



Jupiter Bricks Pvt. Ltd.

The Master of Bricks



Jupiter in Bricks Industry

Jupiter Equipments Manufacturer & Supplier (JEMS) is the pioneer in bricks manufacturing machinery and all kinds of bricks manufacturing since 1988. And we would like to introduce branches are in Bahrain, Saudi, Qatar, Dubai and China



Founder & CEO: Abivi. M. R. Jehan & China Br. MD: Mr. Li Kun

Our Mission

Our mission is to provide superior quality construction industry materials & products (manufactured in a safe and efficient environment by highly trained and dedicated personnel) on-time deliveries, and reactive & knowledgeable customer service.



Our Vision

Our vision is to become the india preferred quality high tech bricks making machinery manufacturer, supplier, service provider and world-class manufacturer of brick machines and finishing equipment. Our motto is "Boon of technical".



Variety of Bricks

The Jupiter's construction materials and technologies & concepts builds, renovates and re-equips the bricks making factories. In addition, the company updates the technological profile of old factories by replacing the traditional extrusion method with the new dry pressing method. This cuts in half the cost per brick.

We provide engineering design documentation, estimates, supply equipment and all necessary construction work for bricks - making factories that produce the following types of bricks:

Dry Pressed Bricks

Stiff Extrusion Bricks

Traditional Extrusion Bricks

Clinker Bricks



Brick Supply Selling, Importing & Exporting

We import, manufacture, design, supply all kinds of clay bricks & holo bricks and bricks manufacturing machinery.

1. Sand AAC block making machine
2. Holo Brick Machine

We specialize in exporting machinery and meeting your demands on time. We carry a full line of new and used machinery, OEM parts and placement system from top manufactures. All in stock and ready to ship, We have a wide range of colours from red bricks to brown bricks including blue engineering bricks. Whether you are looking for house bricks or garden bricks as the India's leading brick suppliers we are able to offer an express nation-wide delivery service. We stock brick ranges from all the leading suppliers.

We focus on supply of these products from small to medium size builders, owner builders, trades and projects. We are committed to offering the best possible service and products at a very competitive price. What most homeowners desire is a roof that's not too expensive, requires no maintenance, and lasts forever. But most roofs are replaced or at least repaired every ten years. By carefully choosing your home's roofing material, you can reduce the cost of replacement. In the long run, you'll use less building material, fill up less landfill space with discarded material, and put less demand on our natural resources.

You can realize other environmental benefits from your roofing choices. If you select a light-colored surface or a material that doesn't absorb heat from the sun, you significantly reduce your home's cooling needs. When ur home stays cooler, your cooling bills go down.



Bricks work Components

Bricks work components, the latest innovation from Jupiter, combining speed and consistency of off-site manufacture with the flexibility and cost saving of on-site construction. It's easy, it's quick, it's a building revolution.

Eco Products

At Jupiter we have taken some of our environmental ideas and put them into action - creating a range of eco-products that can help meet the special environmental needs of a site - often now a requirement of the planning process. The importance of creating eco-habitats is now recognised in the Code for Sustainable Housing.

Refurbishment Bricks

Restoration and refurbishment projects are often more demanding in terms of their brick requirements. Not only do they need to match up on colour but also in size. Ibstock offers the most comprehensive range of bricks in a variety of sizes taking into account regional demands for brick types and sizes. To assist in your choice our refurbishment range has been divided into the different size formats. To view a particular range just click on the relevant size tab.

Traditional Stock Bricks

Individuality has an important part to play in today's society of speed and mass production. When designing and building your home you want it to reflect your desires and the way you feel. You want it to say something about you...

The Jupiter range of traditional stock bricks has been created for you. All the products are manufactured at our smaller brickworks that have been producing bricks for centuries.



Variety of Roofing & Floor Tiles

Limitless is the best way to describe Jupiter selection. With dozens of current standard profiles, historical styles spanning Jupiter 20-years history and the capability to create or match custom designs, nearly any shape imaginable can grace your roof. Add in Jupiter's full spectrum of colors and finishing techniques, along with an extensive line of accessories, and the result is truly a vision without compromise.

Barrel

One of the most popular tile in Jupiter product line, Spanish tile is prized for its simple, one-piece barrel design which provides a pattern of distinctive ripples across the roof. Often synonymous with clay roof tile, Spanish tile enhances virtually any style of architecture from small bungalows to large public institutions.



Flat Shingle Tile

One of the most popular tile in Jupiter product line, Spanish tile is prized for its simple, one-piece barrel design which provides a pattern of distinctive ripples across the roof.



Interlocking Tile

Jupiter french low profile interlocking tile was introduced in the 1890's. A favorite of discriminating architects, it is one of the most sculptured and dimensional products in Jupiter line. Large and durable, French tile has deep locks on all four sides, plus two prominent flutes on the surface for dramatic aesthetics as well as fast drainage.



TileTec

A standard single tile installation has a triple tile lap at the headlap to prevent water from penetrating the joints. The innovative TileTec system substitutes a high tech polymer interlayment that allows for an installation with a double lap at the headlap. This reduce pieces and weight per square approximately 37%.



