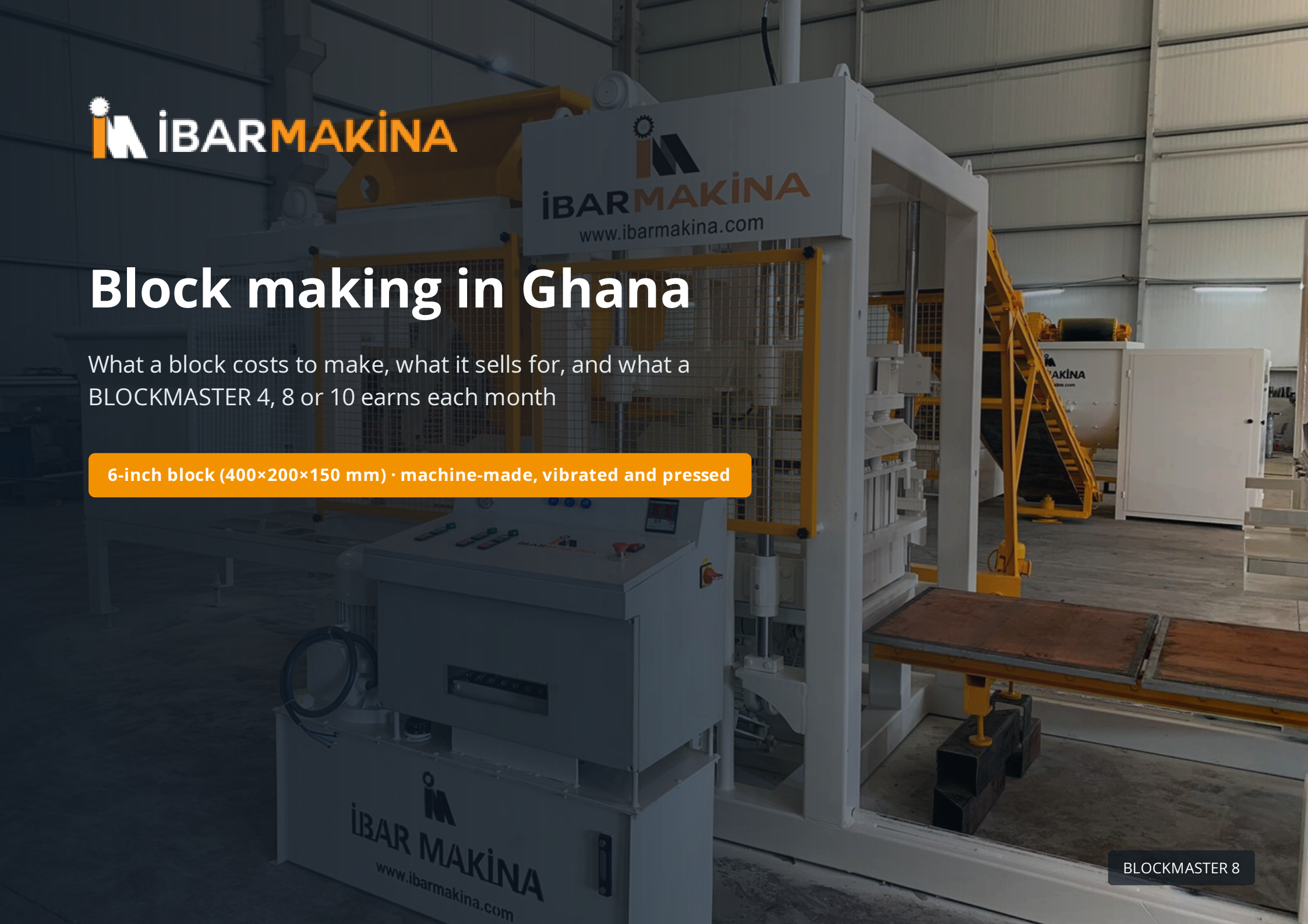
İBARMAKİNA

Block making in Ghana

What a block costs to make, what it sells for, and what a BLOCKMASTER 4, 8 or 10 earns each month

6-inch block (400×200×150 mm) · machine-made, vibrated and pressed



BLOCKMASTER 8

1 How much material goes into one block?

One of our customers made **7,500 blocks of 400×200×150 mm with 120 bags of cement, 55.5 m³ of sand and 37 m³ of chippings**: **62.5 blocks per bag**.

