



KARMYOG
= Hi-Tech Machineries =



**WE BUILD
YOUR FUTURE**

"**KARMYOG HI-TECH MACHINERIES**" a well known brand of "Fly Ash Bricks Making Machine" all over India founded in 1996 by Mr. Bharat Lohar, with the vision to provide the top notch quality products to its customers, to gain goodwill by providing on time support to their customers and to retain the most talented workforce by cultivating their skills and by rewarding them for their achievement. We have **15 years** of experience and 800+ happy customers in **FLY ASH BRICKS MAKING MACHINE** all over India. With Over 20 years of experience in the field of Construction Equipments, Karmyog Hi- Tech Machineries have been successfully designing, manufacturing and exporting Fly Ash Bricks Making plants (Manual and fully automatic), AAC Plants (Autoclaved Aerated Concrete), Concrete Block Making Plants (Manual and fully automatic), Paver Block Making Plants (Manual and fully automatic), Tractor Mounted Loader, Mini Dumper, Dozer, Furnace Charger, Batching Plant and various construction accessories throughout India and few other countries outside India. We believe that quality of the product and efficiency of the product decides the long term relationship of a company with their valuable customers. Our products are extensively in demand owing to their superior quality, optimal working capacity, higher performance, prompt after sales support and cost effectiveness. Our products are manufactured, while keeping in mind, the whole field of modern challenges and customer requirements. Based at Bhuj, Gujarat we have been able to easily connect with our vendors and customers across the country and globally. We have our machines in almost every area of India which includes **Gujarat, Madhya Pradesh, U.P, Maharashtra, Rajasthan, Chhattisgarh, Orissa, Jharkhand, West Bengal, Assam, Haryana, Uttarakhand, Himachal Pradesh, Bihar, Delhi, Tamil Nadu, Telangana, Nagaland, Punjab, Andhra Pradesh.** And outside India region that includes South Africa, East Africa, Nepal.

With the restriction to use of clay bricks by government, there is a huge market for bricks which are made up of Fly Ash, an unwanted residue obtained from coal-fired power plants. The demand for Fly Ash Bricks is increasing day by day as Fly Ash has best suited the requirement for various infrastructure projects, saves energy, high compressive strength, reduces mercury pollution, and costs 20% less than traditional clay brick and other type of bricks.

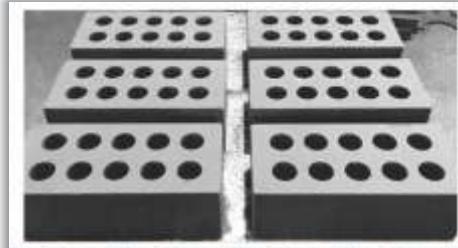


KMA 72 Automatic Fly Ash Brick/Block/Paver Machine



Parameters	Specifications
Installed Capacity & Power	31hp, IIIphase
Tonnage of Hydraulic Pressure	72 ton with vibrator
Strength of Bricks	100-150 KG/CC depend on material mixing
Total Land for Production	Minimum 2000 sq.m.

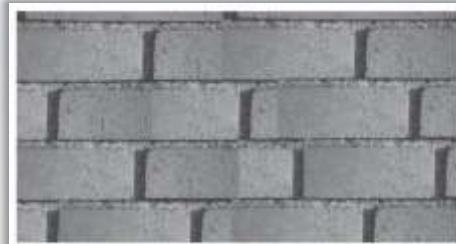
Product	Size	Outcome/Stroke	Stroke/Min	Production Qty./8h
Fly Ash Bricks	230mmx110mmx75mm	6 Bricks	4	11,520 nos.
Pavers	Standard size as per required design	4 Pavers	3.5 (with face)	6720 nos. (with face)
Blocks	200mmx200mmx400mm	2 Blocks	4	3840 nos.
	150mmx200mmx400mm	2 Blocks	4	3840 nos.
	100mmx200mmx400mm	3 Blocks	4	5760 nos.



Parameters	Specifications
Installed Capacity & Power	42.5hp, IIIphase
Tonnage of Hydraulic Pressure	120 ton with vibrator
Strength of Bricks	100-150 KG/CC depend on material mixing
Total Land for Production	2000 sq.m.

