-202CV	BHA-202DV	BHAS-202EV
	HYDRAULIC PRESSURE IN TONES		30 to 40	30 to 40	20 to 30	20 to 30
	VIBRATION MOTOR		7.5 + 7.5 HP	7.5 + 7.5 Hp	5 + 5 HP	5 + 5 HP
	TOTAL ELECTRICITY REQUIREMENT	H.P.	49 HP	44 HP	36.5 HP	29 HP
		kW	36.54 kW	32.81 kW	27.22 kW	21.63 kW
	OIL TANK CAPACITY IN LITERS		500 LITERS	400 LITERS	400 LITERS	400 LITERS
	RECYCLE PLY PALLETS SIZE		24" x 32"	24" x 28"	23" x 23"	18" x 22"
PRODUCTION CAPACITY		CVT. PER STROKE BRICKS	12 CVT.	10 CVT.	8 CVT.	6 CVT.
		PER HOURS PRODUCTION	2,160 NOS.	1,800 NOS.	1,440 NOS.	1,080 NOS.
		SHIFT / 8HRS. PRODUCTION	17,280 NOS.	14,400 NOS.	11,520 NOS.	8,640 NOS.
		CVT. PER STROKE ZIGZAG	10 CVT.	8 CVT.	6 CVT.	3 CVT.
	with color	PER HOURS PRODUCTION	1,230 NOS.	984 NOS.	738 NOS.	369 NOS.
		SHIFT / 8HRS. PRODUCTION	9,840 NOS.	7,872 NOS.	5,904 NOS.	2,952 NOS.
		CVT. PER STROKE I SHAPE	9 CVT.	6 CVT.	4 CVT.	2 CVT.
	with color	PER HOURS PRODUCTION	1,107 NOS.	738 NOS.	492 NOS.	246 NOS.
		SHIFT / 8HRS. PRODUCTION	8,856 NOS.	5,904 NOS.	3,936 NOS.	1,968 NOS.
		CVT. PER STROKE ZIGZAG	10 CVT.	8 CVT.	6 CVT.	3 CVT.
		PER HOURS PRODUCTION	1,650 NOS.	1,320 NOS.	990 NOS.	495 NOS.
		SHIFT / 8HRS. PRODUCTION	13,200 NOS.	10,560 NOS.	7,920 NOS.	3,960 NOS.
		CVT. PER STROKE I SHAPE	9 CVT.	6 CVT.	4 CVT.	2 CVT.
		PER HOURS PRODUCTION	1,485 NOS.	990 NOS.	660 NOS.	330 NOS.
		SHIFT / 8HRS. PRODUCTION	11,880 NOS.	7,920 NOS.	5,280 NOS.	2,640 NOS.
		CVT. PER STROKE SOLID BLOCK	4 CVT.	4 CVT.	2 CVT.	1 CVT.
		PER HOURS PRODUCTION	660 NOS.	660 NOS.	330 NOS.	165 NOS.
		SHIFT / 8HRS. PRODUCTION	5,280 NOS.	5,280 NOS.	2,640 NOS.	1,320 NOS.
		CVT. PER STROKE CURBSTONE	2 CVT.	1 CVT.	1 CVT.	1 CVT.
		PER HOURS PRODUCTION	246 NOS.	123 NOS.	123 NOS.	123 NOS.
		SHIFT / 8HRS. PRODUCTION	1,968 NOS.	984 NOS.	984 NOS.	984 NOS.
		CVT. PER STROKE HOLLOW BLOCK	3 CVT.	2 CVT.	2 CVT.	1 CVT.
		PER HOURS PRODUCTION	450 NOS.	300 NOS.	300 NOS.	150 NOS.
		SHIFT / 8HRS. PRODUCTION	3,600 NOS.	2,400 NOS.	2,400 NOS.	1,200 NOS.
		CVT. PER STROKE INTERLOCK BRICK	--	--	--	--
		PER HOURS PRODUCTION	--	--	--	--
		SHIFT / 8HRS. PRODUCTION	--	--	--	--


MULTI BLOCKTECH SERIES





Model no.: BHF-300V (32cv.)


Technical details			
Hydraulic Pressure	50 to 60 Tones	Oil tank capacity	750 Liters
Vibration Motor	15 + 15 Hp Motor	Pallets size	44" x 48"
Electricity Require.	108 Hp / 80.54 kW	Total Area	2400 Square meter
Special feature: Vibrotech Fly Ash Brick Machine with Batching series			

Production size (mm)	Per stroke	Per Hours	Per 8hrs. / Shift	Output Image
230 x 110 x 75mm	32 pcs.	5,760 pcs.	46,080 pcs.	



Model no.: BHAS-301V (18cv.)