Roof Tiles Design, Manufacture, Supply & Export

We design, manufacture, import & supply all kinds of floor tiles, roof tiles and tiles making Machinery. You can realize other environmental benefits from your roofing choices. If you select a light-colored surface or a material that doesn't absorb heat from the sun, you significantly reduce your home's cooling needs. When your attic stays cooler, your cooling bills go down.

There is a wide choice of materials used to roof a house, ranging from thatch - dried grass, to slate - pieces of stone. Modern products like plastic, fiberglass and concrete are available, and some innovative, energy-efficient homes are being roofed with sod. New products are being developed to overcome the shortcomings of older roofing materials, meet the demands of modern building techniques, and conform to increasingly stringent building codes.

Here is a rundown on the most popular types of roofing. Remember that cost alone does not determine quality, and not all of these products will meet the needs of your home. But by carefully selecting the right material, making sure it's installed properly and performing modest maintenance occasionally, you can have a roof that functions properly for 20 to 50 years - or even longer.



Variety of Paver/Floor Tiles

Jupiter pavers provides professional design, installation and maintenance of all phases of landscaping pavers and walls.

Our pavers is at the forefront of paving stone installation. We enjoy what we do, are constantly striving for excellence and warranty our work from the ground up.

Brick Paver Drive Ways

A professionally installed brick paver driveway can give an elegant first impression of your home. Installing a beautiful brick paver driveway is the best way to create stunning curb appeal and enhance the true beauty of your home.

Brick Paver Patios

It is easy to keep your patio looking picture perfect simply by installing brick pavers. Other materials such as wood or concrete can require quite additional of maintenance.

Brick pavers provide a unique decorative look to your patio with out the worry of cracking or discoloration. This affordable solution is ideal for the home owner who wants beauty and longterm durability of their outdoor patio.

Paver Tiles & Overlays

1 inch brick paver tiles are an excellent solution for overlaying existing patios and pool decks that do not receive vehicle traffic. Overlaying paver tiles over existing concrete can often be a cost effective solution as opposed to the removal of concrete.



Pavers Firing

The range of kilns designed and built by Jupiter consists of refractory brick-built tunnel kilns or prefabricated structure tunnel kilns; both feature combustion systems with burners installed in the roof and a combustion space between one pack and the next. Jupiter kilns are designed and built according to the customer's specific plant engineering requirements and feature all the apparatus and instrumentation needed to ensure optimisation of consumption & compliance with product-specific process requirements.



Paving Slabs

Jupiter paving slabs are available in a range of colours & textures. We take great care in the manufacturing of our paving slabs to ensure the best quality of surfaces for you.

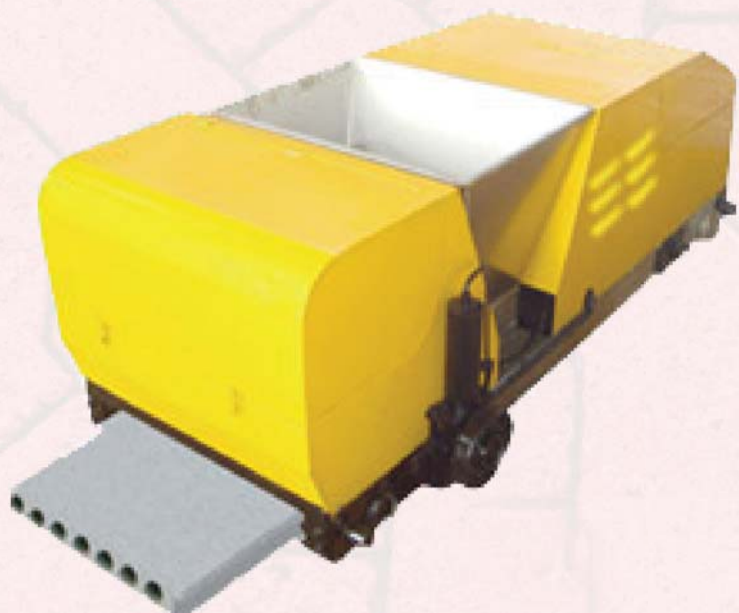


Readymade compound wall slab making machine

Light Weight Panel Machine, which has got national patent in Haitian Company can produce lightweight wall board with good quality. The molding rule is extrusion strength inside the machine.

The lightweight panels can be put prestressed steels on both up and below sides. The steel diameter can reach to 6m in order to enhance the strength of the panel.

Flexible operation and high efficiency.



You have chosen bricks & tiles for many reasons—durability, classic style, and variety in design and color. What you may not know is that Jupiter bricks company can custom design and hand craft bricks shapes to extend your design concept and artistic effect to create a one-of-a-kind structure. We have already produced a large array of brick shapes adaptable to many designs, but your imagination need not be confined to these standard brick shapes.