Product	Size	Outcome/Stroke	Stroke/Min	Production Qty./8h
Fly Ash Bricks	230mmx110mmx75mm	10 Bricks	4	19,200 nos.
Pavers	Standard size as per required design	6 Pavers	3.5 (with face)	10,080 nos. (with face)
Blocks	200mmx200mmx400mm	3 Blocks	4	5,760 nos.
	150mmx200mmx400mm	3 Blocks	4	5,760 nos.
	100mmx200mmx400mm	4 Blocks	4	7,680 nos.

KMA 144 Automatic Fly Ash Brick/Block/Paver Machine



Parameters	Specifications
Installed Capacity & Power	44hp, IIIphase
Tonnage of Hydraulic Pressure	144 ton with vibrator
Strength of Bricks	100-150 KG/CC depend on material mixing
Total Land for Production	Minimum 2000 sq.m.

Product	Size	Outcome/Stroke	Stroke/Min	Production Qty./8h
Fly Ash Bricks	230mmx110mmx75mm	12 Bricks	4	23,040 nos.
Pavers	Standard size as per required design	8 Pavers	3.5 (with face)	13,440 nos. (with face)
Blocks	200mmx200mmx400mm	3 Blocks	4	5,760 nos.
	150mmx200mmx400mm	4 Blocks	4	7,680 nos.
	100mmx200mmx400mm	4 Blocks	4	7,680 nos.

KMA 180 Automatic Fly Ash Brick/Block/Paver Machine



Parameters	Specifications
Installed Capacity & Power	47hp, IIIphase
Tonnage of Hydraulic Pressure	180 ton with vibrator
Strength of Bricks	100-150 KG/CC depend on material mixing
Total Land for Production	Minimum 3000 sq.m.

Product	Size	Outcome/Stroke	Stroke/Min	Production Qty./8h
Fly Ash Bricks	230mmx110mmx75mm	15 Bricks	4	28,800 nos.
Pavers	Standard size as per required design	10 Pavers	3.5 (with face)	16,800 nos. (with face)
Blocks	200mmx200mmx400mm	4 Blocks	4	7,680 nos.
	150mmx200mmx400mm	6 Blocks	4	11,520 nos.
	100mmx200mmx400mm	8 Blocks	4	15,360 nos.

KMA 252 Automatic Fly Ash Brick/Block/Paver Machine



Parameters	Specifications
Installed Capacity & Power	65hp, IIIphase
Tonnage of Hydraulic Pressure	252 ton with vibrator
Strength of Bricks	100-150 KG/CC depend on material mixing
Total Land for Production	Minimum 4000 sq.m.

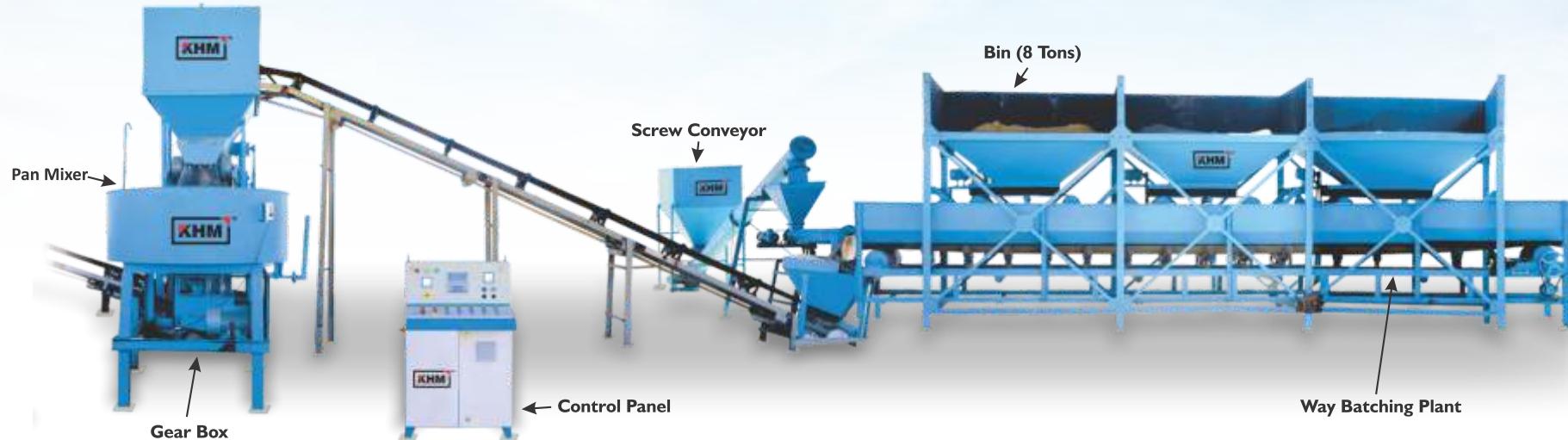
Product	Size	Outcome/Stroke	Stroke/Min	Production Qty./8h
Fly Ash Bricks	230mmx110mmx75mm	21 Bricks	4	40,320 nos.
Pavers	Standard size as per required design	15 Pavers	3.5 (with face)	25,200 nos. (with face)