Technical details			
Hydraulic Pressure	30 to 40 Tones	Oil tank capacity	600 Liters
Vibration Motor	10 + 10 Hp Motor	Pallets size	34" x 36"
Electricity Require.	59.5 Hp / 44.37 kW	Total Area	2100 Square meter
Special feature: Ash Brickmach series			

Production size (mm)	Per stroke	Per Hours	Per 8hrs. / Shift	Output Image
230 x 110 x 75mm	18 pcs.	3,240 pcs.	25,920 pcs.	

Model no.: BHA-302BV (12cv.)



Technical details			
Hydraulic Pressure	30 to 40 Tones	Oil tank capacity	500 Liters
Vibration Motor	7.5 + 7.5 Hp Motor	Pallets size	24" x 32"
Electricity Require.	49 Hp / 36.54 kW	Total Area	2100 Square meter
Special feature: Ash Brickmach series			

Production size (mm)	Per stroke	Per Hours	Per 8hrs. / Shift	Output Image
230 x 110 x 75mm	12 pcs.	2,160 pcs.	17,280 pcs.	

Technical details			
Hydraulic Pressure	20 to 30 Tones	Oil tank capacity	400 Liters
Vibration Motor	5 + 5 Hp Motor	Pallets size	23" x 23"
Electricity Require.	34.5 Hp / 25.73 kW	Total Area	1900 Square meter
Special feature: Ash Brickmach series			

Production size (mm)	Per stroke	Per Hours	Per 8hrs. / Shift	Output Image
230 x 110 x 75mm	8 pcs.	1,440 pcs.	11,520 pcs.	


Model no.: BHA-302DV (8cv.)



Model no.: BHA-302EV (6cv.)




Technical details			
Hydraulic Pressure	20 to 30 Tones	Oil tank capacity	300 Liters
Vibration Motor	5 + 5 Hp Motor	Pallets size	18" x 22"
Electricity Require.	27 Hp / 20.13 kW	Total Area	1900 Square meter
Special feature: Ash Brickmach series			

Production size (mm)	Per stroke	Per Hours	Per 8hrs. / Shift	Output Image
230 x 110 x 75mm	6 pcs.	1,080 pcs.	8,640 pcs.	

