Burn Jikokoa







Why to choose this solution?
Burn Jikokoa are Rocket-type cookstoves for burning charcoal. They are long-lasting, use about 50% less charcoal, and cook faster than the ordinary Jiko. The Jikos come with a no-mess ash tray and reduce carbon-dioxide emission for a cleaner cooking environment. They have non-slip pot stands which grip all sufurias (cooking pot) firmly to ensure that you have a safer cooking experience. Available in black and red.

Savings per day or production:
Jikokoa uses about 50% less charcoal than the ordinary Jiko equivalent.

Cost in money and in own time to construct:
The Jiko costs KSh 3,500 (USD 35).

Lifetime:
3-4 Years, a 1-year warranty from date of purchase.

Maintenance needed:
Repair of broken parts.

Resources needed in use:
Charcoal.

Problems and limits:
The price of a Burn Jikokoa is a barrier for low-income households.

Where and how can you get it or make it?
Are available countrywide through an online selling platform called Jumia and also in the local supermarkets. The manufacturing facility for Jikokoa is situated at Ruiru town in Kiambu county, Kenya.

Skills needed to produce, install. maintenance, use:
Parts are installed by skilled certified technicians. Use of the Jiko requires a short introduction only.

How to use it:
Video: https://youtu.be/ZdBJ9G40GEs https://youtu.be/ufwU1WtFXpQ

How to maintain it:
Not relevant.

Climate effect (if any):
According to tests conducted by Berkeley Air and the University of Nairobi, the Jikokoa reduces PM 2.5 emissions by about 65% compared to the improved ceramic Jiko. They also use about 50% less charcoal, thereby reducing the number of trees cut. One Jikokoa stove reduces greenhouse emissions by up to 4.46 tons of CO₂ /yr.

Where it is used and how many users are there?
They are used in Kenya and since late 2013, over 543, 112 stoves have been sold. Sales and distribution are expected to expand to Tanzania, Uganda, Zambia, DRC, Nigeria, and Ghana.

Why is it successful?
Successful because they are fuel efficient, long lasting, and provide a cleaner cooking environment.

If you can make it, a short description, typical problems, materials needed:
Not relevant.

How to make it (if possible):
For illustration https://youtu.be/9LKP49NJMi4 and https://youtu.be/HRx2BhrJp3o

How is it delivered and by whom?
Business model is produced by skilled technicians. The facility has employed over 300 people, 60% of whom are women. Consumers can purchase online or through the organization through 180 distributors, including all of the major supermarkets and various small kiosks. Burn Jikokoa has a customer-service representative available for telephone contact.

Successful financial model
The Jikokoa has all the attributes, design, and pricing to produce the right packages for the customers. Over 900,000 sold since 2014.

What policies and strategies helped the success?
Burn followed Global Alliance for Clean Cookstoves design and performance standards of improved cookstoves.

More info:
https://youtu.be/9LKP49NJMi4 and https://youtu.be/HRx2BhrJp3o . https://burnstoves.com/, https://burnstoves.com/products/charcoal-stoves/jikokoa-classic

Sources:
BURN Stoves manufacturer. To view working models, visit site at the address: Go Downs 8-11, New Horizons Industrial Park, Ruiru, Kenya. P. O. Box 1921-00232. Phone: +254 706 585 629. Email: kenya@burnmfg.com. and globalsales@burnmfg.com.

When was the case uploaded?
2020-08-19

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