

# KWANGPUNG

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forging ahead with the best quality products



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## Auto Seeding Machine JK-2002

JK-2002 has a small hopper aid box (50L), and a rice seed box does not have a separate motor.



### Product Features (Common Details)



#### Height adjustable auxiliary ladder

It can lift a seeder up to 70cm and can be moved easily using wheels simultaneously. It is easy to settle horizontality in any work places by using a small bowl.



#### Seedling box slot

The roller on a seedling box slot pushes a seedling box hard, so seeds are sowed without the spaces between boxes being open.



#### Power Operating Multi-Tab

A multi-tab controls the power of each part of a seeder so it is convenient to use.

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**Soil bucket/Soil agitating spindle**

The soil bucket prevents body injuries and damage on seeders caused by foreign substances such as sacks being rolled into the bed soil bucket and the molding bucket. The soil agitating spindle in the bed soil bucket and the molding bucket allow soil to be spread evenly on a seeding box by crushing clods.



**An auxiliary beveling machine**

(A device with a red roller in the middle of the picture) prevents significantly twisted seedling boxes from getting on and getting entangled with each other on a rail.



**Beveling machine**

A beveling machine flattens soil in the corners of a box to prevent rice seeds from being mis-planted due to soil being piled up at at slant on the end and beginning of a box.

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**Bearing guide**

A bearing guide helps seedling boxes to proceed in the middle of a seeder to prevent a seedling box from getting jammed and secure the uniformity of seeds on the right and left of a seedling box.



**Water container**

A water container sprays water to a seedling box sufficiently through two watering pipes using natural fall.



**Rice seed box brush**

The brush in front of a rice seed box sweeps rice seeds on a seedling box into a seedling box.



**Rice seed box dropping blade**

A rice seed dropping blade on the bottom of the rice seed box increases the seed uniformity in a seedling box by making rice seeds drop without adhering to a sowing roller.



**Clutch**

A clutch registered to the Korean Intellectual Property Office is used so there is no seedling boxes wasted at the time of initial setting and last seedling work.

Auto Seeding Machine  
JK-2002



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## Operating Efficiency

Operation method	Details
Rice seed amount adjustment	The amount of rice seeds can be freely adjusted on a seedbed between 100g~400g.
Seedbed processing capability per hour	It can be adjusted into two levels, standard 660 and high speed 1000 seedling boxes.

## Specifications

Number of boxes per hour (control motor)		Full-length (mm)	Full-width (mm)	Overall height (mm)	Weight (kg)	Hopper capacity(ℓ)			Power transfer unit
High speed	Standard					Bed soil	Seeding	Cover-up soil	
1000	660	7580	500	1060	160	50	50	50	Chain roller type



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## Auto Seeding Machine JK-2500

A hopper aid box is large and there is a separate motor in a rice seed box so it can do rice planting at random intervals (310~450g).



### Product Features



#### Motor

Equipped with a two-speed motor, it can adjust the seedling speed to two levels of 600 and 1,000 seedling boxes per hour.



#### Seedling box loading

Once up to 10 seedling boxes are loaded in stages, boxes are automatically supplied to a seeder.



#### Rice seed box motor

There is a separate motor installed in a rice seed box so rice seeds can be sowed uniformly.



#### Hopper aid box

More soil can be put in by attaching a large hopper aid box (100L).

### Operating Efficiency

Operation method	Details
Rice seed amount adjustment	The amount of rice seeds can be freely adjusted on a seedling box between 100g~400g.
Seedling box processing capability per hour	It can be adjusted into two levels of standard 660 and high speed 1,000 seedling boxes.

### Specifications

Number of boxes per hour (control motor)		Full-length (mm)	Full-width (mm)	Overall height (mm)	Weight (kg)	Hopper capacity(ℓ)			Power transfer unit
High speed	Standard					Bed soil	Seeding	Cover-up soil	
1000	660	7580	500	1150	169	100	50	100	Chain roller type

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## Auto Seeding Machine JK-3000

This is a collective automatic seeder with the best specifications which has all options (a BLCD motor that can adjust 400~1,600 seedling boxes per hour).



### Product Features



#### BLDC Motor

A strong BLDC motor helps to seed the desired amount of seedling boxes from 400~1,300 boxes per hour.



#### Seedling box loading

Once up to 10 seedling boxes are loaded in stages, boxes are automatically supplied to a seeder.



#### Rice seed box motor

There is a separate motor installed in a rice seed box so rice seeds can be sowed uniformly.



#### Hopper aid box

More soil can be put in by attaching a large hopper aid box (100L).

