

## ZK-YB330D Vegetable (Tobacco) Planter (Single Machine)

### parameter

#### 1 Overview

ZK-YB330D vegetable (tobacco) planter (single machine) can complete all the operation procedures of small seed seedling sowing at one time, and is widely used in the seedling and sowing of small seeds such as vegetables, tobacco and flowers. The product adopts the patented technology of vacuum negative pressure needle suction and suction, which realizes the precise sowing of small seeds. The product has a high degree of automation, compact structure, beautiful appearance, practical and reliable. The use of this product can save labor and reduce costs, and is the first choice for vegetable seedling cultivation in greenhouses and tobacco cultivation.

Plug planters have been used by a large number of vegetable and flower growers in China. The new plug tray planter has the advantages of high productivity and high precision. The new needle suction planter can produce up to around 600 trays per hour. The seeding accuracy of the new plug-type planter is as high as about 98%, and the rate of missed seeding and replaying is low. Different seeding molds can be configured for different types of seeds to improve the seeding accuracy.



#### 2. Technical solutions

The plug trays use standard conventional plug trays and drift trays, with a length of 540mm and a width of 280mm. 50 points, 72 points, 105 points, 128 points, 168 points, 200 points are all suitable. Matching method In order to make the plug planter work more accurately and efficiently, the equipment used in conjunction with the plug planter includes production lines such as a matrix filling machine, a plug planter, and a covering soil conveying system.

### 3. Equipment structure and usage principle

At present, plug seeders are divided into two types: needle suction vacuum seeders and semi-automatic needle seeders.

Pipeline needle suction vacuum seeder frame and use principle The needle suction vacuum seeder is a fully automatic high-speed seeding machine

This kind of equipment can sow about 500 trays per hour. All settings including plug or seed models are stored in the meter

All settings including the desired vacuum pressure value for the seeding drum can be set during the operation of the machine

Maintain continuous monitoring and regulation for optimal seeding results. Programmable and save by using the touch screen operator

All settings. An unlimited number of seeding programs can be stored by using programs. Pipeline needle suction vacuum seeder

It is divided into two parts: front-end matrix pressing hole unit and back-end vacuum seeding unit. The front-end matrix press hole unit is carried out by the press hole

Work, press holes in the substrate in the plug tray for rear end seeding work. The rear vacuum seeding unit relies on vacuum suction

force to attract the seeds to the suction needle, and the conveyor belt is equipped with a solenoid valve induction system to sense whether there is a tray passing through.

When sensing the passage of the plug tray, the seeds adsorbed on the suction needle will automatically fall into the holes of the plug tray. Needle suction

The seeder has a unique nozzle, the unique design of the suction nozzle makes the seeder have the function of dredging the

Blocking, thereby reducing the number of heavy or leaking seeds. Many different nozzle sizes are suitable for almost all current seeding

machine type. Large, small, coated seeds, uncoated seeds, round and all kinds of odd shapes

can be installed and used.

### 4. Use effect

Traditional manual sowing 2000 to 3000 grains per hour, up to 5000 grains per hour, needle seeder

The production capacity is equivalent to the efficiency of ten workers, saving labor and costs. At the same time, traditional sowing will produce a large number of

Missing and multicasting phenomena, but after using the seeder to sow, the seeding accuracy is as high as about 98%, reducing leakage

Replay and replay occur.

### 5. Target parameters:

<b>Weight of the</b>	<b>58</b>
<b>whole machine, kg Dimensions (L*W*H),</b>	<b>1400*900*1100</b>
<b>(mm) Supporting power, KW /</b>	<b>0.12kw/220v</b>
<b>V Applicable disk seeding</b>	<b>540*280 ÿ Various plastic trays</b>
<b>rate, g/disk seeding</b>	<b>20mg</b>
<b>efficiency, % sowing speed,</b>	<b>About 98%</b>
<b>disk/hour seed meter form</b>	<b>500-600 discs/hour</b>
	<b>Needle suction seeding</b>