Solutions & Remedy for Bricks Manufacturers Facing Problems

India's bricks manufacturing segment is facing steep challenges related to environmental and labour shortage problems along with rising energy expenses. Improved automation, labour health & safety, stringent environmental regulations along with public-private partnership will improve the long-term competitive advantage.

Problems need to be identified correctly for a solution to be found; not always easy when faced with a faulty brick or batch of bricks. So the notes try to highlight the main problems, the reasons for them, and possible solutions. We will consider the final product, the fired bricks and trace faults back to their cause 1. In reality smallscale bricks makers often face many Problems such as marketing, business management, record keeping and fuel scarcity. Quality control is only one aspect of running a successful enterprise. In fact, the main problem is seldom technical. For example, it's no good upgrading the output of a brickworks, causing extra work and expense, if customers aren't prepared to pay more for improved quality. Nevertheless, it is worth knowing where problems originate and how they might be solved, particularly for brickworks suffering heavy losses or unable to meet the standard their market demands.



Environment Survey & Study

The objective of the present study was to evaluate the impact of bricks making process on environment and human health. The results show that there are adverse effects of these industries on soil, water, air, vegetation and human health. Bricks are mainly made of soil and numbers of additives are added to the soil to increase the strength of bricks. The use of excessive amount of soil causes soil degradation. These industries use huge amount of fuel and kiln process used at present in these industries is highly inefficient which leads to air pollution and causes damage to vegetation and human health. Besides these, the waste along with water flows back in the river, increasing the total solids, suspended solids, dissolved oxygen, calcium hardness, total hardness etc. High pollution levels in rivers near these industries has been noticed, which could be possibly due to leaching of compounds from raw materials used in brick industries. It is not possible to prohibit these industries because they are essential for economic growth and development of the city. The paper discusses the effect of these industries on the environment and human health and suggests alternative sustainable strategies for the kiln process, so that economic development and environmental protection can go hand in hand.



Training, Soil & Bricks Quality Testing Facility

Bricks makers are faced with the challenges of producing bricks of satisfactory quality efficiently, economically and sustainably with particular regards to mitigating environmental change. Current technologies for bricks production such as clamps, down draught kilns and Jupiter's consume large quantities of fuel such as coal, firewood and other biomass.

1) Soil Selection

A site evaluation has to be carried out to make sure that you have suitable soil for bricks manufacture. A number of cheap & easy tests have been created to effectively test soil quality.

2) Stabilisation & Mix Preparation

First the soil must be sieved to remove foreign elements from the soil. Then the soil must be mixed with a stabiliser to maximise strength – usually cement, but lime can also be used.

3) Compaction

The soil mixture then needs to be compacted to ensure strength and quality. Generally a manual hand press is used.



Variety of Firing Chamber & Firing Materials

There are several types of kiln but they can be allocated to two main categories.

Intermittent kilns:

These are static, usually small kilns and are used for firing small batches of products

Continuous kilns:

For large scale bricks production continuous kilns are more economical and are capable of turning out large quantities of bricks at a steady constant rate. There are two main types of continuous kiln chamber and continuous kiln tunnel.

Chamber kiln:

In its simplest form a chamber kiln is an annular tunnel divided off into chambers . A section of the kiln (about 4-5 chambers) is being fired at any one time. Bricks are loaded into the kiln in front of the fire and pre-heat for 1-2 days before the fire reaches them. The bricks then fire for 2-3 days. Once the fire has passed, the bricks cool before being removed from the kiln. then replaced with fresh dry bricks awaiting the fire's next circuit.

Tunnel kiln:

In a tunnel kiln dry bricks are loaded onto a fireproof trolley or kiln car. This then travels very slowly through the kiln. Typical schedule through the kiln from end to end is 3-4 days but variations occur depending on production schedules. Although tunnel kilns are generally more expensive to build than chamber kilns they are more economical to run and lend themselves to high degrees of automatic control. It is essential that tunnel kilns are run on a continuous basis for ideally several years at a time between shut-downs.

Design, Manufacture & Supply Steam Power Energy by Chamber Waste Heat

The bricks production sector is one of the most energy intensive industry. The calcination process of clinker is the most energy intensive in bricks production, because waste gases with temperature lower than $400\text{ }^{\circ}\text{C}$ was emitted from the clinker cooler and pre-heater respectively at the kiln head and tail, the heat losses accounted for more than 30% of thermal consumption for clinker production, which meant large amount of energy was wasted. To recover the waste heat for power generation will reduce both energy consumption for bricks production, particularly including electricity or fuel consumption for in-house power station and pollutant emission such as CO_2 and SO_2 and dust, while the phenomenon of hot island was avoided near the bricks plant.



Import and Manufacturing Bricks Machinery & Equipments

Jupiter has consistently adhered to the business philosophy of integrity, pragmatism and innovation as well as the principle of seeking truth from facts. We insist on a responsible and trustworthy attitude, regard the user's success as our business goals. Taking the users' satisfaction as our service tenet, we will try our best to provide the users with high quality, competitive prices of products and excellent, thoughtful and fast reliable service.