### Operating Efficiency

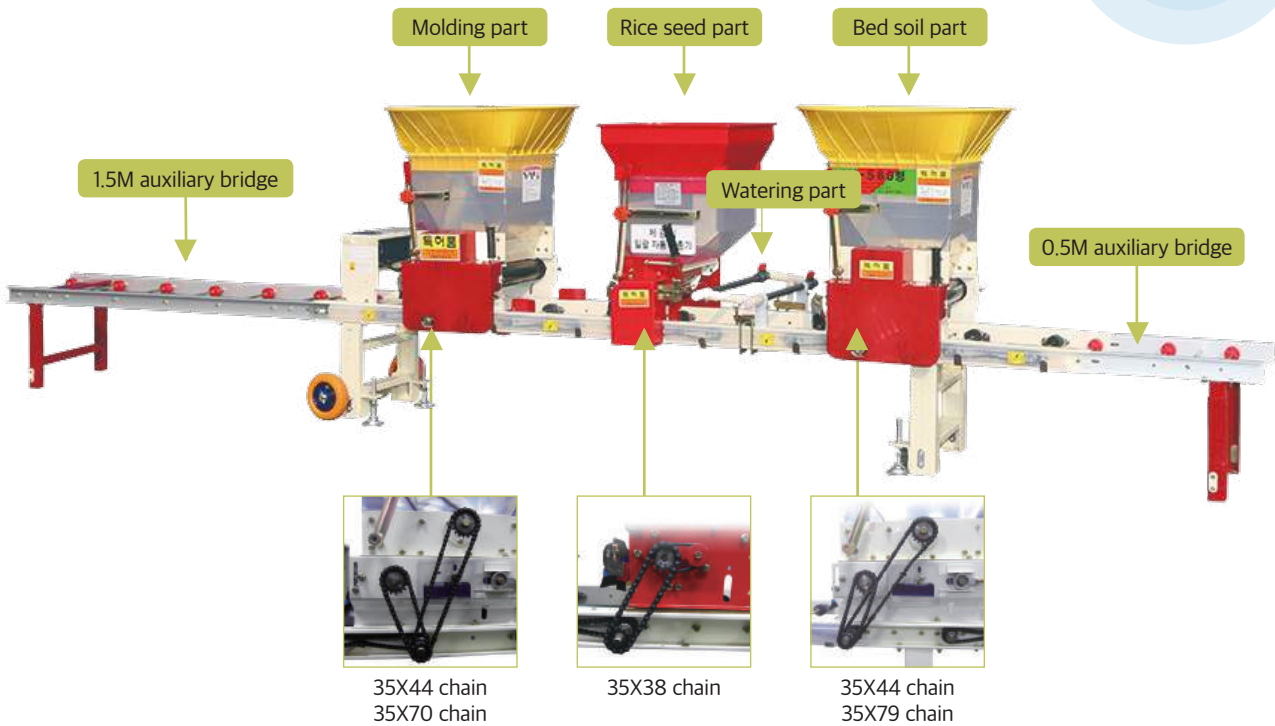
Operation method	Details
Rice seed amount adjustment	The amount of rice seeds can be freely adjusted on a seedling box between 100g~400g.
Seedling box processing capability per hour	It can be freely adjustable between 400 ~ 1300 boxes.

### Specifications

Number of boxes per hour (control motor)	Full-length (mm)	Full-width (mm)	Overall height (mm)	Weight (kg)	Hopper capacity(ℓ)			Power transfer unit
					Bed soil	Seeding	Cover-up soil	
Adjusting between 400~1300 freely	7580	600	1150	183	100	50	100	Chain roller type

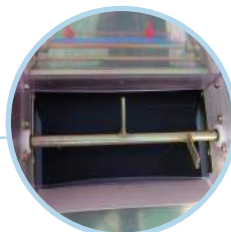
# Auto Seeding Machine JK-580

## How to assemble



**Motor**

Equipped with an innovative control motor, this product can freely control the number of seedling boxes that can be treated per hour, ranging from 500 to 1,000 boxes



**Soil box**

The soil agitating spindle is attached to both the bed soil box and the molding box, enabling the soil to be supplied smoothly.



**Rice seed box**

Equipped with a much improved rice seed box, the rice seed is uniformly sown, missing plants do not occur, and required quantity is sown accurately.

## Specifications

Number of boxes per hour (Control motor)	Full-length (mm)	Full-width (mm)	Overall height (mm)	Weight (kg)	Hopper capacity(ℓ)			Power transfer unit
					Bed soil	Seeding	Molding	
Freely controlling from 500 to 1,000 boxes	4200	600	1020	96	50	50	50	Chain roller type



A surprise launching of JK-580 as a result of ceaseless research and development

## Manual roller-type seeding machine JK-300



### Features

- The process of seeding and molding proceeds simultaneously, reducing labor cost and improving work efficiency.
- Both the rice seed box and the molding box are made transparent, helping check the balance easily.
- The quantity of rice seed and molding can be controlled easily by the lever.
- This product is available either in the field or in mountainous territory where electric power is not available.