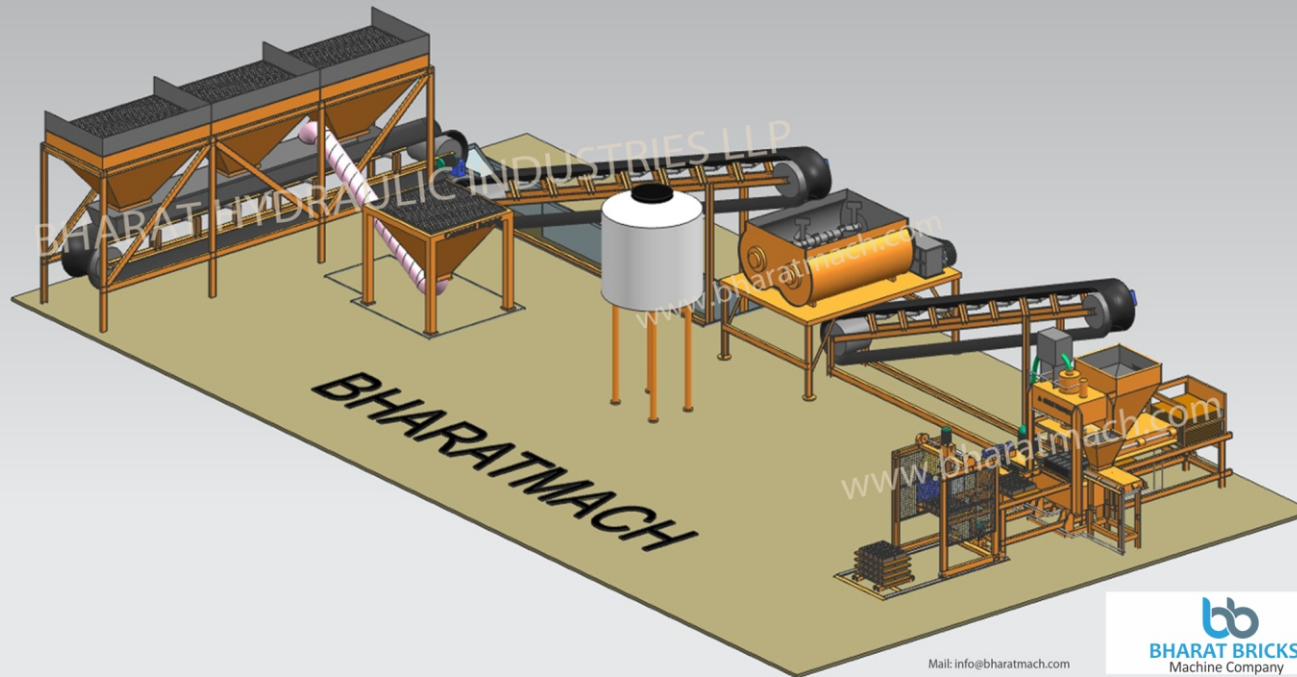
ASH BRICKMACH SERIES



TECHNICAL DETAILS	MODEL NO.:		BHF-300V 32 CVT.	BHF-300V 24 CVT.	BHAS-301V 18 CVT.	BHA-302BV	BHA-302CV	BHA-302DV	BHA-302EV
	HYDRAULIC PRESSURE IN TONES		50 to 60	40 to 50	30 to 40	30 to 40	30 to 40	20 to 30	20 to 30
	VIBRATION MOTOR		15 + 15 HP	12.5 + 12.5 HP	10 + 10 HP	7.5 + 7.5 HP	7.5 + 7.5 HP	5 + 5 HP	5 + 5 HP
	TOTAL ELECTRICITY REQUIREMENT	H.P.	108 HP	93 HP	59.5 HP	49 HP	42 HP	34.5 HP	27 HP
		kW	80.54 kW	69.35 kW	44.37 kW	36.54 kW	31.32 kW	25.73 kW	20.13 kW
	OIL TANK CAPACITY IN LITERS		750 LITERS	750 LITERS	600 LITERS	500 LITERS	400 LITERS	400 LITERS	300 LITERS
	RECYCLE PLY PALLETS SIZE		44" x 48"	38" x 44"	34" x 36"	24" x 32"	24" x 28"	23" x 23"	18" x 22"
PRODUCTION CAPACITY									
	CVT. PER STROKE BRICKS		32 CVT.	24 CVT.	18 CVT.	12 CVT.	10 CVT.	8 CVT.	6 CVT.
	PER HOURS PRODUCTION		5,760 NOS.	4,320 NOS.	3,240 NOS.	2,160 NOS.	1,800 NOS.	1,440 NOS.	1,080 NOS.
	SHIFT / 8HRS. PRODUCTION		46.080 NOS.	34.560 NOS.	25.920 NOS.	17.280 NOS.	14.400 NOS.	11.520 NOS.	8.640 NOS.

