



Company overview



November 2019

Copyright 2019 Build Works. All rights reserved.



Who we are

Build Works is one of the largest UK suppliers of high quality manual construction equipment. Our self use equipment can provide up to 40% savings in the construction of multi story buildings.

Our Patented Machinery

Hand Powered vibrating table

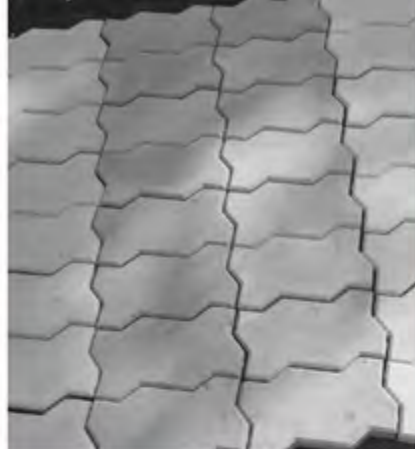
At the heart of Build Works is our unique hand powered vibrating table to settle the concrete mix and help produce perfect results every time. The machines can be moved to different locations and products made on site.

Over 50 different moulds

Using the Build Works moulds over 50 different products can be made on these our hand powered or electric vibrating table.

6-9 months return on investment

Designed and Manufactured in the UK. 20 Year Lifespan for the products



Mission Statement

To create jobs and a sustainable construction industry by providing high quality machines and facilities to manufacture on site, low cost materials needed to build houses, schools, clinics and commercial premises around the planet.



Our Purpose

We create **power free** building technology --- making construction safer, cleaner and more efficient for people and the planet.

What we offer

Patented Technology

Using some of the latest patented technology we provide all the equipment to start block or roof tile manufacturing plants as well as paving bricks and commercial building products.

Complete Equipment Kits

We have complete equipment kits to build whole communities and towns including, houses, community facilities such as health clinics, schools and churches and commercial buildings such as offices and factories.

Power Free Construction

Our equipment requires no electricity

Highly Sustainable Solutions

Sustainability is at the centre of our work. Our block design can use up to 30% less material than a traditional block and require no firing or baking.



SUSTAINABLE
GREEN BUILDING

Reliability Loyalty and Quality

Reliability

We strive to make long lasting equipment for use on some of the most remote locations on the planet.

5 Year Guarentee

All our machinery comes with a 5 year Guarentee.

Great Customer Service

Customer service is key to our success. If our customers succeed then we will too.

Loyalty is everything

With Loyalty comes success.





Excellent Employment Opportunities

Creating well paid jobs

Building material manufacturing offers excellent opportunities to engage unemployed workers from the local community creating well-paid jobs and the uptake of new skill sets.

12 workers needed / 10 hour shift

Each building manufacturing system offers job opportunities for up to 12 people within any 10 hour shift period; 3 to collect and deliver raw materials to the unit, 3 to load the materials, manufacture the blocks/tiles, 3 to take the manufactured blocks and store them in the warehouse and 3 to deliver the completed blocks/tiles to the desired building site. This is before any construction has started.

Creating new skillsets

Workers will quickly learn new skill sets as they begin using the equipment making them more employable in the future.

Local Manufacturing businesses

Small to medium manufacturing

We are looking for organisations looking to establish small to medium manufacturing businesses.

We provide the equipment and training

We provide all the equipment and training material to establish businesses employing 2 – 4 people and up to many hundreds. Products that can be made include:

Our products

- New Blocks
- Traditional Blocks
- Roof Tiles
- Floor Tiles
- Paving Blocks
- Paving products
- Decorative Products
- Wall and Fence posts
- Many other products



Construction opportunities and Partnerships

Building Homes and Communities

We are looking for organisations who are looking to construct homes and communities.

Strategic partners

We want to partner with private property developers, development agencies, local and national governments, NGO's and aid agencies and anybody working on development projects involving housing, construction or job creation and skill development.

Scaled up Projects

Our product can be used to build homes of various sizes, health clinics, schools, community facilities and water tanks. They have also been used to build commercial facilities like office blocks and factories.



Build Works Manufacturing

Our Machinery and end products

Glen-Block Manufacturing

A perfect brick look and feel

The finished system reproduces perfectly the traditional building technique of laid bricks.

Longevity and accuracy

Using the Buildworks block machine and our polypropylene and polyurethane moulds which give longevity and accuracy in precast block creation.

Don't need skilled labour

This precast block can be laid without mortar and therefore utilise unskilled labour. There is no need to cut blocks for windows and doors and corners as we have individual moulds for these.