Fully-Automatic Machine



Today's world believes in perfection, defined production and on time delivery with minimal interference of man power. To serve this high end world Karmyog came up with "Fully- Automatic Machine" which requires very less man power and promises quality outcome. All automatic models of Fly Ash Bricks/Blocks/Pavers can be converted into fully automatic machines; the only thing a customer requires is, to invest extra in Batching Plant (in Batching Plant the required raw material is transferred to 3 bins with the help of Tractor Loader. From here, the raw material will be automatically weighed in pre-determined proportion and transferred to pan mixer through Conveyor Belt System) and Front End Stacker (front end stacker is used to stack green bricks/pavers/blocks on hydraulic pallet truck up to lines after which it is transferred to storage area for curing).

A Fully-automatic Fly Ash Bricks/Blocks/Paver Making Machine is controlled by Control Panel with PLC programming system to help automation of raw material feeding, mixing, conveyor belt operating to bricks formation & bricks output. One skilled worker can handle the system & it helps to overcome limitations of man power. The 7inch touch screen helps the user to view the process of Machine and at the same time the user can track daily production outcome with the help of Panel.

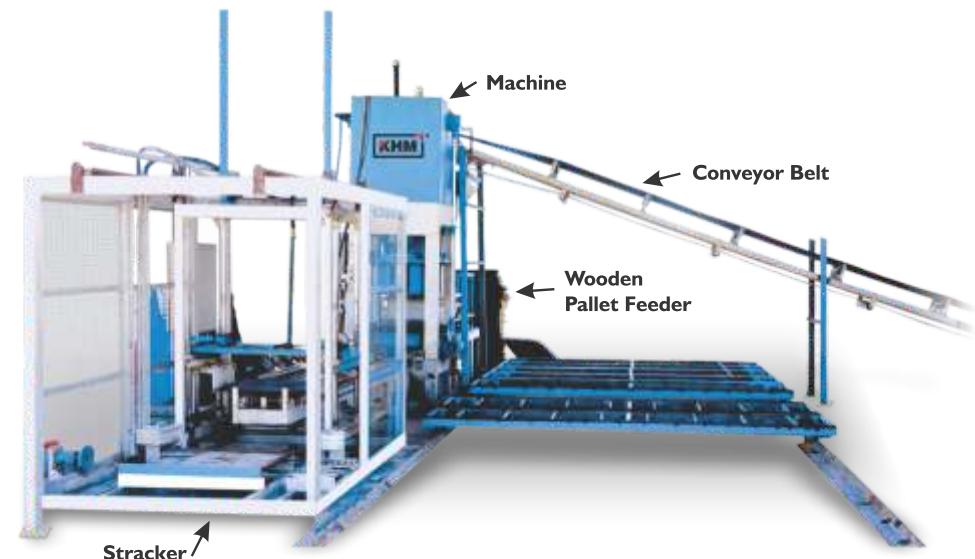


Batching Plant is a three Bin weighing machine which will come in Fully Automatic Model of Fly Ash Bricks or Paver Making Machine. Batching Plant consists of three Bins with 8ton capacity in each bin where all the required raw material in a pre-defined proportion weighed and transferred equally to each Pan Mixer with the help of material separator system and conveyor belt system. At the same time the cement is weighed separately and transferred to Pan Mixer through Screw Conveyor. All functions are controlled automatically with Control Panel.