FULLY AUTOMATIC BRICK AND BLOCK MACHINE WITH BATCHING PLANT - FULL SETUP VIEW

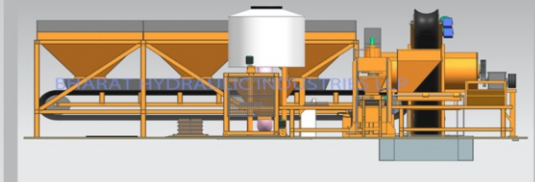
Full plant setup view



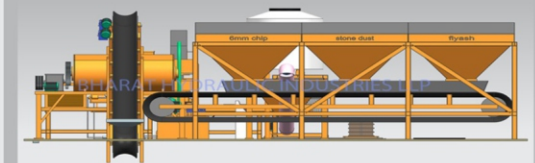
Plant back side view



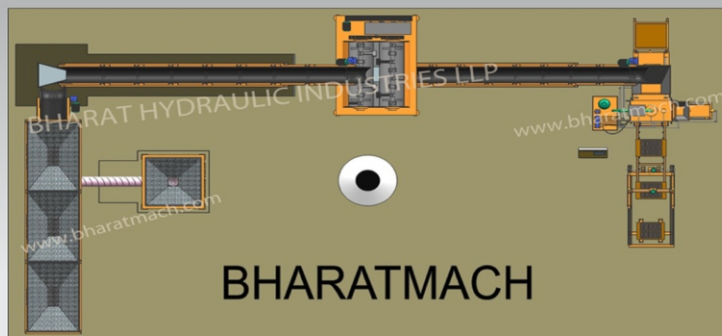
Brick machine side view



Batching plant side view



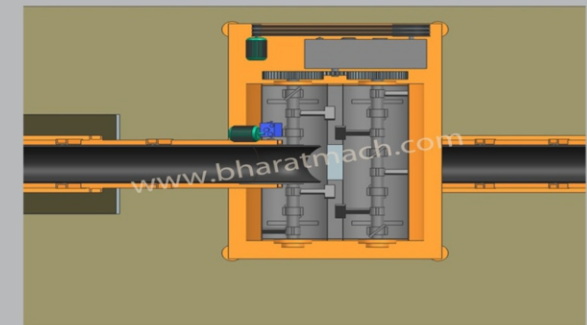
Top view



Brick Machine view







Twin shaft mixer machine top view



INTERLOCK PAVERMCH SERIES



TECHNICAL DETAILS	MODEL NO.:		BHF-400V 28 CVT.	BHF-400V 21 CVT.	BHF-400V 18 CVT.	BHAS-401V 15 CVT.	BHAS-401BV 10 CVT.	BHA-402CV 8 CVT.	BHA-402DV 6 CVT.
	HYDRAULIC PRESSURE IN TONES		50 to 60	50 to 60	50 to 60	30 to 40	30 to 40	125 to 150	100 to 125
	VIBRATION MOTOR		15 + 15 HP	15 + 15 HP	10 + 10 HP	10 + 10 HP	7.5 + 7.5 HP	2 HP	2 HP
	TOTAL ELECTRICITY REQUIREMENT	H.P.	110 HP	100 HP	90 HP	61.5 HP	54 HP	44 HP	36.5 HP
		kW	82.03 kW	74.57 kW	67.11 kW	45.86 kW	40.27 kW	32.81 kW	27.22 kW
	OIL TANK CAPACITY IN LITERS		750 LITERS	750 LITERS	600 LITERS	600 LITERS	500 LITERS	400 LITERS	400 LITERS
	RECYCLE PLY PALLETS SIZE		44" x 48"	38" x 46"	36" x 38"	34" x 36"	26" x 34"	24" x 28"	23" x 23"
PRODUCTION CAPACITY	 with color	CVT. PER STROKE ZIGZAG	28 CVT.	21 CVT.	18 CVT.	15 CVT.	10 CVT.	8 CVT.	6 CVT.
		PER HOURS PRODUCTION	3,444 NOS.	2,583 NOS.	2,214 NOS.	1,935 NOS.	1,230 NOS.	984 NOS.	738 NOS.
		SHIFT / 8HRS. PRODUCTION	27,552 NOS.	20,664 NOS.	17,712 NOS.	15,480 NOS.	9,840 NOS.	8,256 NOS.	5,184 NOS.
	 with color	CVT. PER STROKE I SHAPE	25 CVT.	20 CVT.	16 CVT.	12 CVT.	9 CVT.	6 CVT.	4 CVT.
		PER HOURS PRODUCTION	3,075 NOS.	2,460 NOS.	1,968 NOS.	1,548 NOS.	1,107 NOS.	774 NOS.	492 NOS.
		SHIFT / 8HRS. PRODUCTION	24,600 NOS.	19,680 NOS.	15,744 NOS.	12,384 NOS.	8,856 NOS.	6,192 NOS.	3,936 NOS.
		CVT. PER STROKE ZIGZAG	28 CVT.	21 CVT.	18 CVT.	15 CVT.	10 CVT.	8 CVT.	6 CVT.
		PER HOURS PRODUCTION	4,620 NOS.	3,465 NOS.	2,970 NOS.	2,475 NOS.	1,650 NOS.	1,320 NOS.	990 NOS.
		SHIFT / 8HRS. PRODUCTION	36,960 NOS.	27,720 NOS.	23,760 NOS.	19,800 NOS.	13,200 NOS.	10,560 NOS.	7,920 NOS.
		CVT. PER STROKE I SHAPE	25 CVT.	20 CVT.	16 CVT.	12 CVT.	9 CVT.	6 CVT.	4 CVT.
		PER HOURS PRODUCTION	4,125 NOS.	3,300 NOS.	2,640 NOS.	1,980 NOS.	1,485 NOS.	990 NOS.	660 NOS.
		SHIFT / 8HRS. PRODUCTION	33,000 NOS.	26,400 NOS.	21,120 NOS.	15,840 NOS.	11,880 NOS.	7,920 NOS.	5,280 NOS.



Model no.: BHF-500V (10cv.)

Technical details			
Hydraulic Pressure	50 to 60 Tones	Oil tank capacity	750 Liters
Vibration Motor	15 + 15 Hp Motor	Pallets size	44" x 48"
Electricity Require.	108 Hp / 80.54 kW	Total Area	2400 Square meter
Special feature: Vibrotech Hollow Block Machine with Batching series			

Production size (mm)	Per stroke	Per Hours	Per 8hrs. / Shift	Output Image
400 x 200 x 200mm	10 pcs.	1,650 pcs.	13,200 pcs.	



Model no.: BHAS-501V (4cv.)

Technical details			
Hydraulic Pressure	30 to 40 Tones	Oil tank capacity	500 Liters
Vibration Motor	10 + 10 Hp Motor	Pallets size	24" x 36"
Electricity Require.	59.5 Hp / 44.37 kW	Total Area	2100 Square meter
Special feature: Vibrotech Hollow Block Machine with Stacking series			

Production size (mm)	Per stroke	Per Hours	Per 8hrs. / Shift	Output Image
400 x 200 x 200mm	4 pcs.	600 pcs.	4,800 pcs.	

Model no.: BHA-502BV (3cv.)



