

G R O W I N G · V I L L A G E · L I F E



A G S O L

SOLAR AGRO-PROCESSING MACHINES

INFO@AGSOL.COM AGSOL.COM

THE FUTURE OF OFF-GRID MILLING

Agsol offers a range of efficient and affordable agro-processing machines that are designed for off-grid solar.

Our machines are available in DC format for standalone solar or AC format for mini-grid applications.

The advantages are:

- Zero fuel costs
- Low maintenance
- Long machinery life
- Easy to operate

Our technologies break the dependence on fossil fuels and improve the unit economics of off-grid energy generating infrastructure that can deliver power for:

- Household power
- Village lighting
- Income generation

Our machines are robust, efficient, and competitively priced against traditional diesel equipment.



HAMMER MILL

A multi-feedstock mill capable of processing a range of cereals and dried tubers to fine or coarse flour for human or animal consumption. It is commonly used to process maize, cassava, sorghum and millet.

The machine is optimised for efficiency, durability, and safety.



Offered with brushless DC or AC motors

	DC 48V BLDC		AC 1- Phase	AC 3-Phase
Motor Rating [kW]	1.3	1.8	2.2	2.2
Production rate [kg/hr]*	50	70	80	85
Efficiency [kg/kWh]	48	50	39	44

** Based on maize milling with 1mm screen . Production rate for cassava is x2 and millet is x3*

Dimensions: 670 x 360 x 700mm

Approx. net weight: 40kg

RICE MILL

Agsol's rice mill is capable of producing either brown and white rice.

The machine incorporates an extraction fan to separate husk and chaff, and has an easily adjusted pressure dial to increase or decrease the degree of milling.



Offered with brushless DC or AC motors

	DC 48V BLDC		AC 1- Phase	AC 3-Phase
Motor Rating [kW]	1.3	1.8	2.2	2.2
Production rice [kg/hr]	135	160	160	160
Efficiency [kg/kWh]	115	115	90	100

Dimensions: 480 x 290 x 925mm

Approx. net weight: 45kg (with motor)

MAIZE THRESHER



Our maize thresher removes maize kernels from dried cobs. It can be adjusted to accommodate larger or smaller cob sizes.

Offered with brushless DC or AC motors

	DC 48V BLDC	AC 1- Phase
Motor Rating [kW]	0.5	0.75
Production [kg/hr]	>1,500	>1,500
Efficiency [kg/kWh]	190	145

Dimensions: 1100 x 270 x 700mm

Approx. net weight: 32kg

CHAFF CUTTER

Agsol's chaff cutter can process all types of fodder grass, maize stalks, and agricultural straws.

It uses rotating blades that cut the chaff against a fixed blade to provide a high cutting rate and low power consumption. It has adjustable gears for lighter or heavier feedstocks.



Offered with brushless DC or AC motors

	DC 48V BLDC		AC 1- Phase	AC 3-Phase
Motor Rating [kW]	1.3	1.8	2.2	2.2
Production rate [kg/hr]	>400	>600	>600	>600
Efficiency [kg/kWh]	130	130	100	110

Dimensions: 530 x 750 x 1000mm

Approx. net weight: 75kg (with motor)

SUPPORT

Agsol is happy to advise on system sizing and to work with you to tailor a solution that meets your needs. With a base and partnerships with manufacturers in China, we can help you find a solution for your agro-processing and off-grid energy needs.

Due to Covid-19 and our reduced capabilities in China, Agsol is presently offering these products ex-Kenya only.

Please direct any enquiries to: info@agsol.com