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

- ▶ Introduce the situation and product categories of our company;
- ▶ According to the local market demands, guide the users to choose product category;
- ▶ According to the production demand and the investment scale, guide the users to choose the right equipment;
- ▶ Accompany on-the-spot investigation on production, introduce the production processes and explain the difficult problems;

On-sale service—Meticulous and scientific on-sale service makes your choice more worry-saving and reliable.

- ▶ Review the contact, confirm or amend the uncertainties or the issues that have to be fixed through negotiations by both parties.
- ▶ Assign production orders and arrange production as per requirement.
- ▶ Provide the plant layout of workshop and foundation drawing of equipment in advance.
- ▶ Provide technical consultation as well as the advices on the plan of factory establishment.

After-sales service—Thoughtful and prompt after-sales service provides support and guarantee for your benefits.

- ▶ Send the technicians to carry out the installation and debugging of equipment for the foreign users with compensation. Countries or regions with unstable political situation or in the throes of wartime are not included in our plan. .
- ▶ Train the users to command the equipment and guide them for safe production.

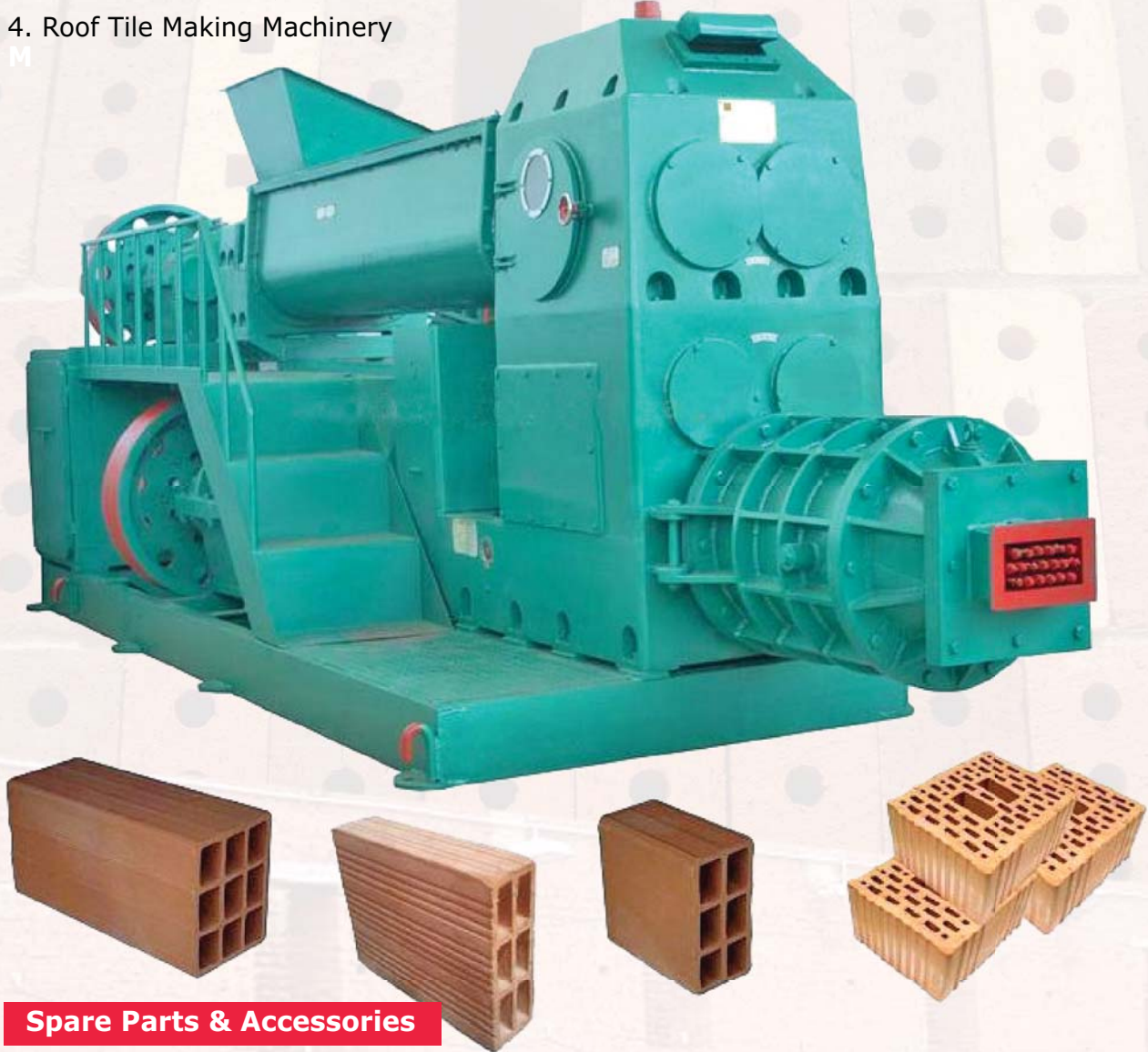


New & Used Machineries

We import & supply all kinds of bricks, floor pavers machinery, equipments, parts, part, dye, mould, accessories and consumables.