### Specifications

Number of boxes per hour (Control motor)	Full-length (mm)	Full-width (mm)	Overall height (mm)	Weight (kg)	Hopper capacity(ℓ)		Power transfer unit
					Seeding	Molding	
650 boxes	2500	600	820	34	50	50	Chain roller type

## Push stick seeding machine JK-5



### Features

- This product can be easily moved or operated by one person.
- There can be no damage caused to the rice seed due to a special push stick roll.
- The seed can be sown closely and uniformly by a special dispersing device (comb shape).
- This product, made of special reinforced plastic, is light and hard.

### Specifications

Standard	Width(mm)	Length(mm)	Height(mm)	Weight (kg)
Case(Top)	340	250	290	1.0
Bridge(Bottom)	750	325	76	0.6

## Seedling box supplier Type B JK-570



### Specifications

Full-length (mm)	Full-width (mm)	Overall height (mm)	Weight (kg)	Maximum quantity of box loading	Quantity of processed boxes per hour
1180	490	800	48	15 boxes	400~1300 boxes

### Features

- Attached to the front side of the seeding machine, this product can automatically supply 20 seedling boxes at a time.
- It can accurately supply the seedling box with the cam method.
- It can reduce one manpower by automatically supplying the seedling boxes.
- Number of boxes handled per hour can be controlled freely ranging from 400 to 1,300 boxes.
- After-service can be provided according to the condition of the seedling box.

## Seedling box loader JK-575



### Specifications

Full-length (mm)	Full-width (mm)	Overall height (mm)	Weight (kg)	Maximum quantity of box loading	Loadable weight	Quantity of processed boxes per hour
1610	510	550	45	350	60 kgs (10 units of the seedling box)	400~1300 boxes

### Features

- Attached to the front side of the seeding machine, this product can automatically supply 20 seedling boxes at a time.
- It can accurately supply the seedling box with the cam method.
- It can reduce one manpower by automatically supplying the seedling boxes.
- Number of boxes handled per hour can be controlled freely ranging from 400 to 1,300 boxes.
- After-service can be provided according to the condition of the seedling box.

The following products are **best suited to the KWANGPUNG** seeding machine, developed with the technological prowess accumulated by manufacturing seeding machines for 40 years.

## Seed awning sorter (Cum winnower) JK-530

### Features

- This product selects seeds carefully and removes awn for uniform quantity and density of seeding.
- It is also used as a winnower and offers both efficiency and convenience at the same time, contributing to increase in farm income through reduction of labor cost and improvement of work efficiency.

### Specifications

Full-length (mm)	Full-width (mm)	Overall height (mm)	Weight (kg)	Quantity of bed soil (t/h)	Hopper capacity (ℓ)
860	670	1360	96	480	40



## Bed soil maker JK-1000

### Features

- This product produces the bed soil and molding required for the seeding machine.
- After smashing the lumpy soil, it separates the selected soil and impurities (stones, tree roots, etc.) through the sifter.

### Specifications

Motor	Full-length (mm)	Full-width (mm)	Overall height(mm)	Weight (kg)	Quantity of bed soil (t/h)	Hopper capacity (ℓ)
AC220V 1.5KW(4P)	1650	610	1070	85	1750	10

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It is a machine screening disease and (insect) pest-resistant matured grains only by filtering awn, unmatured grains, etc. attached to the rice seeds, which prevents the damage(s) from hypotrophy of seeds, infectious disease(s) and (insect) pest, poor germination and so on in the early stage and can handle decrease in use of agricultural chemicals, the economic effect from cost cutting, decrease of all kinds of diseases, awning, fanning (winnowing), screening (effect of brine assortment) all at once.



1st awning and winnowing



2nd filtering of unmatured grains



3rd screening matured grains



### Before using Seed Screening Awn Remover

- It is unable to evenly seed rice seeds because lots of awned vernalglass of rice seeds are caught in a seeding machine.
- Seeds do not sprout evenly and it may be in danger of a disease and insect pest.
- Poor yield.



### After using Seed Screening Awn Remover

- It makes the shape of rice seeds be uniformed and it is possible for precise operation to evenly seed them.
- It is possible to produce strong and healthy seedlings against a disease and insect pest.
- Rich yield.

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## Seed Screening Awn Remover MD600



### Features of Seed Awn Screener

- It is possible for awning and screening of rice, barley, black rice, etc. and completely removing hayseeds.
- The largest power with max. 2hp motor in the industry - max. capacity 400kg
- Exact screening by size via a screen net



1<sup>st</sup> awning



2<sup>nd</sup> filtering of unmatured grains



screening matured grains

### Awning + Wincrowing + Screening (effect of seed selection with salt solution)

- Awning vernalglass, unmatured grains and matured grains are completely separated and discharged!

