



**A G S O L**

**EFFICIENT CLEAN FOOD-PROCESSING**

# PRODUCT CATALOGUE

[www.agsol.com](http://www.agsol.com)

# A Modern Milling Revolution

## Welcome to Agsol

Founded in 2018 in Kenya, Agsol is a social impact-driven company committed to revolutionizing small-scale milling for off-grid communities. As the designers of the world's most efficient small grain mill, we are helping millers increase productivity, reduce operating costs, and improve the quality of flour—all while contributing to a cleaner, more sustainable future.

## Pioneering Social Impact in Milling

The Agsol Hammer Mill promotes a cleaner milling environment and fosters a new generation of millers—those who are more conscientious about food quality, with a growing representation of women leading the charge.

By partnering with us, you're helping to build a sustainable future for communities, empowering new millers, and supporting a more equitable food system.



BETTER FOOD 

CHAMPIONS

OF THE

FUTURE 

# The Smartest & Most Efficient Small Mill in the World

## Agsol Hammer Mill



### The Benefits

- Mills a variety of dry grains, pulses, tubers & spices
- Powered by solar, grid or e-bike
- Switch between fine flour or animal feed with an easy sieve swap
- Paygo and IoT enabled



## Specifications

Model Number	MM-V2
Power Supply	DC Input
Motor rating	1000W
Average Power Consumption	800W
Input voltage (nominal)	48 VDC
Acceptable voltage input range	46 – 55 VDC
Rated spindle speed	12,000 RPM
Production rate (maize on 1.2mm screen)	55-65 kg/h $\pm$ 10%
Efficiency (on 1.2mm screen)	65 kg/kWh $\pm$ 10%
Production capacity (chicken feed 6mm screen)	250 kg/hr

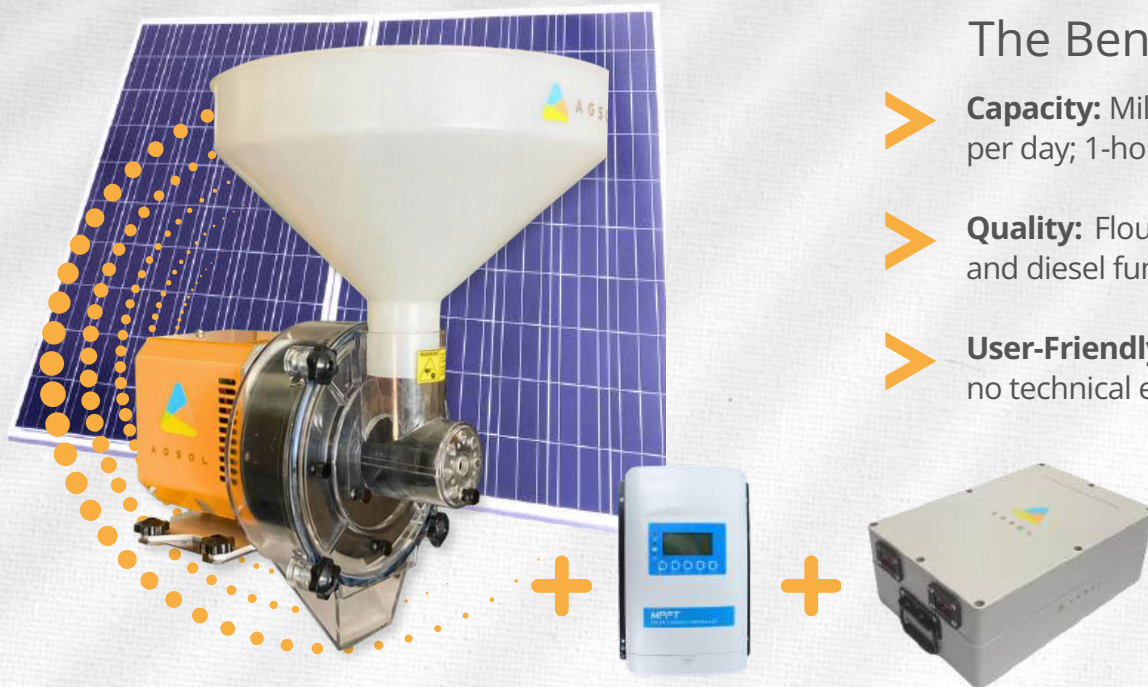
Holding capacity (standard hopper)	5 kg
Machine weight	7.4 kg
Mill dimensions	30 x 21 x 25 cm
Dimension of mill	30 x 21 x 25 cm
Box size with peripherals	49 x 36 x 38 cm
Box weight with peripherals	8.9 kg