Technical details			
Hydraulic Pressure	30 to 40 Tones	Oil tank capacity	500 Liters
Vibration Motor	7.5 + 7.5 Hp Motor	Pallets size	24" x 32"
Electricity Require.	49 Hp / 36.54 kW	Total Area	2100 Square meter
Special feature: Vibrotech Hollow Block Making Machine			

Production size (mm)	Per stroke	Per Hours	Per 8hrs. / Shift	Output Image
400 x 200 x 200mm	3 pcs.	450 pcs.	3,600 pcs.	

Model no.: BHA-502DV (2cv.)



Technical details			
Hydraulic Pressure	20 to 30 Tones	Oil tank capacity	400 Liters
Vibration Motor	5 + 5 Hp Motor	Pallets size	23" x 23"
Electricity Require.	34.5 Hp / 25.73 kW	Total Area	1900 Square meter
Special feature: Vibrotech Hollow Block Making Machine			

Production size (mm)	Per stroke	Per Hours	Per 8hrs. / Shift	Output Image
400 x 200 x 200mm	2 pcs.	300 pcs.	2,400 pcs.	

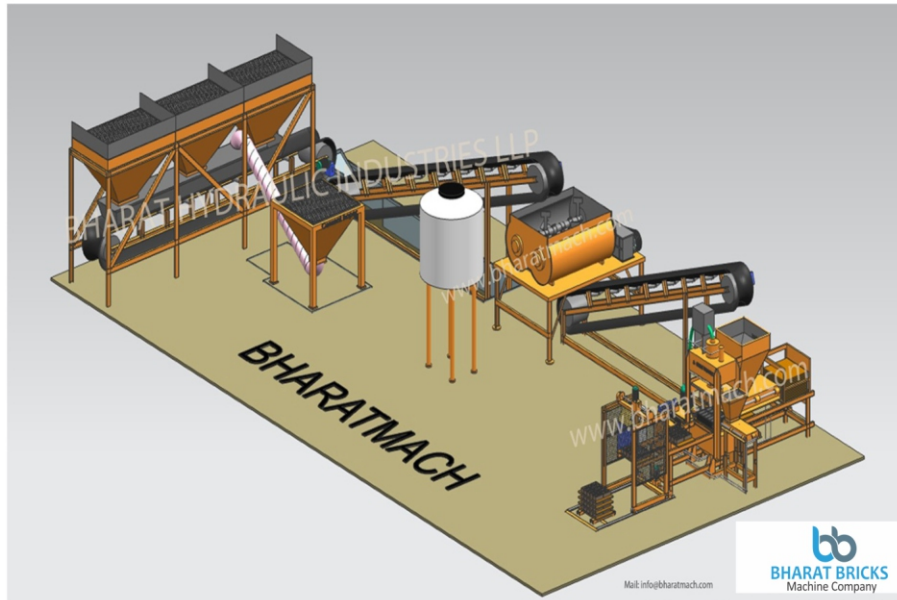
Model no.: BHA-502EV (1cv.)




Technical details			
Hydraulic Pressure	20 to 30 Tones	Oil tank capacity	300 Liters
Vibration Motor	5 + 5 Hp Motor	Pallets size	18" x 22"
Electricity Require.	27 Hp / 20.13 kW	Total Area	1900 Square meter
Special feature: Vibrotech Hollow Block Making Machine			

Production size (mm)	Per stroke	Per Hours	Per 8hrs. / Shift	Output Image
400 x 200 x 200mm	1 pcs.	150 pcs.	1,200 pcs.	

HOLLOW BLOCK MACHINE SERIES



TECHNICAL DETAILS	MODEL NO.:		BHF-500V 10 CVT.	BHF-500V 8 CVT.	BHAS-501V 4 CVT.	BHA-502BV	BHA-502DV	BHA-502EV	--
	HYDRAULIC PRESSURE IN TONES		50 to 60	40 to 50	30 to 40	30 to 40	20 to 30	20 to 30	--
	VIBRATION MOTOR		15 + 15 HP	12.5 + 12.5 HP	10 + 10 HP	7.5 + 7.5 HP	5 + 5 HP	5 + 5 HP	--
	TOTAL ELECTRICITY REQUIREMENT	H.P.	108 HP	93 HP	59.5 HP	49 HP	34.5 HP	27 HP	--
		kW	80.54 kW	69.35 kW	44.37 kW	36.54 kW	25.73 kW	20.13 kW	--
	OIL TANK CAPACITY IN LITERS		750 LITERS	750 LITERS	600 LITERS	500 LITERS	400 LITERS	300 LITERS	--
	RECYCLE PLY PALLETS SIZE		44" x 48"	38" x 44"	34" x 36"	24" x 32"	23" x 23"	18" x 22"	--
PRODUCTION CAPACITY									
	CVT. PER STROKE BRICKS		10 CVT.	8 CVT.	4 CVT.	3 CVT.	2 CVT.	1 CVT.	--
	PER HOURS PRODUCTION		1,650 NOS.	1,320 NOS.	600 NOS.	450 NOS.	300 NOS.	150 NOS.	--
	SHIFT / 8HRS. PRODUCTION		13,200 NOS.	10,560 NOS.	4,800 NOS.	3,600 NOS.	2,400 NOS.	1,200 NOS.	--


