



Select-O-Mat III

Achieves exceptionally precise gradings and handles delicate plants with care.

KEY FEATURES:

- Simple operation of the machine, minimal training required, easy to use windows PC and TEX control panel
- In house developed camera software
- Small number of moving parts
- Plants are standing still while making pictures of the plant
- Capacity 3,000-4,000 plants/hour depending on plug size, plant size and tray size

The Select-O-Mat III grading machine is a uniquely designed machine for grading young plants into 3 different grades.

Trays with young plants will be put between the slats of the source conveyor belt which transports the tray to the push-up unit. At the push-up unit, several plants will be pushed up, not the complete row but $\frac{1}{2}$, $\frac{1}{3}$ or $\frac{1}{4}$ of the plants of 1 row will be pushed up at once. In this way, plants are placed completely separated from each other in front of the camera.

Options:

1. 2nd camera for grading on plant width
2. Destacker for destination tray
3. Extra push-up unit for another tray size
4. Extra holder at push up when not using star-tray



Inside the Select-O-Mat III, plants are pushed up by push up pins and pictures are taken by the camera. The pins can rotate if multiple photos are required of each plant. After the pictures are analyzed, the grippers take the plants on the push-up pins and bring them to the correct destination conveyor. On the destination conveyor, the plants will be put in the tray for the correct class. Rock wool plugs can be replaced in the same size cell, loosely filled plugs are placed back in a tray with fewer cells.



BENEFITS

- Handles plants with care
- A single operator can run 3 or more units
- The PC based camera system allows for ease of use regarding program adjustments, camera info, data collection and export
- Proven, reliable through-put capacities even when running 24 hours a day
- Reliable and simple to maintain
- Quick cleaning and sterilization of the gripper fingers which touch the plugs
- Easier to control a disease spread than with a cup system.
- Low noise level
- Smaller footprint even with multiple machines



The Select-O-Mat III features a proven push-up system for accurate grading and gentle handling of the plants. Unique 4 finger gripper spreads apart for picking and planting only gripping the plug and not the plant.

Technical Specifications:

Dimensions (L x W x H):	14' - 9" x 9' - 10" x 6' - 7"	4.5 x 3 x 2 m
Total kVA:	2,5 kVA	
Total Air Consumption:	8.82 CFM	250 Liters / min
Weight:	3,306 lb	1,500 kg
Plug Size:	Suitable for a 405 plug tray up to a 128 plug tray	
Plant Height:	Depending on plug size, but max 3 1/8" (8 cm)	
Capacity Guidelines:	3,000 – 4,000 plants / hour (depending on plug size, plant height and type of tray)	





With over 20 years in the horticulture business, Bellpark Horticulture is a trusted name in Horticultural Automation Solutions. Serving growers in Canada and the United States, the Bellpark team strives to provide customers with the highest quality solutions.

Our sales and project consultants realize that each grower is different and that each project requires a personal level of attention to detail to ensure its success.

Our service team is committed to offering our customers the highest level of service with the quickest response time. With a dedicated parts and service department, our factory-trained technicians are available when you need them.



Since 1967, Visser Horti Systems has designed and manufactured machines and complete production lines for both large and small horticulture nurseries. They are dedicated to producing innovative, quality greenhouse machinery.

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