Green Products Handling System

Front End Stacker

Karmyog Hi-Tech Machineries "Front End Stacker" comes in Fully-Automatic Fly Ash Bricks/Blocks/Pavers Plant. Front End Stacker is used to stack green Bricks/Blocks/Pavers pallet up to 10 lines after which the green product with the help of Pallet Truck are shifted and transferred to storage area for curing. To make production of Brick/Block/Paver effective, handling system plays important role and ensures you minimal wastage while stacking and transferring.



Manual Fly Ash Brick/Block/Paver Machines

KMA 48 (Automatic/Manual) Brick/Block/Paver Machine

Parameters	Specifications
Installed Capacity & Power	18hp, IIIphase
Tonnage of Hydraulic Pressure	48 ton with vibrator
Total Land for Production	Minimum 2000 sq.m.

Product	Size	Outcome/ Stroke	Stroke/ Min	Production Qty./8h
Fly Ash Bricks	230mmx110mmx75mm	4 Bricks	4	7680 nos.
Pavers	Standard size as per required design	2 Pavers	3.5 (with face)	3360 nos. (with face)
Blocks	200mmx200mmx400mm 150mmx200mmx400mm 100mmx200mmx400mm	1 Block 1 Block 2 Blocks	4 4 4	1920 nos. 1920 nos. 3840 nos.

(Note: In manual machine the production outcome will depends on operators efficiency)



KMM 72 Fly Ash Bricks Machine

Parameters	Specifications
Installed Capacity & Power	25hp, IIIphase
Bricks Per Stroke	6 Bricks/Stroke 625 Bricks/ Hour (depends on operators speed)
Brick Size	230mm X 110mm X 75mm (or as per your requirement)
Tonnage of Hydraulic Pressure	72 ton with vibrator
Strength of Bricks	100-150 KG/CC depend on material mixing
Raw Material	Flyash, Sand, Hydrated Lime & Gypsum or Flyash, Sand & Cement
Total Land for Production	Minimum 2000 sq.m.



Front and Loader

Hydraulic System: Tandem/Vane Pump directly coupled to crank pulley of engine feeds loader. Pay Load - 1 ton. Loader consists of Heavy Duty loader cylinders along with double action & chromed rods. Directional Control Valve (Multiple) with two spools double acting & pressure release valve for loader control.

Front Axle:

Modified strength and front axle with new spindle king pin and hub assemble with 900 X 16 tyres.



Engine:

Any type of 45 HP to 80 HP Tractors.

Specification of Loader

Parameters	Specifications
Bucket Capacity	0.8 cubic mtr.
Pay Load	1000 kg.
Lifting Height	3.2 to 4.00 mtr.
Output per hour (approx.)	1000 cft.

Working Time:

Lifting Time to maximum height with loader bucket	06 seconds
Dumping Time	04 seconds
Lowering Time	04 seconds

(Note: All specifications are subject to tractor horse power)