Can use waste materials

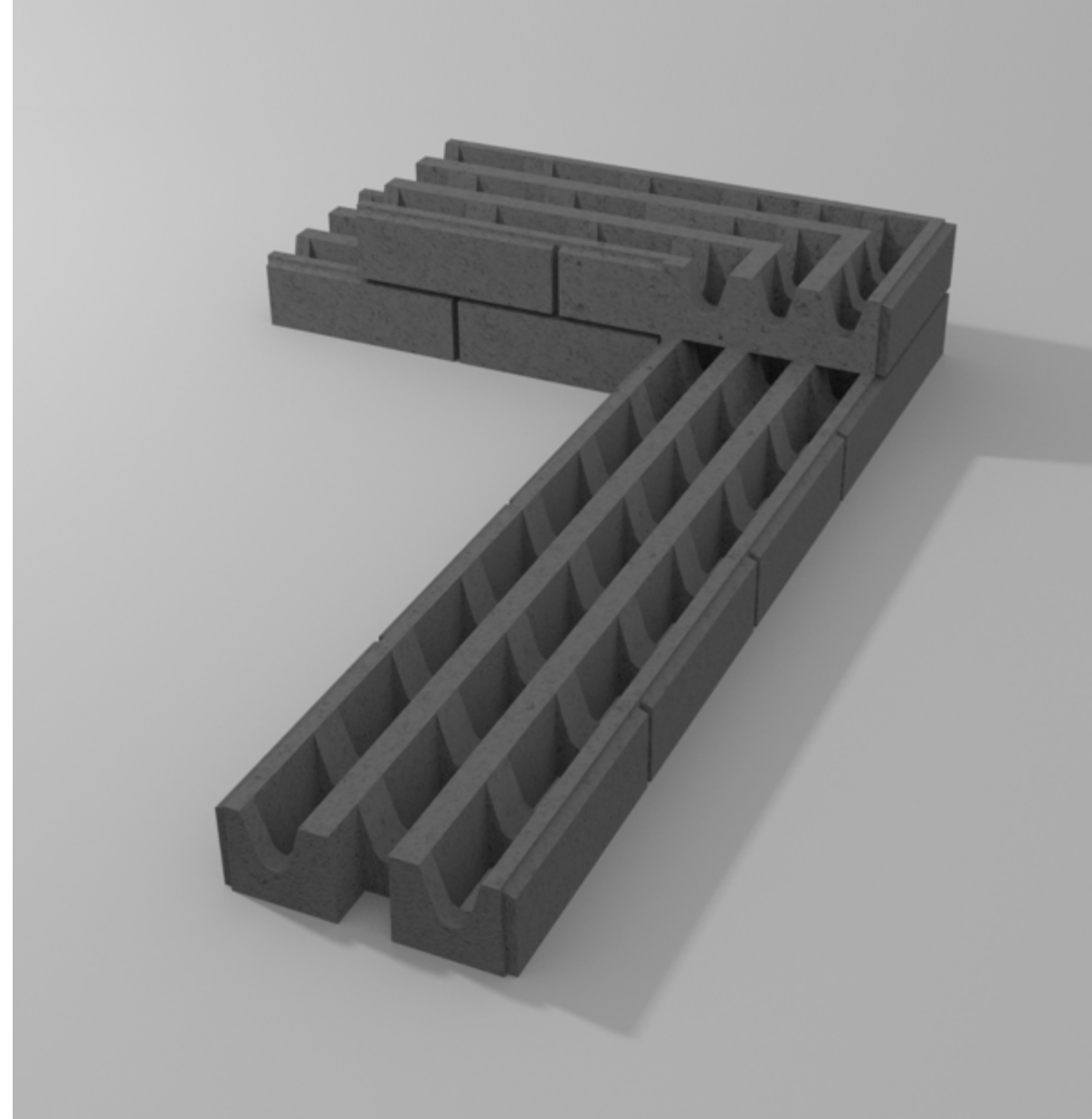
When stacked together the blocks form a system of horizontal voids. These voids act as insulation and can be filled with waste material like paper and plastic.

Easy to fit pipes and cables

The voids between the bricks make it easy to place conduit for pipes, cables etc

400 Bricks output on a manual machine

Output is 400 bricks per day on manual machine and 1000 on electric machine.



Inter Locking Block Manufacturing

Manufacturing

Quicker to set than traditional blocks so faster manufacturing time.

Minimum mortar needed

Only the first course of blocks needs to be mortared to the foundation

Rapid build time

The build time is rapid reducing costs

No height build restriction

There is no height restriction governed by mortar as all blocks are placed dry on top of one another.

Light weight bricks

The blocks are light weight and comply with lifting regulations.



Concrete Block Manufacturing

1 million bricks per mould

Using the Buildworks block machine and our metal moulds you can make over 1 million bricks per mould.

Moulds usable for years

Our high quality block moulds are designed to give years of trouble-free use. You can make hollow or solid concrete blocks in the same mould.