We specialize in exporting machinery and meeting your demands on time. We carry a full line of new and used machinery OEM and equivalent parts and placement system from top manufactures, All in stock and ready to ship.

1. Sand Block Making Machinery
2. Holo Brick Machinery
3. Floor Pavers
4. Roof Tile Making Machinery



Spare Parts & Accessories

Our parts centers are supply replacement and equivalent quality parts for all makes and models of machinery that are no longer manufactured. We are also able to offer a backup unit from our hire fleet in instances where the customer's machines is removed from service for major service work clients.

All Brand & Non-Brand Construction Industry Materials Manufacturing Machinery

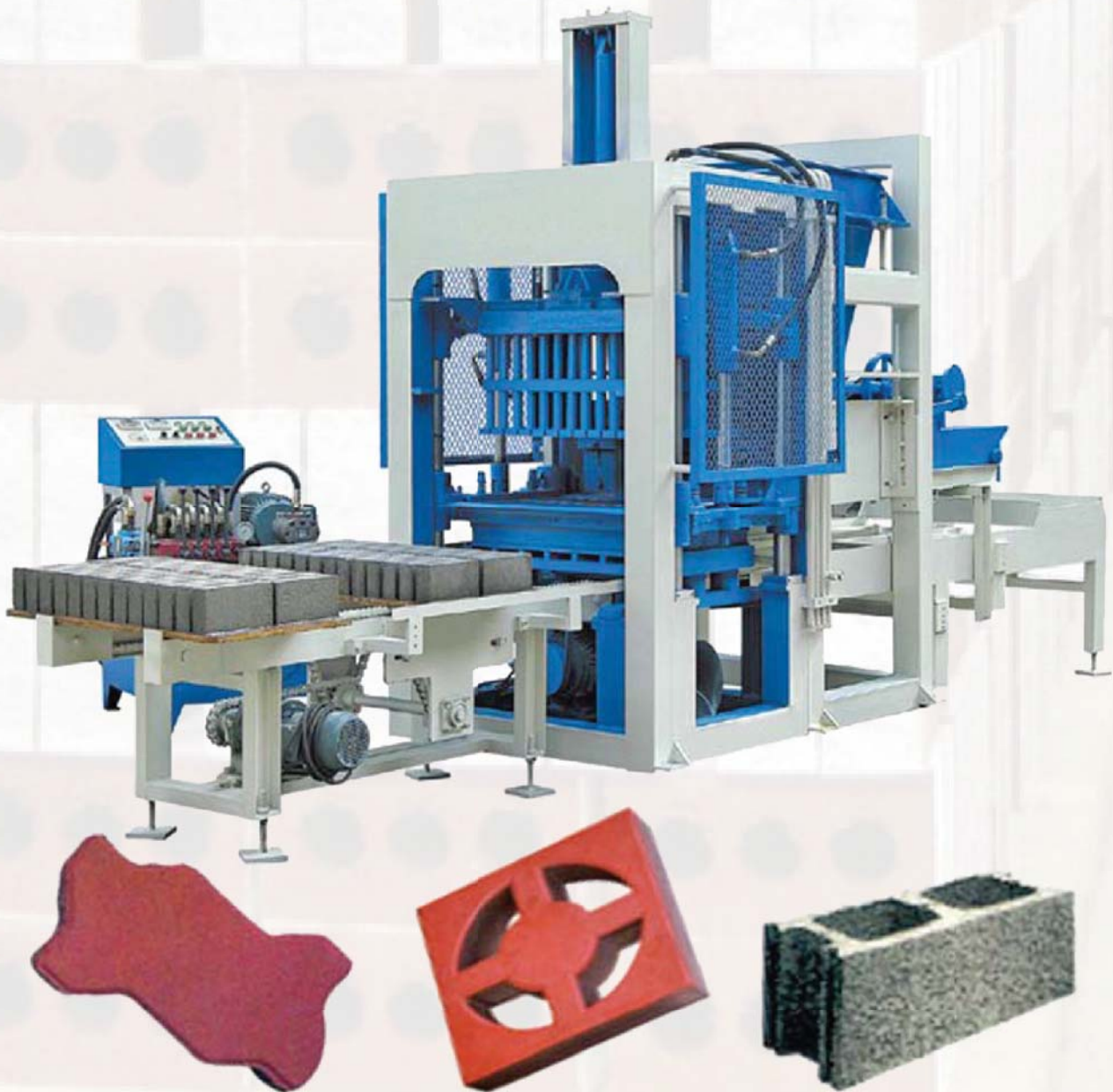
- Electrical Electronic Control Panels
- Concrete Pumps, Motors
- Filters, Gears
- Shifting Cylinders, Agitator Shafts

Concrete Block Making Machine

Concrete block making machine is a kind of economic-type machine exploited according to the requirement of small and medium-sized enterprise. It carries out the semi-automatic production by adopting manual valve control.