Dozer

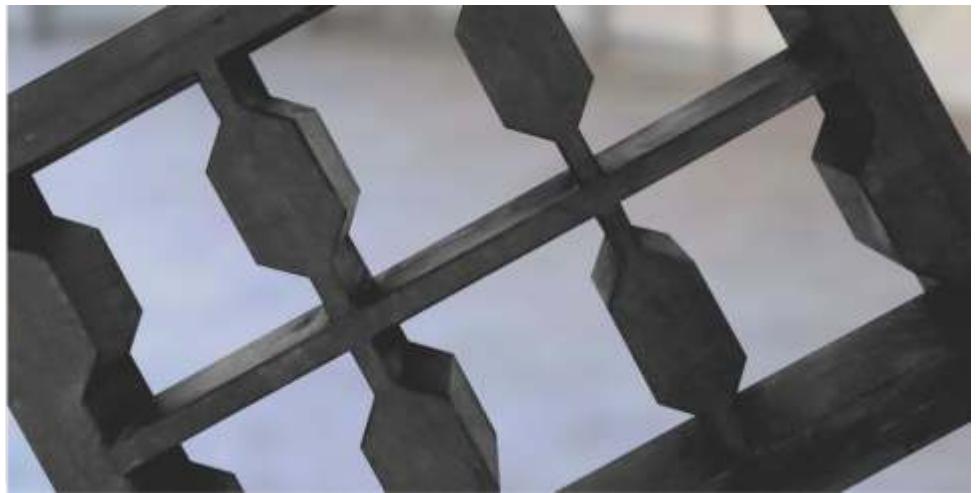
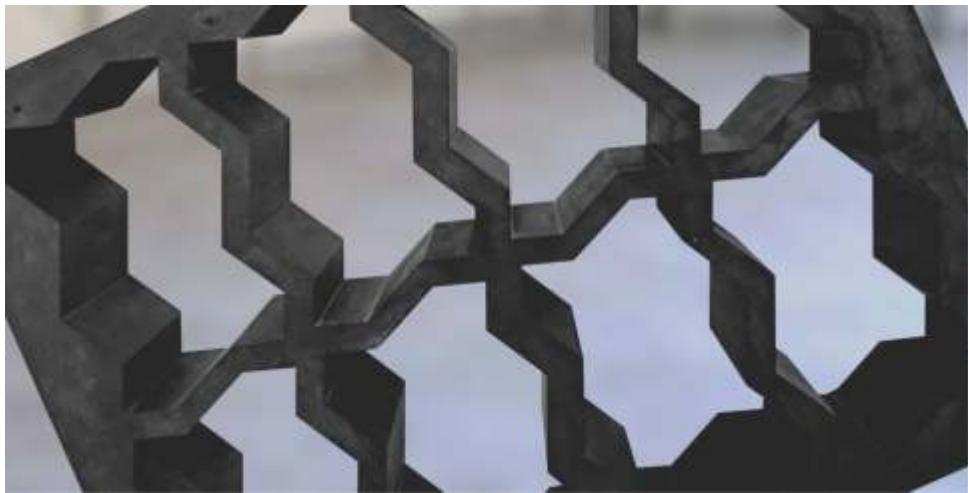


Hydraulic System:

- ♦ Scientifically designed, reinforced, Heavy duty blade.
- ♦ Option of single/double cylinder,
- ♦ Option of top extension – Bush/stick Guard
- ♦ Patented Design - avoid tractor damages.

Specification of Dozer:

- Suitable for Any type of 45 HP to 80 HP Tractors
- ♦ Blade size : W. 8 feet / H. 2.5 feet
- ♦ Blade lifting from ground : 2.5 feet
- ♦ Clearance between tractor and blade : 2 feet
- ♦ Blade can move both side in 15 degree (optional)



Moulds are considered as one of the main part of the machine. The precision in manufacturing of moulds results in clean and precise production of Fly Ash Bricks/Blocks/Pavers. Karmyog has special equipments and talent required for manufacturing of Fly Ash Bricks/Pavers/Blocks Mould. The steel used in manufacturing of moulds are specially casted.

Raw Material



Fly Ash



Hydrated Lime



Cement



Gypsum



Stone Dust



Plaster Sand



Water

The above mention raw materials are used with different combinations to make quality products

