

BURN STOVES – KENYA

68% of Kenya’s primary household energy still comes from woody biomass. The majority of this is burnt on smoky open fires and inefficient cooking stoves, leading to indoor air pollution causing respiratory disease, irritating eyes and contributing to global climate change. Demand for wood fuel and charcoal also leads to deforestation, devastates biodiversity, reduces habitat for endangered species and reduces carbon uptake by forests.



Burn Manufacturing is revolutionising the cookstoves market in East Africa with their engineered Jikoko stove which uses 45% less charcoal, saving families as much as \$300 per year. These savings mean families recover the initial outlay of the stove within 2-3 months of purchase. The Jikoko’s innovative natural draft technology reduces fuel consumption and cooking time by up to 50%, freeing up time and income which would have otherwise been spent on cooking. The stove reduces

deadly particulates and carbon monoxide by 65%, achieving the highest level (tier 4) for reducing particulate matter (PM2.5) on the ISO/IWA emissions scale – the same ranking as LPG and natural gas stoves.

Burn manufactures all Jikoko stoves in its solar-powered Nairobi factory, which provides over 100 skilled local jobs – half of which are occupied by women; helping address gender equality. In 2015, Burn’s innovative design was recognised by the internationally renowned Ashden Awards, winning the ‘Clean Energy for Women and Girls’ category.



Saves families between \$150-\$300 per year through reduced fuel consumption



54% reduction in sick days/household reported in a survey by Acumen. 89% of customers attribute increased health to reduce smoke in the home



As much as 90% of household energy use in developing countries is for cooking – fuel savings make this energy source more affordable



Over 50% of Burn’s workforce is women – unusual in the manufacturing sector. The stove saves women time and money on cooking

Project Name	Country	Technology	Standard	Vintage	Carbon Status	Project Status
BURN Stoves	Kenya	Stoves	Gold Standard	2015	Issued	Operational