High Structural strength

Vibration is used to produce high density blocks with a lower water content. High structural strength can be achieved with lower cement content.

Moulds can be repeatedly used on the same day

The block mould is a casting mould which means the mould is removed whilst the concrete is still wet allowing the mould to be used repeatedly the same day. The steel moulds are filled with concrete vibrated, turned over and removed leaving the blocks to cure.

300 Moulds per day



Roof Tile Manufacturing

Buildworks Roof Tile Machine

Using the Buildworks Roof Tile machine and our polypropylene and polyurethane moulds you can make roof and floor tiles

Moulds usable for 10 years

High Durability

Our high quality injection moulded roof tiles will last 40 years minimum.

Improved Thermo insulating properties

Lightweight concrete tiles provide a high quality, affordable roof. The roof has much better thermo insulating properties to live under than steel sheets and provides noise reduction.

Water collected from the roof will also be clean enough for drinking.

500 tiles a day.



Multi-story Manufacturing

Fast setting floors

Cures quicker and with reduced form work.

Variety of uses

Can be used to build small bridges, commercial buildings and for a wide range of buildings.

Bring accommodation above ground

Can build affordable homes off the ground. This helps reduce the impact of flooding on communities. Safe building technique for wetlands

Save 1/3 on Construction costs and reduced form work with up to 40% material saving.



Multi-story Manufacturing

4 floor Buildings

Using the Buildworks machine we have developed solutions for multi-story construction.

4 floor Buildings

Using an innovative waffle system and combined with our block system you can construct up to a 4 floor building

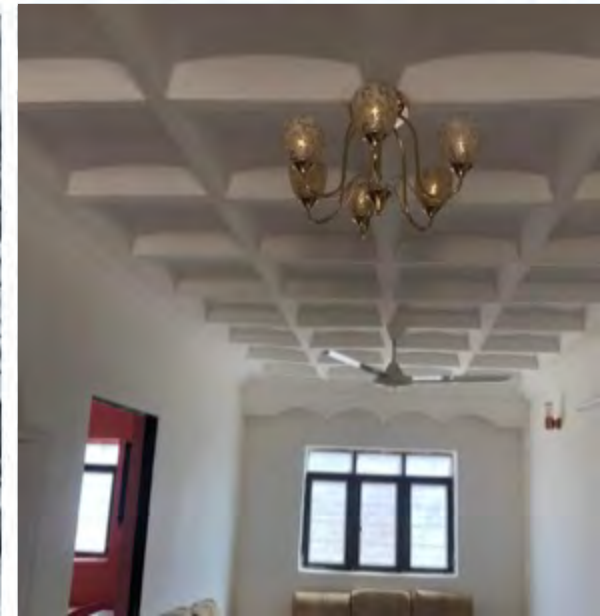
Major Construction costs

The pre cast waffle floor system uses significantly less material saving cost and construction costs and time.

No need to lift Heavy Equipment

Floor building without any heavy lifting equipment, using less concrete & less reinforcement

Save 1/3 on Construction costs



Paving Block Manufacturing

- Numerous design styles
- Suitable for sidewalks
- 10 moulds per manual machine
- Output 1000 + pieces per day
- With good concrete materials and concrete paving bricks can also be used as a road surface material, most suitable for side roads and for pedestrianised areas with some vehicle access.



Training Centre

Show Village” and Training Centre in Worcestershire UK.

Buildworks has developed a purpose built “show village” and training centre in Worcestershire UK. This is open for anyone to visit and see the machines in action and also completed buildings

NGO’s, Development bodies and private companies can visit and work with our on site engineers to plan programs

We are also establishing similar regional centres across Africa.

This centre is also used to train the trainer events



Solar Power

We offer a range of independent solar solutions for homes and buildings.

Ranging in sizes for 0.5kva up to 10 kva for individual buildings.

We also partner with a larger solutions provider for villages and larger power supplies.

On-Grid Backup Power Solutions – 3 KVA SYSTEM



Other Opportunities



Mini Grids



Building Equipment



Bespoke Industrial Design



**Decorative Accessory
Manufacturing**



Clay Manufacturing



Solar Street Lighting

Successful Projects

Past Case studies



Successful projects

Housing for Jamiibora Trust in Kenya



700 homes built for less \$5000 per house each with a kitchen, 2 bedrooms and a bathroom approx 100sqm. Using several of the Buildworks machines workers have gone on to create small businesses making building materials

Schools and Health Clinics



Schools have been built across Kenya, Zambia, Malawi and Benin.

First Quantum mining group



They bought machines to give back sustainable jobs to local community and the 1400 employees. Part of a CSR scheme to create sustainable jobs.

Contact us

Tel: + 441384 442080

whats app: +44 7713588677

e-mail: sales@buildworks.solutions

www.buildworks.solutions