Vibrotech Fly Ash Brick & Block Making Machine Features

- Manual Hydraulic/Non hydraulic lever operated feature latest technology with Small panel.
- Manual material feeding & Mould Push/Pull system.
- Manual Brick & Block making manufacturing capacity.
- Manual lifting of finished goods output for speedy & smooth operation.
- The moulds are changeable and it is able to produce various kind of blocks, bricks, interlocks pavers and solid block in different types, sizes, shapes

Model no.: BHS-203AV (12cvt.)





Technical details			
Vibration system	Double / Triple Vibrator	Oil tank capacity	80 Liters
Electricity Require.	8 Hp / 5.97 kW	Total Area	1000 Square meter
Special feature: Egg Laying system Manual Hydraulic Brick & Block Machine			

Production size (mm)	Per stroke	Per Hours	Per 8hrs. / Shift	Output Image
230 x 110 x 75mm	12 pcs.	720 pcs.	5,760 pcs.	
300 x 100 x 200mm	8 pcs.	480 pcs.	3,840 pcs.	
400 x 200 x 200mm	4 pcs.	240 pcs.	1,920 pcs.	

Model no.: BHS-204FV (4cvt.)




Technical details			
Vibration system	1 Hp Motor	Oil tank capacity	---
Electricity Require.	1 Hp / 0.746 kW	Total Area	800 Square meter
Special feature: Hand Pressure Manual Vibro. Brick & Block Machine			

Production size (mm)	Per stroke	Per Hours	Per 8hrs. / Shift	Output Image
230 x 110 x 75mm	4 pcs.	240 pcs.	1,920 pcs.	
400 x 200 x 200mm	2 pcs.	120 pcs.	960 pcs.	

Model no.: BHS-504HV (2cvt.)




Technical details			
Pressure	Hand press system	Oil tank capacity	---
Vibration Motor	1 Hp / 0.746 kW	Pallets size	---
Electricity Require.	1 Hp / 0.746 kW	Total Area	650 Square meter
Special feature: Hand Pressure Vibro. Hollow Block Machine series			

Production size (mm)	Per stroke	Per Hours	Per 8hrs. / Shift	Output Image
400 x 200 x 200mm	2 pcs.	120 pcs.	960 pcs.	

Model no.: BHS-204IV (1cvt.)



Technical details			
Hydraulic Pressure	Hand press system	Oil tank capacity	---
Vibration Motor	1 Hp / 0.746 kW	Pallets size	---
Electricity Require.	1 Hp / 0.746 kW	Total Area	650 Square meter
Special feature: Hand Pressure Vibro. Manual Brick Machine			

Production size (mm)	Per stroke	Per Hours	Per 8hrs. / Shift	Output Image
400 x 200 x 200mm	1 pcs.	60 pcs.	480 pcs.	

Types of Brick can produce by Heavy Hydraulic Brick & Block Making Machine technology

	<p>230 x 110 x 75mm 225 x 100 x 70mm 190 x 90 x 90mm 254 x 125 x 75mm 230 x 150 x 75mm</p>		<p>Standrad size 250 x 112.5 x 80mm Height of Block 60/80/100/120mm</p>	
	<p>400 x 100 x 200mm 400 x 200 x 200mm 300 x 200 x 150mm 300 x 150 x 200mm 390 x 190 x 90mm</p>		<p>Standrad size Height of Block 60/80/100/120mm</p>	
	<p>400 x 100 x 200mm 400 x 200 x 100mm 390 x 140 x 190mm 200 x 300 x 150mm 300 x 150 x 200mm</p>		<p>Standrad size 200 x 100 x 100mm Height of Block 60/80/100/120mm</p>	

Products we are using



Red / Clay Bricks



Fly Ash Brick



Solid Block

General

- 1. Red Bricks :** A Red brick is a single unit of a ceramic i.e. clay material used in machinery construction.
- 2. Fly Ash Bricks :** Fly ash bricks are environment friendly bricks which are made using fly ash. They are also called pulverised fuel ash – lime bricks.
- 3. Solid Concrete Blocks :** Solid blocks are precast concrete blocks which are primarily made from cement and fine aggregates.

Raw Materials

- 1. Red Bricks :** Red bricks are made by mixture of clay (alumina), sand, lime, iron oxide and magnesia. Sand from locally available natural soil is used for production of bricks.
- 2. Fly Ash Bricks :** Fly ash bricks are made from the mixture of fly ash, cement, sand, lime, and gypsum.
- 3. Solid Concrete Blocks :** Solid blocks are precast concrete blocks which are primarily made from cement and fine aggregates.

