



Applications

MICRO POWDER can be used for almost any dry materials. It can grind different materials simultaneously into powder mixture of a uniform grain size, allowing for diversified applications.

[Whole-grain bean curd]

It can produce bean curd using whole grains without bean curd refuse.

[Noodle]

It also enables grinding buckwheat, rice or wheat into powders without destroying its original flavor. It can not only manufacture 100% buckwheat noodles, which require a very sophisticated technique and skill, but also grind different materials at the same time effectively to make noodles with unique combination of different materials.

[Rice powder]

This grinder can produce rice powders that do not cause protein denaturation suitable for high-end Japanese sweets, rice powder bread and cake. Also it can be used to make rice noodles and rice paper, which have been gaining popularity recently.

[Paste]

The mill can grind oily sesames and nuts into fragrant smooth paste with the use of an attachment dedicated for this type of product.

[Bouillon powder]

The mill can easily grind different materials such as sea weed, dried tuna, small fish and eye of scallop simultaneously to make various unique powder mixture. It can be used to grind standard size eyes of scallop and sea weed pieces for diversified applications. It can also be used for producing dry mushroom powders.

[Green tea and healthy tea]

The grinder produces very fragrant tea powders, preserving original tea ingredients. It is also suitable for healthy tea made from oat, rooibos, ginkgo, du zhong tea leaf, guava and bitter melon.

[Supplements]

The mill can effectively make or blend agaricus or curcuma powders for supplements.

[Spices and herbs]

For mixing spices, herbs and for making herb tea

ets...



World First
Water-cooling
Stone Grist
Mill

MICRO POWDER PAT.

Marvelous high-tech machine that enables grinding any dry materials into micro powders as well as into paste without destroying their original flavor

■ MICRO POWDER: KGW-501/s1

Power	Weight	Output	Dimensions (mm)	Water cooling pump Cooler	Cooler	Fixed quantity feeder
3-phase 200V geared motor 1/20	Approx. 200kg	200V, 2.2kW	500(W)×800(D)×1300(H)	Magnet pump, 200V, 20/50W	RKS-400F	200V, 25W geared motor

—Options—

■ Auto Feeder

Power	Weight	Output	Dimensions (mm)
3-phase 200V induction motor	Approx. 60kg	200V, 90W	500(W)×600(D)×1780(H)

■ MICRO POWDER: KGW-G400

Power	Weight	Output	Dimensions (mm)	Water cooling pump Cooler
3-phase 100V geared motor	Approx. 45kg	100V, 400W	330(W)×500(D)×890(H)	12V geared pump

※For more information on other types of mills, contact us.

■ Manufacturer

■ Distributor



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■ Appearance or specifications of the products listed in this catalogue are subject to change without notice due to improvements.

KGW-501/s1

(The photograph is the option installation goods.)

(Reference)



Powder-making that makes the best use of element and flavor of dry material

The "water-cooling stone grist mill" method prevents component denaturation caused by friction.

Patented Grinding Mill

The patented technology allows for production of high quality powder.

Heat generated from friction during grinding causes component denaturation and flavor deterioration of materials, which has been a challenge to grinding mills. MICRO POWDER controls friction heat through circulation of cooling water and has resolved the problem of denaturation and deterioration of materials, adopting the theory of a stone grist mill, that is, "cutting and smashup method."

No need to select grain size; Feeding once is enough to gain specified grain size

Feeding any grain into the mill only once can produce uniform grain size powders, from super-micro to coarse powders, without need to sift by a sifter. This stone grist mill method reduces dispersion of powder, thus decreasing powder loss.

☆You can select any r.p.m appropriate for a selected material through inverter control.

Stable grinding with high power

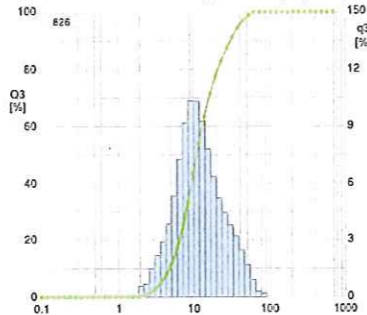
MICRO POWDER is space-saving and less noisy with super high power. It will bring excellent cost performance without need of ancillary facilities.

