



# RECYCLED

# CONCRETE SOLUTIONS

- Convert 150 ton of recycled concrete into 20,000 building blocks
- Support the circular economy
- Reduce your carbon footprint
- Learn the process from demolition to block sales
- Plant selector
- Multi million sales
- Multi million profits

# Business Opportunity

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## Making Money Solving a Problem

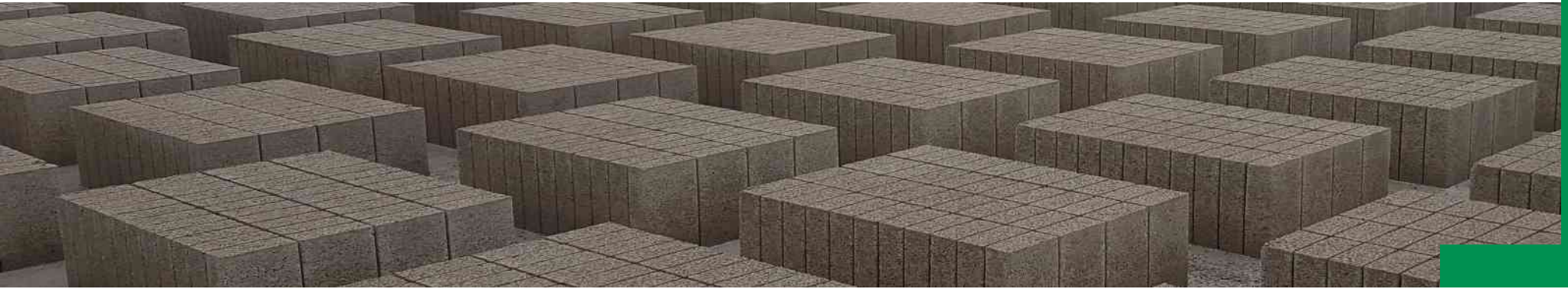


There is a great opportunity to manufacture housing building blocks from recycled concrete.

The block laying capacity using the plant within this brochure is between 15,000 to 40,000 blocks per day.

The sales possibility is between £360,000 to £1,000,000 per month.

When you use recycled aggregates, the profitability can be excellent as not only are you selling house blocks, but you are also solving a recycling problem.



# The Process

- 1 Crush demolished concrete
- 2 Make recycled concrete
- 3 Lay the blocks
- 4 Wrap the blocks
- 5 Stack the blocks
- 6 Sell the block to merchants

The process of manufacturing the blocks is mostly automatic and only required between 4 to 5 people operating the plant.

The wrapper and stacker machines run automatically using sensors.

If you can obtain a gate fee to take the waste concrete, you will make more margin.



# F1800/F2200

The F1800 and F2200 are semi-mobile batching plants and are designed for the production of ready-mixed and is ideal for the block manufacturing.

The productivity of the plant is dependent on the model and setup and ranges from 30 to 60 m<sup>3</sup> per hour.

Dosing accuracy +-1-3% and +-1% with pre-weight cement



The F1800/F2200 batching plant is mounted on a metal frame with legs.

It has a concrete mixer, four separate built-in hoppers, four independent conveyors, water tank, dosing weight sensors and a computer to control the operation of the plant.

It is supplied with a high-pressure washer and the hoppers can be raised to increase capacity.

The plant can be transported on a flatbed wagon or a lorry.

# F1800 F2200 Batching Plant

## TECHNICAL SPECIFICATIONS

		F1800	F2200
Productivity	M <sup>3</sup> /hour	20/37	30/60
Volume (gross)	L	1800	2200
Volume mixed material	L	1000	1400
Motor	kW	30	55
Mixing arms/side scrapers	pcs	5/1	9/1
Aggregate hoppers	pcs	4 x 2.4 m <sup>3</sup>	4 x 2.4 m <sup>3</sup>
Water tank	L	500	500
Dimensions W x H x L	M	2.5, 2.65, 9.0	2.55, 2.65, 9.1
Weight	kg	9800	10500
Supply voltage	V/A	400/80	400/125



# Multilevel Block Layer

The excellent characteristics of the Multilevel Master block makes it one of the most desirable and versatile block producing machines available.

Its innovative design enables the machine to manufacture all types of blocks, bricks and hollow blocks in all corners of the world.

The Multilevel Master block is the ideal concrete block machine for economical mass production of high quality concrete blocks.