Uses

- 1. Red Bricks :** Red bricks are strong, hard, and durable, therefore they are used as a structural material in different structures such as buildings, bridges, foundations, arches and cornices, and pavements.
Red bricks are also used for aesthetic purposes such as facing bricks, architectural purposes, exposed practice work and in landscaping.
- 2. Fly Ash Bricks :** Fly ash bricks are strong and durable bricks which are used as an alternative to clay bricks. They can be used in masonry construction as well as for other uses in which red bricks are used.
- 3. Solid Concrete Blocks :** Solid Concrete Blocks are used for both load-bearing and non-load bearing walls, partitions and-panel walls, as backing for other types of facing material, for piers, for retaining walls, garden walls, chimneys and fire places.

Properties : Sizes available in market

- 1. Red Bricks** : Standard modular sizes are: 190x90x90mm or 190x90x40mm / Standard non modular sizes are: 230x110x70mm or 230x110x30mm
- 2. Fly Ash Bricks** : Standard modular sizes are: 190x90x90mm or 190x90x40mm / Standard non modular sizes are: 230x110x70mm or 230x110x30mm
- 3. Solid Concrete Blocks** : Standard sizes available in the market: / Length: 400, 500 or 600 mm x Width 50, 75, 100, 150, 200, 250 or 300 mm x Height: 200 or 100 mm.
However, it defers from manufacturer to manufacturer.

Properties : Compressive Strength

- 1. Red Bricks :** Depending upon class of the red bricks, its compressive strength ranges from 3.5 to 35 N/mm². Though IS code provides maximum strength of 35 N/mm², the maximum strength that is available in the market is 7.5 N/mm².
- 2. Fly Ash Bricks :** Water absorption of fly ash bricks should not be more than 15 – 20% of its weight.
- 3. Solid Concrete Blocks :** Water absorption of solid concrete blocks should not be more than 10% of its weight.

Properties : Water Absorption

- 1. Red Bricks :** Water absorption of brick should not be more than 20% of its weight.
- 2. Fly Ash Bricks :** Depending upon class of the fly ash bricks, its compressive strength ranges from 3.5 to 35 N/mm². Though IS code provides maximum strength of 35 N/mm², the maximum strength that is available in the market is 7.5 N/mm².
- 3. Solid Concrete Blocks :** Depending upon the grade, its compressive strength ranges from 4 to 5 N/mm².

Properties : Thermal Conductivity

- 1. Red Bricks :** 0.6 – 1.0 W/m K. The amount of heat transfer from a specific material is called its thermal conductivity. The thermal conductivity of brick is high, and hence heat transfer from brick is more than that of Fly Ash Bricks.
- 2. Fly Ash Bricks :** 0.3 – 0.4 W/m K. Thermal conductivity of fly ash bricks is more than AAC block, but less than red bricks.
- 3. Solid Concrete Blocks :** 0.7 – 1.28 W/m K. Thermal conductivity of solid concrete blocks is more than red bricks.

Properties : Sound Insulation / Noise Transmission

- 1. Red Bricks :** The brick wall has good sound insulation property due to its dense structure. 45 db sound is reduced by 150 mm and 50 db sound is reduced by 230 mm thick walls.
- 2. Fly Ash Bricks :** The fly ash bricks have moderate sound insulation property. 37 – 39 db sound is reduced by 100 mm thick brick.
- 3. Solid Concrete Blocks :** 51 db sound is reduced by 150 mm thick wall of solid concrete blocks. Hence it has good sound insulation property.

Properties : Termite Resistance

- 1. Red Bricks :** Red bricks are not termite resistant as they are made from clay which is an organic material.
- 2. Fly Ash Bricks :** Fly ash bricks are insect resistant as they are made from inorganic materials. Thus they do not spread termites and pests.
- 3. Solid Concrete Blocks :** Solid concrete block does not allow the spread of termites and pests hence increase the life of wall.

Efficiency : Mortar Consumption

- 1. Red Bricks :** Requires more mortar due to irregular surfaces & more number of joints.
- 2. Fly Ash Bricks :** Requires less mortar due to flat and even surfaces, but number of joints are same.
- 3. Solid Concrete Blocks :** Requires less mortar due to flat and even surfaces & less number of joints.

Efficiency : Water Usage During Manufacturing

- 1. Red Bricks :** Requires more water for curing and hence high amount of electricity bill and labour cost.
- 2. Fly Ash Bricks :** Fly ash bricks are cured by steam and hence thus require less water during manufacturers. They use water like red bricks during placing on the site.
- 3. Solid Concrete Blocks :** Solid concrete blocks are cured for 7 to 14 days after casting. Hence they use a considerable amount of water during manufacturing.