It adopts hydraulic drive, double-layered material feeding (color face bricks), vibration press and it has the double-control function of height and density. It has great excellence such as high vibration force, easy operation, convenient maintenance, reliable running, economy and utility, low investment and quick effect etc.

It produces various bricks & blocks including color-face bricks (layered material feeding) through-body tiles, dock linkage blocks, road curb bricks, sod bricks, hydraulic block shallow blocks, perforated bricks and standard bricks etc.



Interlock Block Making Machinery

Block making machinery hydraulically compress soil that contains a small amount of clay and silt mixed with cement into soil cement blocks. When cured, the blocks can be dry-stacked with no mortar. HYDRAFORM soil cement interlocking blocks lock front and back, top and bottom so each block is dry stacked and locked into place. The unique dry-stacking building system uses mortar in the first few courses and the top 3-4 courses. The rest of the super structure is dry-stacked representing significant savings in time and construction costs.



Manual brick machine

We design, manufacture & supply as a multi-purpose machine, exchanging mold can produce normal bricks, hollow bricks, multi-holes bricks. Simple structure to operation (two workers are enough) but high efficiency and low investment.

It can move and no need pallets which cut down the cost and have hydraulic to be-mould, so the press and speed are high and its price is low.



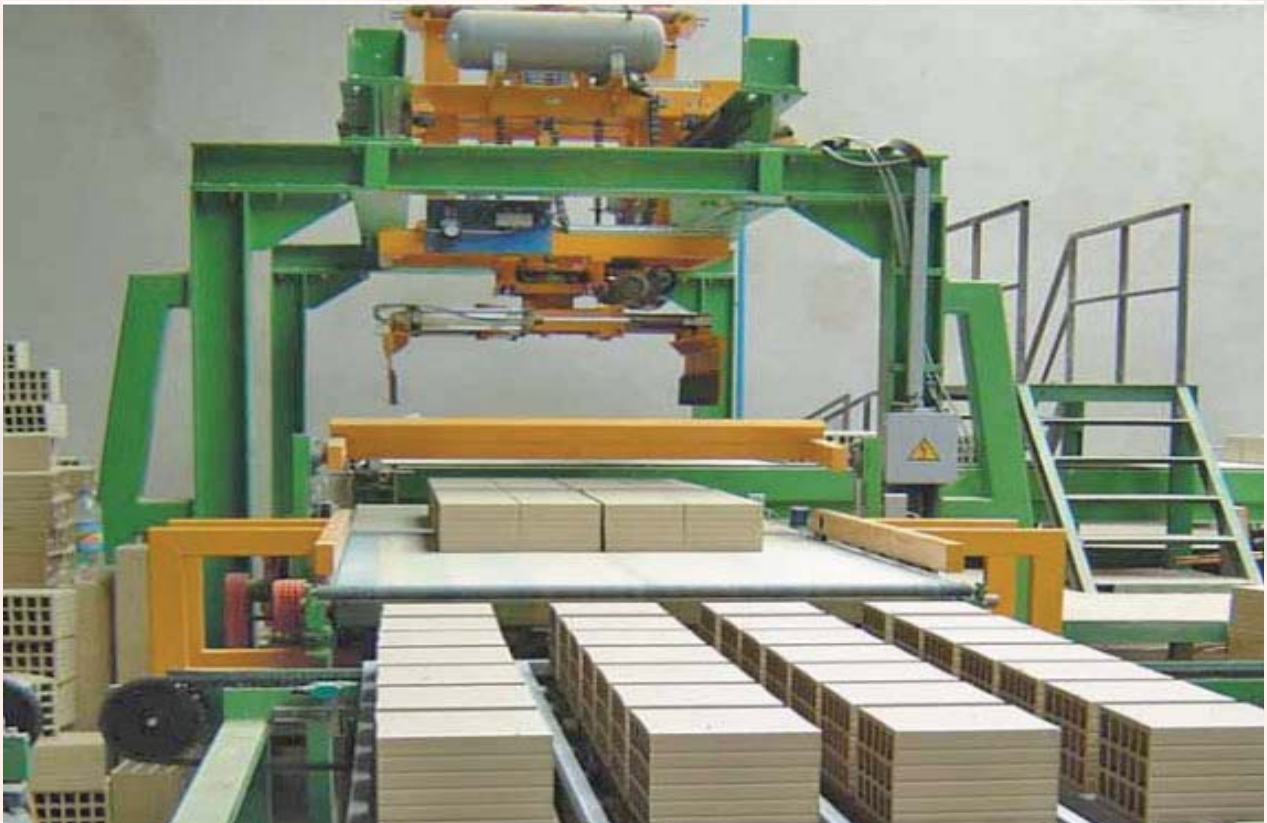
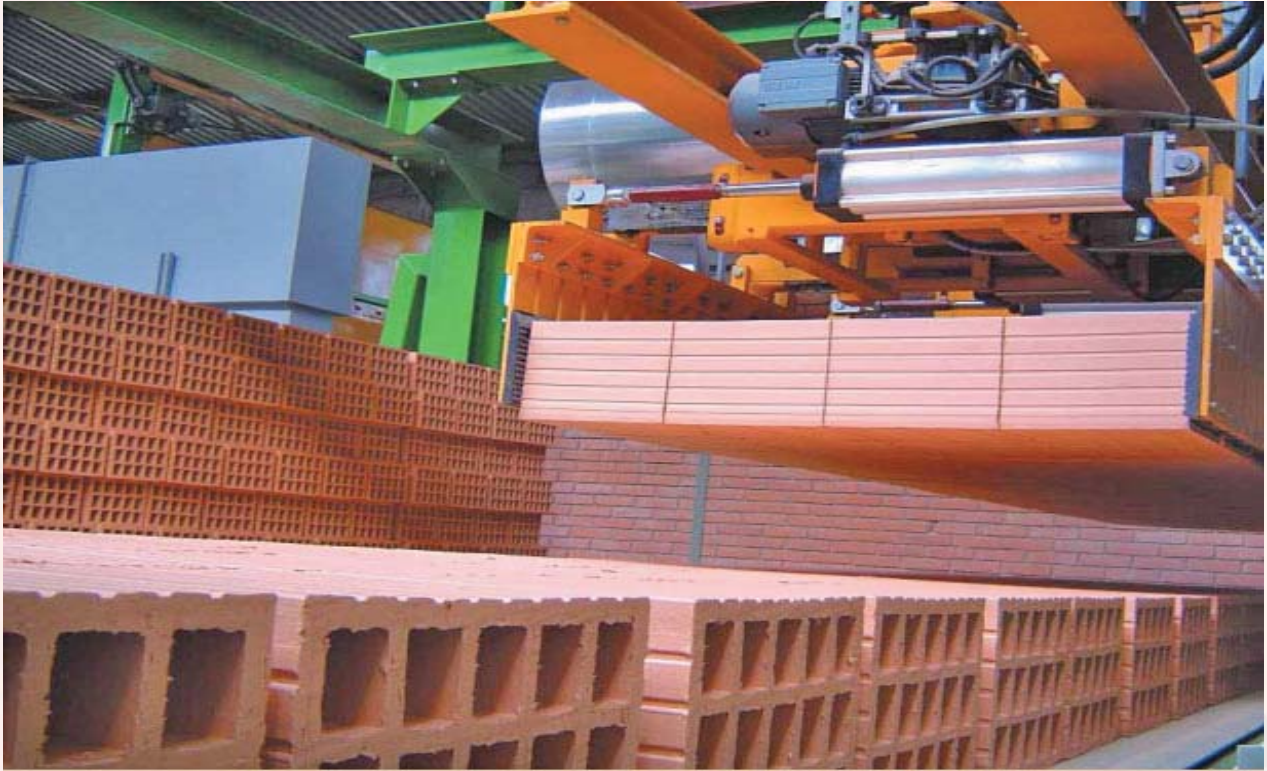
Mass Production Loading / Unloading and Packaging Automation