## Outputs

Id	Wet Concrete M25/C20	Number per Cycle	Number per hour	Number per 8 hr./Day	Concrete per day/m <sup>3</sup>	Concrete Per hr./m <sup>3</sup>
1	100 x 215 x 440 - Solid	44	5280	42,240	400	50
2	140 x 215 x 440 - Solid	32	3840	30,720	400	50
3	140 x 215 x 440 - Hollow	16	1920	15,360	300	37.5
4	215 x 215 x 440 - Hollow	10	1200	9,600	300	27.5

# MG24 Block Layer

The MG24 range of machines is aimed extensively at the export market.

This compact, all purpose, user friendly machine has been adapted to suit each environment from all corners of the globe.

From solids to cavity to the very specialised insulated concrete block, the MG24 can do it all.



## Outputs

Id	Wet Concrete M25/C20	Number per Cycle	Number per hour	Number per 8 hr./Day	Concrete per day/m3	Concrete Per hr./m3
5	100 x 215 x 440 - Solid	24	2760	22,080	200	25
6	140 x 215 x 440 - Solid	16	1920	15,360	200	25
7	100 x 215 x 440 - Hollow	124	2760	22,080	160	20
8	140 x 215 x 440 - Hollow	16	1920	15,360	160	20

# Block Strapper

A fully automatic mobile strapping machine to work in tandem with the block machines, on similar cycle times.

This machine can strap all types of blocks and brick. Advantages of this machine include less energy being used and faster cycle time.

Increased safety when strapping damaged or broken blocks. On tests this type of machine can strap one complete cycle in 19.5 seconds.





# Block Stacker

Fully automatic Strap and Stack machine – no operator required.

Programmed to suit block-yard – stacks up to 4 bales high and 4/6/8 bales of Hollow blocks.

Significant time saved – straps and stacks one bale of blocks in approx. 20 seconds

Safety guards all round incorporating captive key safety locking system

Leaves forklift operator free to load blocks onto lorry or stockpile



# Equipment

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**Concrete Skip** – to transport concrete from the batching plant to the block layer



**Block Lift** – to load blocks on wagons for site deliveries



# Mix Design

Mixes can be designed with recycled material that will reduce input costs.

20% to 46% 10-6mm recycled aggregate  
0% to 26% 10-6mm quarried aggregate  
47% Stone dust/sand  
8% OPC Cement

At full production using 400 m<sup>3</sup> per day you can convert 192 to 440 tons depending on the mix of recycled aggregate into 40,000 blocks.

Recycled aggregate can be from:

- Crushed concrete
- Crushed ceramic sanitary ware
- Road Sweepings
- Glass

**We Have In-House  
Concrete Technologists to  
Help You Design and Test  
Your Mix**



# The Circular Economy

## Recycling Concrete

The table on the right shows the recycled concrete demolition materials from a number of building types.

Contractors can determine the best way to recycle the demolished material.

The material we are interested in, is concrete and ceramics from demolished sites.

Using crushed demolition concrete and ceramics in concrete blocks saves using raw quarried material.

Recycling redundant building into new building is using the circular economy.



Percentages	Block Type			
	Housing/flats (2of)	Leisure (1of)	School (2of)	Grand Total
Ceramics	12.08%	12.17%	1.88%	6.55%
Concrete	47.12%	50.57%	68.95%	59.28%
Inert	30.32%	32.22%	12.82%	20.98%
Insulation	0.00%	0.00%	0.08%	0.05%
Metals	7.76%	2.99%	12.62%	9.98%
Plastics	0.01%	0.00%	0.00%	0.00%
Timber	2.09%	2.04%	1.45%	1.74%
Plasterboard	0.63%	0.00%	2.19%	1.42%
<b>Grand Total</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>



# FIBO FINANCE

**No Payments for Twelve months**  
**+**  
**Return on investment less than twelve months**  
**=**  
**A positive cashflow**

# FIBO FINANCE

## KEY BENEFITS

Fibo Batching plant has a return on investment between 6 and 12 months.

No payment for 12 months allows the plant to generate the cash to pay for itself.

Finance your project - Buy moulds, cement silos, bucket loaders and concrete batching plant.

Everything you need to set up a new business for pre-cast, on-site and remote site concrete production.

Fibo Finance is a great way to grow and build your business.

Great for:

- Sweating the machine to earn money to pay for itself.
- No need to borrow or use your own capital.
- Having a positive cashflow and owning your new plant.
- Great to finance all your construction plant for a project.



**“IT’S THE WORLD’S BEST KEPT SECRET AND GREAT FOR YOUR BUSINESS”**



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If you require more detail or have a question, please call, my contacts details are below.



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