Grinding capacity of MICRO POWDER: KGW-501/s1

Material	Capacity/h	Grain size
soybean	5~8kg	200~600 mesh
nonglutinous rice	5~10kg	Approx. 100~300 mesh
natural leaf tea	Approx. 3kg	1000 mesh
buckwheat	10~20kg	80~400 mesh
barley young leaf	3~5kg	600 mesh
sesame paste	5~8kg	-
peanut paste	10~12kg	-

※ Capacity differs, depending on the material type, water content or grinding environment

Distribution chart of grain size (soybean)



Dry thing flourmill

MICRO POWDER

MICRO POWDER PAT.



Signal tower
(Option at manufacture)

The signal tower helps an operator to easily identify the status of the mill that has indicator lights of "Emergency Stop (red)", "Materials In/Out (yellow)" and "Operating (green)".

Fixed quantity feeder

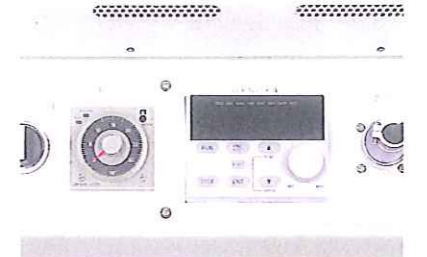
Feeder supplies a fixed quantity of materials to produce stable grain size powders.



Upper and lower parts of the stone grist mill

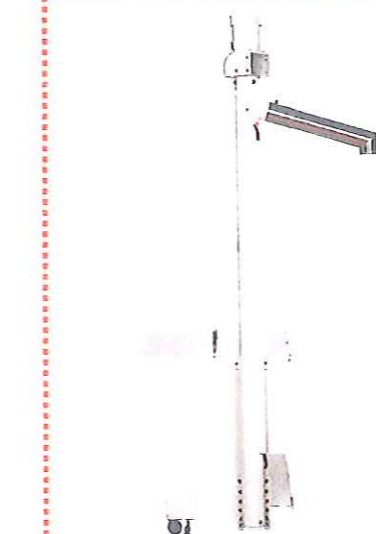
The stone grist mill is made of ductile cast iron. It is designed to make 60% of the mill dedicated for cutting and 40% for grinding in order to produce uniform grain size powders.

Scraper shooter



Control panel and auto stop sensor (with timer)

When a sensor detects a hopper of the mill is empty, the mill stops automatically. A timer is also available for automatic stop of the mill.