Material	Per block	Per 1,000 blocks
Cement	0.8 kg	16 bags of 50 kg
Sand	7.4 litres	7.4 m³
Chippings	4.9 litres	4.9 m³

Hand-moulded blocks get far fewer blocks from a bag, because the mix is not vibrated. A machine gives strong, regular blocks from every bag.

What one block costs in Accra

Cement	GH₵1.92
Sand	GH₵1.11
Chippings	GH₵1.13
Labour	GH₵0.18
Generator diesel	GH₵0.17
Water, curing, maintenance, breakage (+6%)	GH₵0.27
Cost per block	**≈GH₵4.78**

Prices used: cement GH₵120.00 a bag · sand GH₵150.00 per m³ · chippings GH₵230.00 per m³ · labourer GH₵110.00 a day · diesel GH₵18.50 a litre

2 Selling price and profit per block

City	Cost (GH₵)	Selling price (GH₵)	Profit per block (GH₵)	Margin
Accra	≈4.78	7.50–9.00	**2.72–4.22**	36–47 %
Kumasi	≈4.15	7.00–9.00	**2.85–4.85**	41–54 %
Takoradi	≈4.55	7.00–9.00	**2.45–4.45**	35–49 %
Tamale	≈4.60	8.00–10.50	**3.40–5.90**	42–56 %

6-inch block (400×200×150 mm) · sold at the 6-inch block price

1 block · Accra

≈4.78 → 7.50–9.00

GH₵ · cost → price

+2.72–4.22

GH₵ · profit per block (36–47 %)

3 What each machine earns (Accra)

The machine runs at full capacity, 26 days a month, and the yard sells its full output. Cautious: 5% material waste, operator pay 30% higher, 10% other costs and fixed costs (manager, security, rent, maintenance) deducted.



BLOCKMASTER 4

Output per day	**5,000 blocks**
Crew	**8 people**

Materials per day: 80 bags of cement · 37.0 m³ sand · 24.7 m³ chippings

Net profit per month · selling at GH₵7.50
GH₵276,000
≈ 23,700 USD

Net profit per month · selling at GH₵9.00
GH₵471,000
≈ 40,500 USD



BLOCKMASTER 8

Output per day	**10,000 blocks**
Crew	**11 people**

Materials per day: 160 bags of cement · 74.0 m³ sand · 49.3 m³ chippings

Net profit per month · selling at GH₵7.50
GH₵588,000
≈ 50,600 USD

Net profit per month · selling at GH₵9.00
GH₵978,000
≈ 84,100 USD



BLOCKMASTER 10

Output per day	**12,000 blocks**
Crew	**14 people**

Materials per day: 192 bags of cement · 88.8 m³ sand · 59.2 m³ chippings

Net profit per month · selling at GH₵7.50
GH₵710,000
≈ 61,100 USD

Net profit per month · selling at GH₵9.00
GH₵1.2 million
≈ 101,300 USD

4 Our machines in Africa

We have installed block making machines in more than 30 countries, including Ghana, Uganda, Côte d'Ivoire, Mali, Senegal and Gabon.







See all our installations →

With İBAR MAKİNA

- Installation and operator training included in the price
- 2-year warranty on our machines
- Spare parts shipped from stock the same day
- Over 45 years of experience, installations in more than 30 countries

Not included in this calculation

Land, buildings, curing yard, delivery trucks, depreciation, taxes and loan repayments. Prices change: let's redo the calculation with your own prices.

Let's do the calculation with your prices

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