Jupiter designs and produces cutting-edge plant engineering solutions for each product handling stage, using both conventional cartesian and robotized systems that adapt perfectly to the specificity of the individual product or plant to easy handling



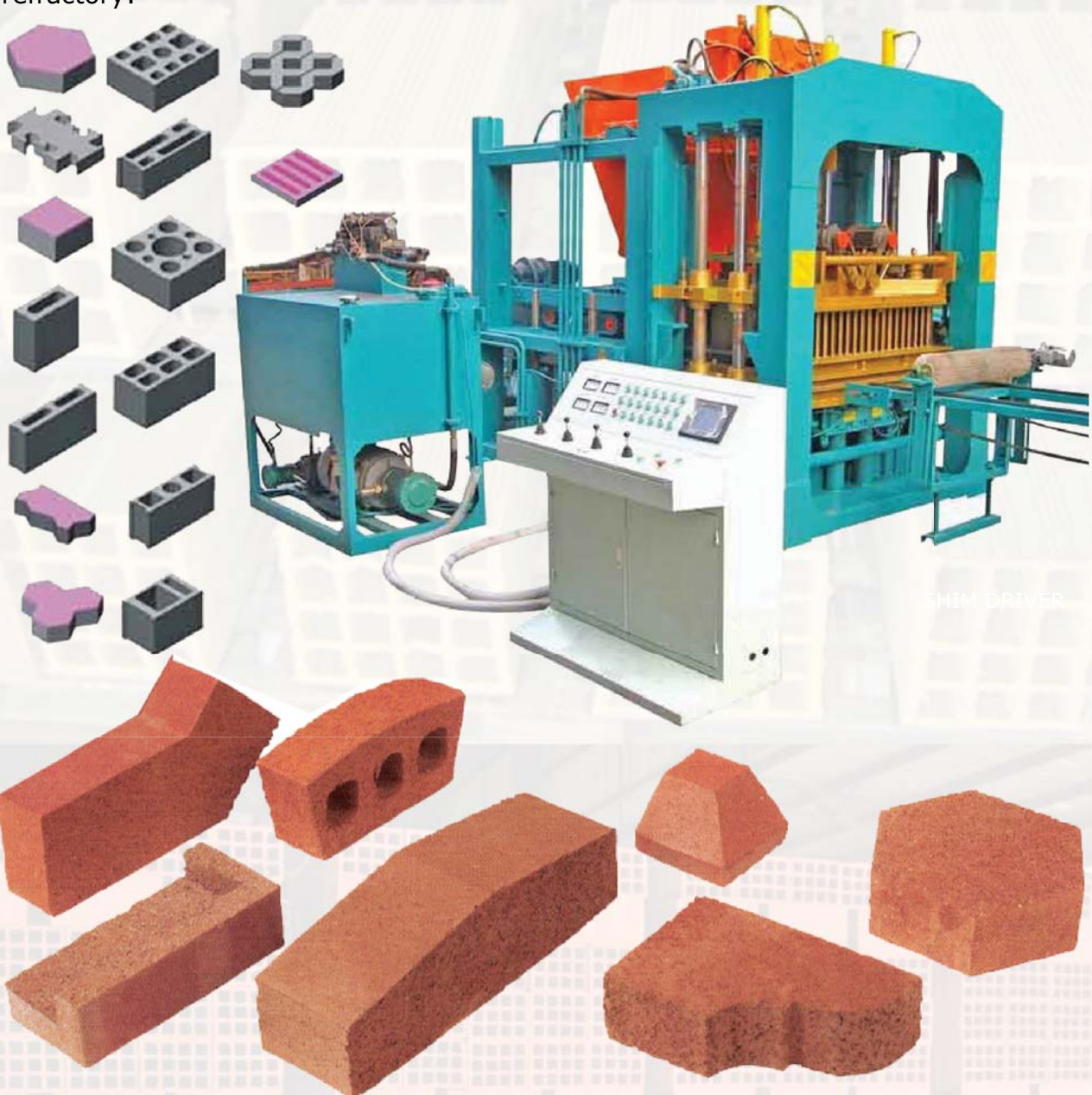
Bricks Body preparation and forming

Jupiter has an internal laboratory fully equipped with all the instrumentation needed to analyse and characterise raw materials and bodies. Depending on the technological results of the laboratory tests, Jupiter provides wet or dry-method body preprocessing systems and an extensive range of forming solutions, each designed on a case by case basis to meet the specific needs of the bulk buyer. Jupiter supplies every single machine on the production line.



Supply Erection Commissioning Training Testing

Every hour that your kiln is down is another hour of production lost - therefore it is essential to make installations as quickly as possible. By making your team's job easier for them, they are less fatigued and less likely to be injured - therefore better able to concentrate on the higher quality installation made possible by our equipment. The products listed below are available to aid in the safe, quick, and quality installation of refractory:



Repairs maintenance parts service support

Bricks machinery including repairs & maintenance is a regular job, it needs to grasp wear the objective laws, strict accordance with the rules, often observe equipment operation, often scrub the dirt and grease, filling oil, timely adjustments to eliminate the device zero parts loose status and failure, thus prolonging the stage of normal wear and tear of equipment, to extend the life of the equipment; equipment lubrication is an important part of equipment maintenance.

We Design & Manufacture Attachable Detachable Prefabricated Houses

Imagine saving hundred thousands of rupees on your new home ... even if you have no previous construction experience. You don't have to physically build your new home, although you are free to do as much or as little of the work as you would like. You can choose Jupiter contractor, your materials and make all of the financial decisions regarding your new home. We will be there every step of the way to help insure you can successfully complete your new high tech self powered modern home.



We design & manufacture modular home construction high quality anti fire materials while providing the greatest value, making it easy for you to be successful in building your new custom home. We also have hundreds of modern home plans to choose from. Prefabricated homes come 85 - 90% complete which virtually insures you will successfully complete the most satisfying project with detachable and attachable cum self solar & wind power facility.



Power Never Fail Network for Prefabricated Houses


Clean safe and reliable solar & wind technology is an ideal solution to power India's remote villages. Solar microgrids can be set up nearly anywhere, using a distributed generation model that is well suited for isolated sites. New advances in technology have made solar technology more economically viable and sustainable than ever before. Many remote communities have no power supply and there is little prospect that the utility grid will be supplied to the village for many years. The Jupiter hybrid system combines solar, wind, mini hydro and other sources to provide an effective source of electricity.


JPNF Meets

- ➔ Emergency alternative power source needs at village & townships, whenever ministry main power fails
- ➔ Seamless power villagisation
- ➔ evening lighting needs;
- ➔ Support rural clinics for vaccines;
- ➔ Ensure domestic supply for radio, TV and lighting;
- ➔ Deliver economic outcomes for small industry.

Jupiter has many small hybrid systems installed and with an appropriate M&O program can work reliably for many years. Jupiter alternative plans and builds off-grid solar power systems throughout the world. With our advanced sizing software and our experience we are able to offer the optimal solution for your energy requirements. In cooperation with our local partners we can deliver & support the installation and commissioning on-site.





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