### What is in the box?

1 x Mill + 1.2mm screen, 1 x Hopper  
1 x Mounting plate 1 x Exhaust chute,  
1 x T-wrench, 1 x Cleaning brush

# Solar Package



## The Benefits

- **Capacity:** Mills 200+ kg of maize per day; 1-hour battery backup
- **Quality:** Flour free from mould and diesel fumes
- **User-Friendly:** Fully automated, no technical expertise required

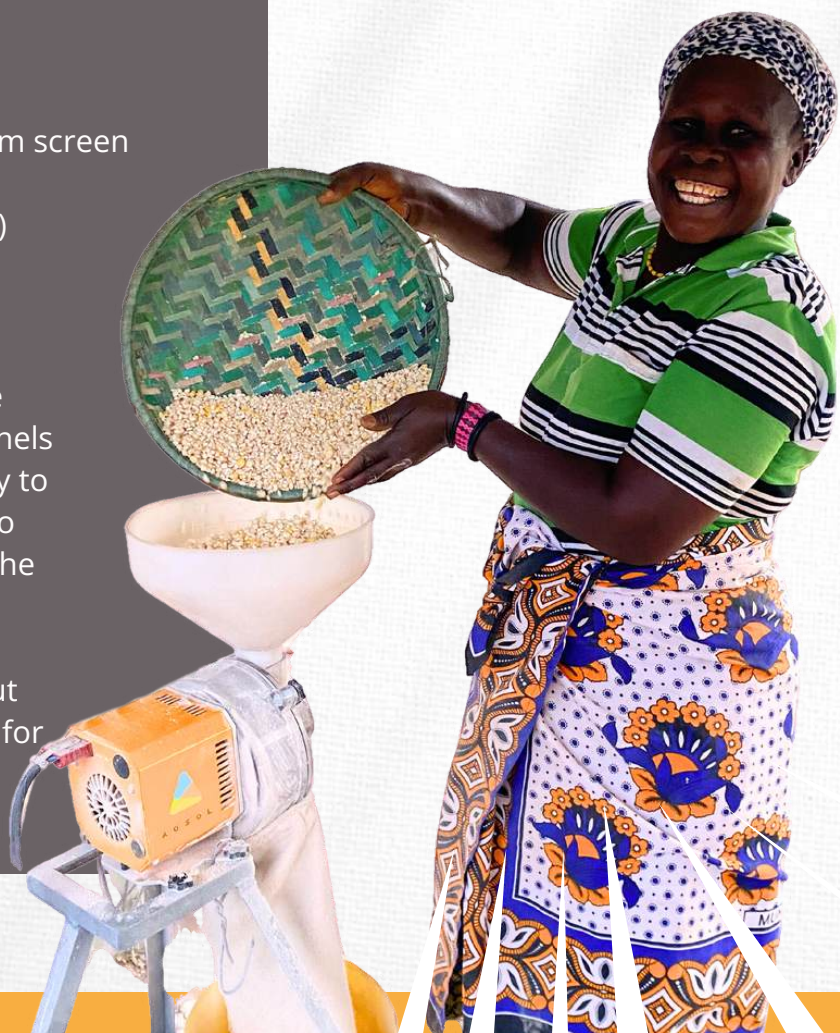
*"70% more profitable compared to diesel mills"*

### Package Includes:

- Agsol Hammer mill + 1.2mm screen
- Solar panels (450-1,000 W)
- Li-ion battery (600-900 Wh)
- MPPT charge controller

The Agsol Hammer Mill can be enhanced with larger solar panels and additional battery capacity to boost your daily output. Talk to your Agsol sales agent about the available options.

Installation must be carried out by a qualified solar technician for optimal performance.



