



A G S O L

SOLAR POWERED AGRO-PROCESSING

Around the world smallholder farmers living in off-grid areas rely on polluting and inefficient diesel mills to process the staple crops they grow and depend on.

For farmers living in small communities where diesel mills are simply not viable, they must travel long distances to access these essential services. This wastes their time, reduces their productivity, and helps keep them in poverty.

THE FUTURE OF OFF-GRID MILLING

Agsol has developed a new super-efficient and affordable solar powered *MicroMill* to serve small off-grid communities. Run as a business, our solar *MicroMill* can viably serve as few as 30 household customers, but has the potential to serve up to 90 households with their staple food processing needs.

It employs a direct drive brushless DC motor, automatic feed control, smart power electronics and Li-ion battery technology.

The *MicroMill* can process cereal crops such as maize, sorghum, millet and more. Whereas most mills require a high degree of operator skill, the *MicroMill* is incredibly easy to use - just load the grain, turn it on, and the automatic feed control will take care of the rest.

The *MicroMill's* smart controller along with its integrated solar system and battery pack can also power household lighting kits, fans, telephone chargers and a growing range of other appliances.



SPECIFICATIONS

30 kg/h	Production rate (maize)
75 kg/kWh	Efficiency (maize)
600W	Solar system peak power
48V	System voltage
12Ah	Battery capacity
1.2 hours	Runtime from battery only
50 x 30 x 40 cm	Dimension (L x W x H)
22 kg	Machine weight

MORE INFORMATION

We are presently carrying out early stage field trials of the first generation of *MicroMill* prototypes. Commercial release is scheduled for Q3 2021.

If you would like more information on becoming a partner, please contact info@agsol.com