### Product Specifications

MODEL	MD 600	Auto 600
Size	1020×420×1300	1020×420×1300
Power Consumption	2kw for single phase	
Capacity	400kg	400kg
Features		Blower type

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**Germinator MD 900** for 350kg rice seeds



- Small and light seed tank!
- Sufficient oxygen supply - using a bubble generator with a large capacity of 40L ~ 60L per minute
- Safety Device
  - A voice announcement device is embedded.
  - It is safe because all the function is embedded in a water level sensor and a control box and it is possible to check acurrent temperature and set temperature

**Germinator MD 1600** for 600kg rice seeds



- Patented Support
  - simultaneously.
  - Air bubbles (oxygen) are evenly spread along the groove to the patented support. So, it is smooth to supply oxygen and hot water is circulated along the side groove in order to minimize the deviation of temperature.
  - It is made of a solid material and is not dented even by plenty of rice seeds.

**Rice Seed Tray Washer**



**Product Features**

- It prevents the distortion of the tray and lengthens the life of the tray by washing a tray.
- It reduces the generation of pathogenic bacteria such as diseases and insect pests (leaf blast disease, node blast disease, sheath blight, etc.).
- It is a vibration-typed washing by a crank shaft. Accordingly, it is able to connect with a tap without any sprayer and to cleanly wash even with small quantity of water.
- Just push a tray into the inlet to wash. It automatically transfers a tray.
- Easily organize the trays cumulated at the rack after being washed.

**Specifications**

Full-length (mm)	Full-width (mm)	Overall height (mm)	Weight (kg)	Maximum quantity of box loading	Loadable weight	Quantity of processed boxes per hour
1610	510	550	45	350	60 kgs (10 units of the seedling box)	400~1300 boxes

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## Medicine Sprayer JK-75

### Features

- It can be easily attached to all of KwangPung's automatic seeders.
- The desired amount of medicine can be sprayed freely using a control motor.
- Damages by blight and harmful insects can be prevented by simply spraying medicine into seedling boxes when seeding.
- All the medicine forms (globular type, long grain type) currently available on the market can be used.
- Make sure to consult a pesticide company before using agricultural pesticides.
- Add 1m auxiliary ladder if there is insufficient space for installation.



### Specifications

Full-length(mm)	Full-width(mm)	Overall height(mm)	Hopper(ℓ)	Weight(kg)	Quantity of processed boxes per hour	Applied amount
450	420	450	50L	13Kg	400~1300 boxes	Adjustable between 10~100g

## Fertilizer Applicator JK-78

### Features

- It can be easily attached to all of KwangPung's automatic seeders.
- The desired amount of fertilizer can be sprayed freely using a control motor.
- Foundation manure, can be skipped by spraying fertilizer easily when seeding so it can reduce labor.
- Make sure to use exclusive fertilizer only at the same time of seeding.
- Make sure to consult a fertilizer company before using fertilizers.
- Add 1m auxiliary ladder if there is no enough space for installation.

### Specifications

Full-length(mm)	Full-width(mm)	Overall height(mm)	Hopper(ℓ)	Weight(kg)	Quantity of processed boxes per hour	Applied amount
450	420	450	50L	13Kg	400~1300 boxes	Adjustable between 300~900g



# A seedling box sorter, the result of constant research and development, has finally been released!

You can use a seedling box sorter when laying seedling boxes in a nursery so that **you don't need to bend over.**

- ☑ Handles up to 4,000 boxes per hour!
- ☑ Four or more types can separate the middle part!  
-> Easy to store and can be used in various environments.
- ☑ 2~3 persons can work together.
- ☑ Powerful 120W motor

(Example of using the seedling box sorter)



## Jk-2J Seedling box sorter 2-line type

Full-length (mm)	Full-width (mm)	Overall height(mm)	Weight (kg)	Working Capacity
2530	128	840	125	700~1400 box/1hr

## JK-3J Seedling box sorter 3-line type

Full-length (mm)	Full-width (mm)	Overall height(mm)	Weight (kg)	Working Capacity
2530	1890	840	160	1000~2000 box/1hr

## JK-4J Seedling box sorter 4-line type

Full-length (mm)	Full-width (mm)	Overall height(mm)	Weight (kg)	Working Capacity
2530	2500	840	220	1400~2800 box/1hr

## JK-5J Seedling box sorter 5-line type

Full-length (mm)	Full-width (mm)	Overall height(mm)	Weight (kg)	Working Capacity
2530	3110	840	2550	1700~3500 box/1hr

## JK-6J Seedling box sorter 6-line type

Full-length (mm)	Full-width (mm)	Overall height(mm)	Weight (kg)	Working Capacity
2530	3720	840	290	2000~4000 box/1hr



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• The quantity of work done per hour may vary depending on the condition of the seedbeds.