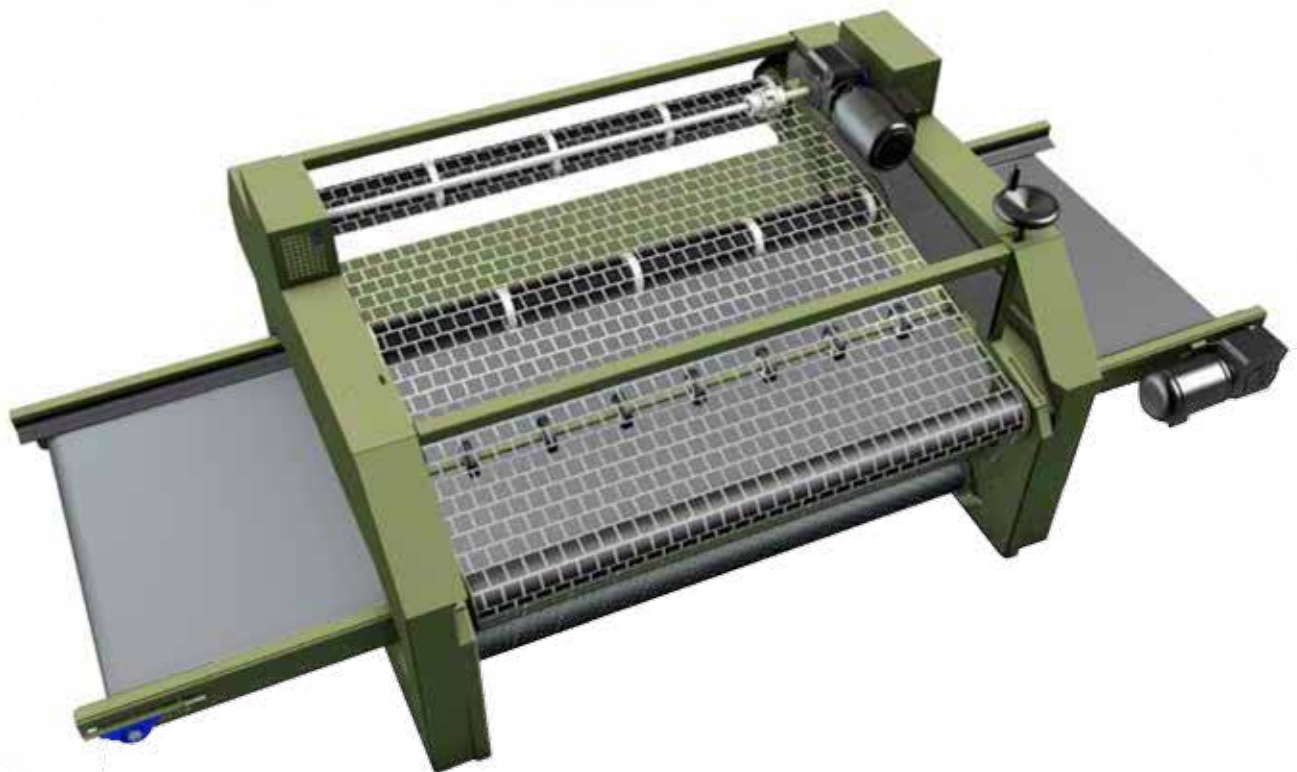


GRADING

Vector

Wave Motion Sizer

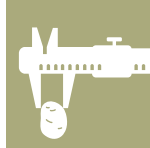
Flexible Size Grading In Multiple Configurations for Potatoes, Onions, Bulbs and Red Beet.



The New Herbert VECTOR grading module is the result of extensive research and development to improve the performance and accuracy of screen sizing particularly when working with larger mesh screens and long tuber varieties.

In contrast to almost all other sizers, the top rear and bottom front rollers drive the screen of the VECTOR. The screen on the front roller is carried on a series of freely rotating discs that protrude just above the intermediate pintle sections allowing them to be driven at twice the forward speed of the screen.

We treasure your roots



TECHNICAL DATA

Modules available in the following sizes:

Wide	Standard	Capacity
900	1.73M	20tph
1200	1.73M	25tph
1500	1.73M	35tph
1800	1.73M	40tph
2400	1.73M	50tph

The speed differential has the effect of gently ejecting any long tubers or bulbs that have become lodged in the screen and by so doing eliminating one of the main problems of conventional sizers. Additionally, in dirty conditions, because the pintle is rotating independently of the screen, uneven build up of soil is prevented allowing the screen to always run true.

Agitation to the screen is created by means of a smaller diameter version of the main front roller, which unlike conventional agitators will also dislodge any trapped tubers and increases sizing accuracy. The whole shaft moves up and down producing a constant Wave Motion and because the screen and agitator are in constant register impact damage is eliminated.

If the application is purely for onions, the pintle rubber section sleeves on the final top shaft and agitation rollers can be replaced with brush rollers to prevent neck damage.

VECTOR graders, which can work with both plastic and wire screens as well as our Pyramid screens and have been designed for both single and multiple close nested applications. In addition, the modular design allows the opportunity to retrospectively fit the new system into most existing Herbert machines using the original length screens and cross conveyor.

FEATURES

- Suitable for potatoes, onions, bulbs and red beet
- Long tuber ejection as standard
- Independent inverter drives to both screen and agitator.
- New design for quick and easy screen changes
- High capacity accurate crop sizing
- No impact damage
- Robust and simple construction
- Direct replacement into most existing Herbert grading lines

OPTIONS

- Brush section rollers for Onions
- Spacer belts to pitch grader cross conveyors to suit other equipment
- Screen racks to store alternative screens above the module
- Interchange facility to move module sideways on repetitive screen changes



Screen Tensioning



Wave Motion Agitation



Variety of screen material, size and shape available



available with Pyramid Screen

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