## On Grid Package

### The Benefits

- **One-Stop-Shop:** Ideal for urban grain traders and shop owners, offering both grains and milling services in one convenient location.
- **Efficient:** Runs on single-phase power with just 750W consumption, keeping energy bills low. Minimal installation required and maintenance-free.
- **Portable & High Capacity:** Weighing only 7 kg, it's easy to move. Mills 55-65 kg of fine flour per hour, running continuously to meet demand.



### Package Includes:

- Agsol Hammer mill + 1.2mm screen
- AC-DC converter 1kW



# Power Supply Components



## 900Wh Battery Pack

Model number: BC18

The battery stores energy for use when solar power isn't available, allowing the mill to operate for up to one hour without solar input, and all housed in a secure enclosure.

### Specifications

- Rated Voltage: 51.2V
- Voltage Range: 50-54.5V
- Rated capacity: 18Ah
- Rated Energy: 921.6Wh
- Weight: 10.1 kg
- Dimensions: 40 x 26 x 14 cm
- Environment Temperature: 10 - 40°C



## MPPT Charge Controller

Model number: EP23

The MPPT charge controller optimises the energy output from solar panels by continuously adjusting the voltage to match the battery's requirements, maximising the charging efficiency.

### What is in the box?

- 1 x charge controller with 2m long cable
- 4 x wall plugs
- Box size: 31 x 21 x 11 cm
- Box weight: 3.4 kg



## AC/DC Converter

Model number: TW23

The AC/DC converter plugs into a standard socket and allows the MicroMill to operate seamlessly on single-phase power.

### What is in the box?

- 1 x AC/DC converter with 2m AC power cable and 2m DC power cable
- 4 x wall plugs
- 1 x AC-DC Converter Installation Manual
- Box size: 51 x 18 x 9 cm
- Box weight: 4 kg

# Spare Parts & Accessories



## Screenholder

Model numbers: SH08, SH10, SH12, SH30, SH60

Our quality screenholders efficiently sieve grain to achieve your desired flour fineness. Made from durable materials, they ensure long-lasting performance.

- Screen size available: 1.0 / 1.2 / 3.0 / 6.0 mm
- Weight: 0.45 kg
- Dimensions: 21 x 21 x 12 cm



## Hammer Disk

Model number: MH23

Our premium-quality milling head is specially hardened and balanced for optimal efficiency. Designed for high durability, it maximizes milling results and enhances productivity.

- Weight: 0.5 kg
- Dimensions: 11 x 11 x 3 cm



## Mill Stand

Model number: TP22

This sturdy mill stand ensures reliable stability for milling operations, allowing you to work with confidence in any setting.

- Weight: 2.2 kg
- Dimensions: 55 x 53 x 53 cm



## Hanging Hopper

Model number: HH22

Perfect for commercial use, the hanging hopper holds up to 40 kg of grain at a time, ensuring efficient and productive milling.

Weight: 0.8 kg  
Dimensions: 55 x 55 x 40 cm



## Extension Cable

Model number: EC22

Weight: 0.55 kg  
Length: 2 m

# Testimonials

What our millers and end users say

## A Good Business Investment

“ Initially I was just selling maize, but now as customers come to buy maize they also get to have it milled! There is a growth in my customer base.

83%

strongly agree that the MicroMill is a good investment

95%

Quality of life has improved

47%

Quality of life has improved significantly

## Quality of life

“ I am earning extra money which I did not have before, so I am able to take care of household needs.

## Time saving

“ I am a young mother, hence, I'm very busy. At the end of the day, I'd get very exhausted but nowadays I even have time to rest and play with my children and bond with them, because I don't leave the house for long hours like before to go and look for food.

## Cheaper food

“ We now feel like the rich and can afford to eat finely milled and tasty ugali. And because it is cheaper, we use the extra money to buy eggs or milk.



## Higher product quality

“ When you use the diesel mill, the flour is smelly thus the children don't eat much, but with this new mill, we get cleaner flour and the children eat more, making them healthier.








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# Let's Get In Touch!

We'd love to hear from you! Whether you're interested in learning more about our products, exploring partnership opportunities, or have any questions, we're here to help.

Contact us:

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