

Eqrader – OG 4

Optimal classification and sorting



The Eqrraft Eqrader sorts onions at high speed by quality, size, weight, shape and color based on internal and external checks.

To ensure the best possible optical inspection, the onions are cleaned by means of advanced extraction units before and during the grading process. This also keeps the machine clean from excessive dust and skins. The Grader uses the dark chamber principle and near infra red for retrieving the most reliable information about the internals of the onion. To prevent blurred images, each onion is held still at the cup while inspecting it. Next, the onion is inspected externally from two different positions to determine color, skin condition and sizes.

Finally, the onion is weighed and deposited in the assigned exit as set up by the operator. As each product has been inspected and rated you also gain the opportunity do something with this data for e.g. to grade off specific volumes to fill niches or specific orders.

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Capacity	15 MT / hour output graded in bins.
Energy requirements	80 Kw 3 phase, neutral, ground air pressure 6 bar 500 liters/min, filtered DSL Internet
Compatibility	Can be electrically connected to other machines Eqcontrol compatible
Options	<ul style="list-style-type: none">- Neural network for improved classification and selection- Larger cup pitch for bigger product- Extra exits- 1 step drop breakers on exit conveyor- Vertical bin fillers for gentle product handling (finger belt fillers / fixed channel filler with bottom conveyor)- Automatic bin handling
Characteristics	Feed channel sides and covers in stainless steel machine frame mild steel powder coated axial roller elevator for even infeed infeed V-belt system singulator and cup filler V-belt system with independent speed controll soft rubber cups at 95mm pitch return conveyor for dropped and not selected product 8 exits included free programmable first exit is standard tarre exit automatic cup wash and dry system.



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