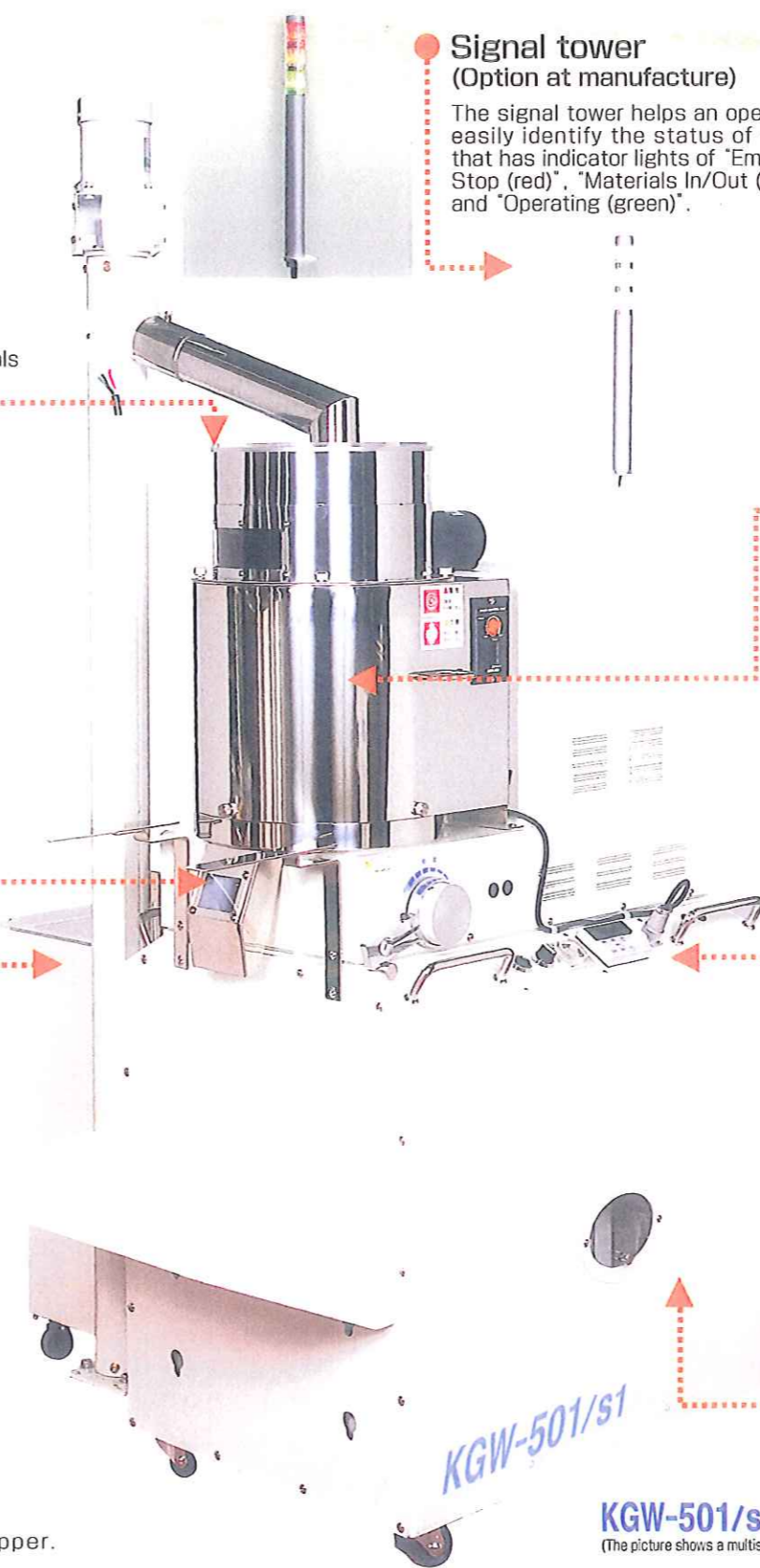
Auto Feeder (Option at manufacture)

Automatically supplies materials into a hopper. (Capacity: Approx. 50 kg of soybeans)



Cooling water feeder

Feeds cooling water stably to reduce heat generated from the stone grist mill.



KGW-501/s1

KGW-501/s1

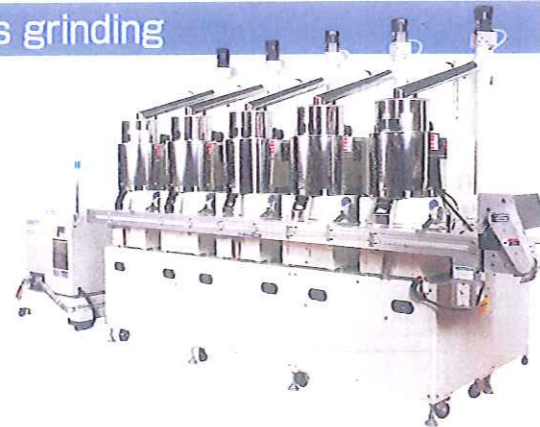
(The picture shows a multisystem with options attached)

Multisystem for mass grinding

MICRO POWDER is available in a stand-alone form or in a multi-system of five mills connected (KGW-501/s5). Upon request a multisystem of 10 mills and 30 mills will be also available.

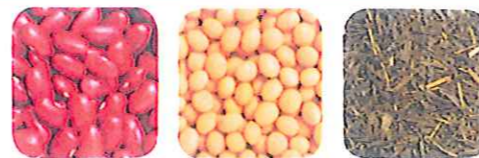
KGW-501/s5

(The picture shows a multisystem with options attached.)



Save time and cost through simultaneous grinding of different materials

MICRO POWDER grinds mixture of different materials simultaneously into uniform grain size powders.



Quiet and space saving

It adopts the small stone grist mill method to reduce noise, save space and for easy maintenance.

For peeling of husk of buckwheat and wheat

— Small size grinding mill —

Sobakko

(3 ~ 5 kg/h of buckwheat without husk)

KGW-G400 PAT.

