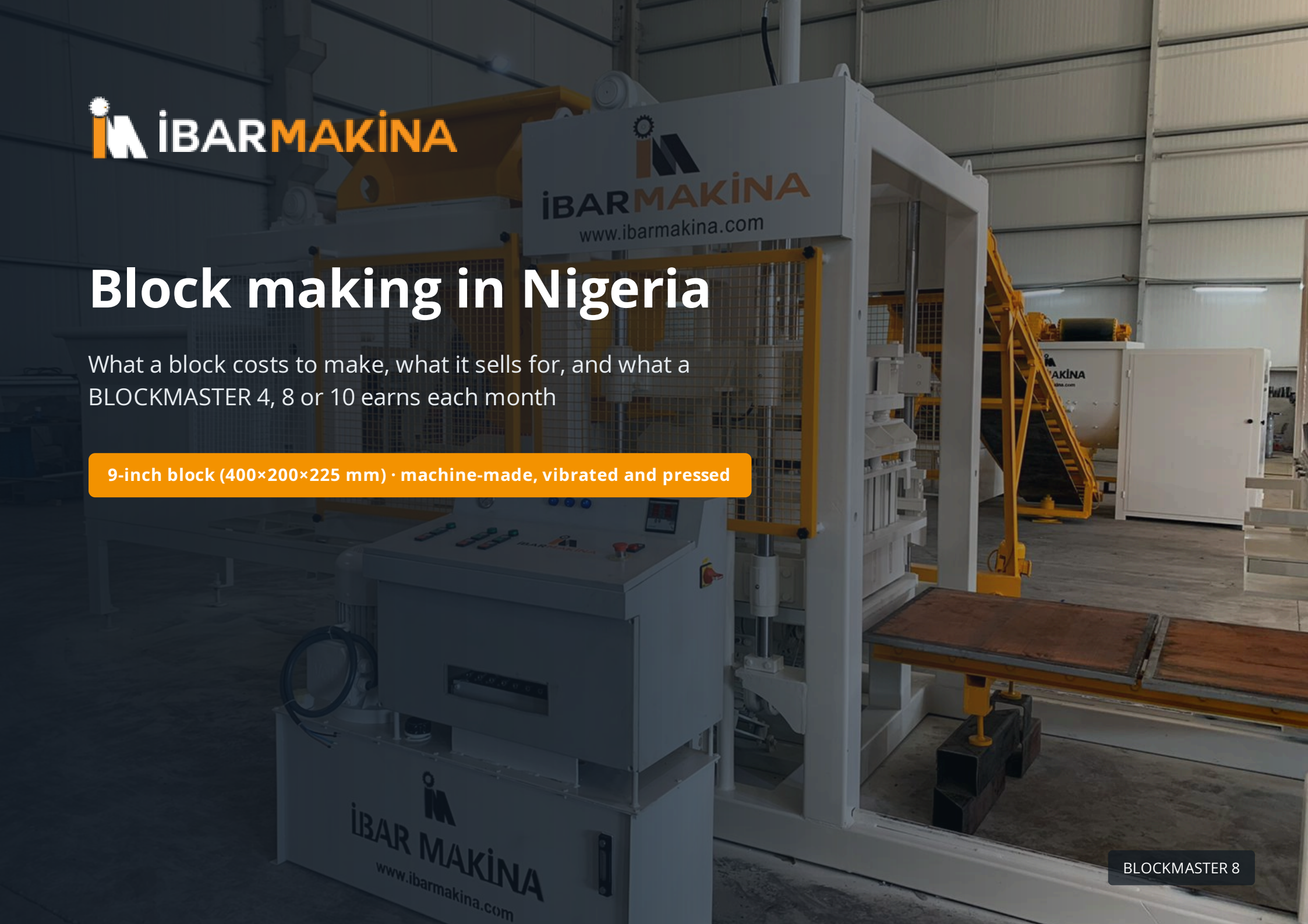
İBARMAKİNA

Block making in Nigeria

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

9-inch block (400×200×225 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**. For this block size that is about **51.7 blocks per bag**.

Material	Per block	Per 1,000 blocks
Cement	1.0 kg	19 bags of 50 kg
Sand	9.0 litres	9.0 m³
Chippings	6.0 litres	6.0 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 Lagos

Cement	₦242
Sand	₦152
Chippings	₦149
Labour	₦16
Generator diesel	₦20
Water, curing, maintenance, breakage (+6%)	₦35
Cost per block	**≈₦614**

Prices used: cement ₦12,500 a bag · sand ₦17,000 per m³ · chippings ₦25,000 per m³ · labourer ₦8,000 a day · diesel ₦1,790 a litre

2 Selling price and profit per block

City	Cost (₦)	Selling price (₦)	Profit per block (₦)	Margin
Lagos	≈614	1,100–1,500	**486–886**	44–59 %
Abuja	≈578	800–1,000	**222–422**	28–42 %
Kano	≈535	750–900	**215–365**	29–41 %
Port Harcourt	≈523	800–1,000	**277–477**	35–48 %
Ibadan	≈549	750–950	**201–401**	27–42 %

9-inch block (400×200×225 mm) · 9-inch block, 400×200×225 mm

1 block · Lagos

≈614 → 1,100–1,500

₦ · cost → price

+486–886

₦ · profit per block (44–59 %)

3 What each machine earns (Lagos)

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	**4,000 blocks**
Crew	**8 people**

Materials per day: 77 bags of cement · 35.8 m³ sand · 23.9 m³ chippings

Net profit per month · selling at ₦1,100
₦42.4 million
≈ 31,200 USD

Net profit per month · selling at ₦1,500
₦84.0 million
≈ 61,800 USD



BLOCKMASTER 8

Output per day	**8,000 blocks**
Crew	**11 people**

Materials per day: 155 bags of cement · 71.6 m³ sand · 47.8 m³ chippings

Net profit per month · selling at ₦1,100
₦88.0 million
≈ 64,700 USD

Net profit per month · selling at ₦1,500
₦171.2 million
≈ 125,900 USD



BLOCKMASTER 10

Output per day	**10,000 blocks**
Crew	**14 people**

Materials per day: 194 bags of cement · 89.5 m³ sand · 59.7 m³ chippings

Net profit per month · selling at ₦1,100
₦111.0 million
≈ 81,600 USD

Net profit per month · selling at ₦1,500
₦215.0 million
≈ 158,100 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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