Other Products



KM
Green Brick Shifting Trolley



KP
Shifting Pallet Truck



KS
Brick Strength Testing Machine



KPM
Pan Mixer



KPC
Concrete Mixer



KW
Wheel Barow



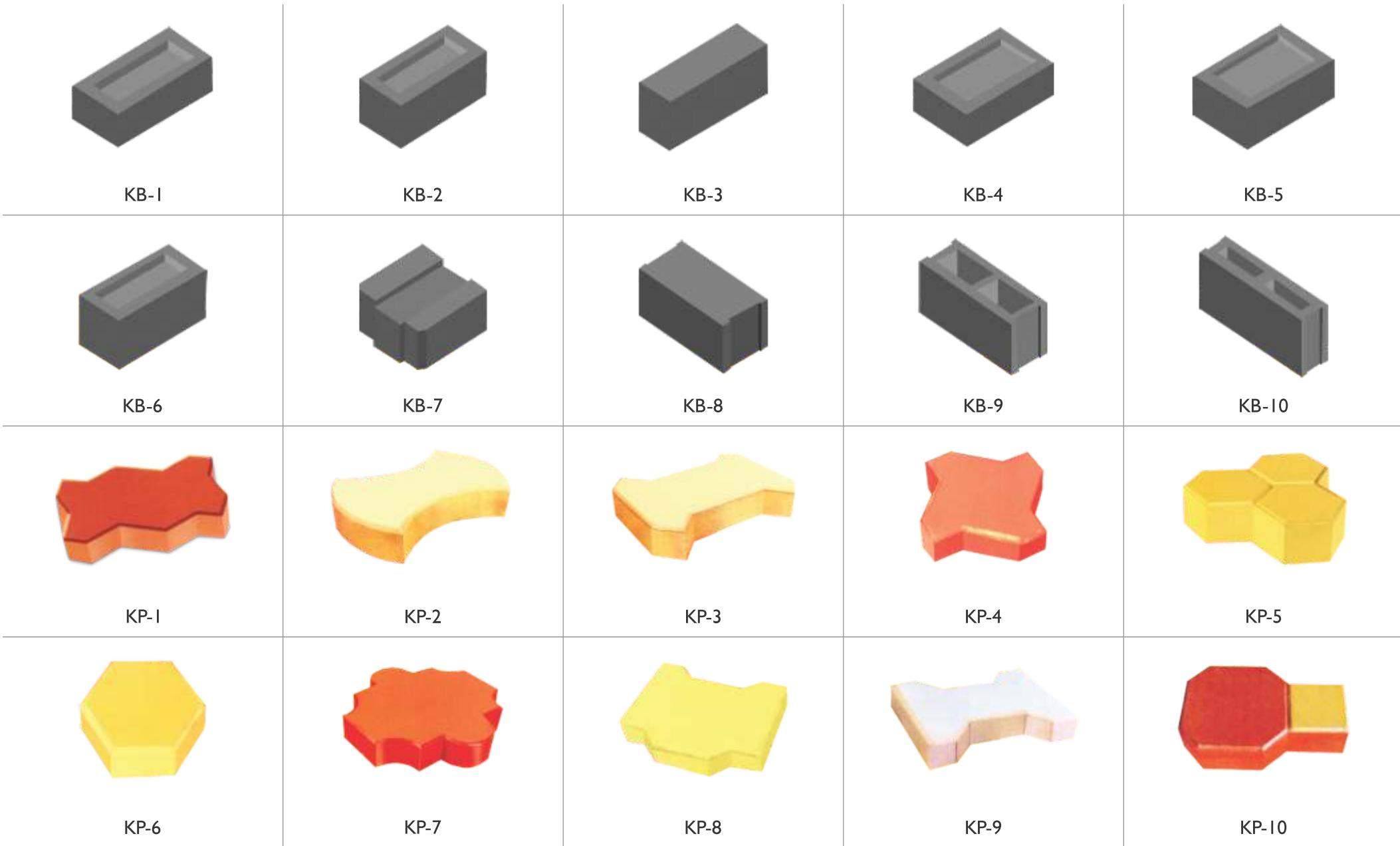
KV
Vibrating Table



KC
Color Mixer



KFS
Front Stracker



Why Karmyog?

State of the art infrastructure empowered with a cutting edge technology, in house manufacturing unit and ultra modern machineries to provide superior quality product.

Almost all crucial parts of the machine are manufactured by karmyog and Karmyog have developed its own unique Vibro-System.

Huge Customer Base gives a chance to new customers to visit the live plant in near by areas before making purchase decision.

Managed by Qualified and Experienced professionals.

A well established branch in Fly Ash Bricks Making Machine since 2006. This many years of experience and market presence in almost every state of India.

Fly ash Bricks uses 50% of fly ash, this overcomes the problem of water and air pollution, saves agricultural land which are destroyed by making Red Bricks, and there is no emission of green house gases during its production.

Brands We Use



SIEMENS

ABB

DOWTY

Rexroth
Bosch Group

atos

Parker

Apollo

YUKEN
Hydraulics

TATA

ESSAR
ESSAR STEEL LTD.

LARSEN & TOUBRO

Schneider
Electric

DUNLOP

MAK
LUBRICANTS

KHM
Fly Ash Bricks



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