Efficiency : Breakage & Utilisation

- 1. Red Bricks :** Average 10 to 12 % or even more breakage happens on construction site depending upon the quality of bricks. So 100% utilisation is not possible. Even at some place, due to the poor quality of bricks, wastage goes up to 33%, while loading, unloading, etc.
- 2. Fly Ash Bricks :** Negligible breakage. Almost 100% utilization is possible.
- 3. Solid Concrete Blocks :** Negligible breakage. Almost 100% utilization is possible.

Environmental Impact

- 1. Red Bricks :** Red brick is not a green product. Red bricks are made from the clay which is naturally available material but it reduces the top fertile soil cover. Hence, the land available for agriculture gets reduced. More amount of CO₂ is emitted during the manufacturing of red bricks.
- 2. Fly Ash Bricks :** Fly ash bricks utilize fly ash waste which is generated from thermal power plants. Thus it helps and solves disposal problem. Conservation of top soil is done as they do not use clay. Very low amount of CO₂ is emitted during manufacturing process of fly ash bricks.
- 3. Solid Concrete Blocks :** Solid concrete blocks are cured for 7 days after casting, hence they use considerable amount of water during their manufacturing process. Less amount of CO₂ is emitted in atmosphere while manufacturing solid concrete blocks.

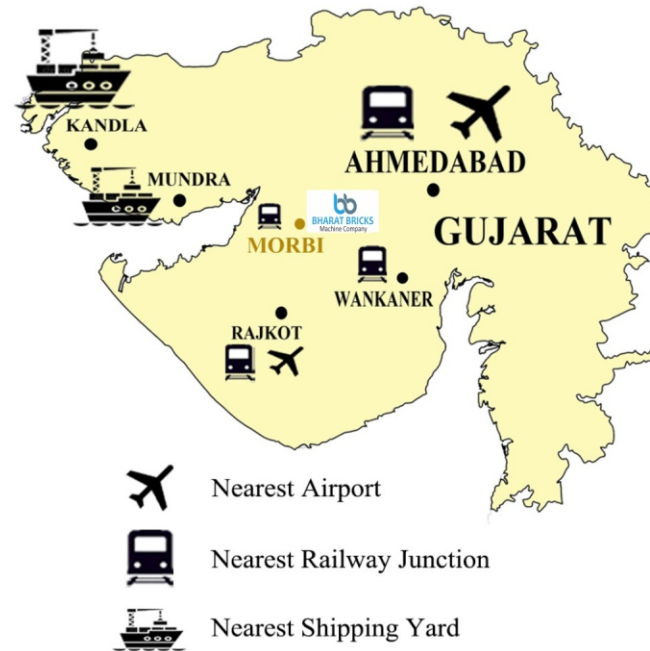
Cost

- 1. Red Bricks :** They are cheaper as compared to other masonry units. However, overall cost is more, as it requires more mortar both for joints and plaster. Extra bricks are to be ordered to account waste due to breakage. Cost of environmental damage is beyond calculation.
- 2. Fly Ash Bricks :** Fly ash bricks are the cheapest masonry units. Overall cost is more as they require more mortar.
- 3. Solid Concrete Blocks :** Individual block is costlier than bricks, but the overall cost of masonry is low, as it consumes less mortar. Also for same dimensions of the walls, less numbers of solid concrete blocks are required as compared to red bricks. They are cheaper than AAC blocks and CLC blocks.

There are some very straight forward advantages of using fly ash bricks:

1. They are light in weight and hence are very suitable for multi-floored buildings. This is because as the height of the buildings increase, the stress and tension on the foundation and structure increase too. With light bricks, this stress and tension are reduced manifold.
2. Fly ash bricks absorb less heat and considering the Indian climate, it makes it better when compared to clay bricks.
3. From the cost front, it requires less mortar during construction. Further, the machine that we provide requires less labor too. Our machines are made keeping in mind the costs associated with water wastage and raw material wastage too. You hence save in the breakage front (15%), the plaster and jointing front (15%) and curing and labor front (7%). So BHARATMACH fly ash brick machines reduce the overall costs.
4. The compressive strength is very high and they are less porous. They absorb less water and saves cost there, as well.
5. It is environmentally friendly and hence allows your business to take a step towards sustainable development. BharatMach machines are green machines too, that promote environmental protection and conservation. Production of fly ash bricks requires no fossil fuel and hence does not lead to the emission of green house gases.
6. Production of clay bricks damages the top-soil and this is prevented in the manufacturing process of fly ash bricks. There is no pollution or environmental damage, as a result of which it has been put into the white category of products.
7. Fly ash bricks are stronger, more uniform and denser as compared to clay bricks. While their mortar consumption is low, their wastage is only about 1% as against that of clay bricks which are about 10%.

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