

CONRAD-G



Gherkin is an 100% export crop grown in and around Karnataka. 50+ gherkin pickle exporters make India the second largest exporter in the world. Fruit fly infections in gherkins is detrimental to the export industry. Wide Mobility has developed a "first of its kind", "Make In India" X-Ray based inspection machine called CONRAD-G. The feeding, imaging and segregation are fully automated. CONRAD-G X-Ray images the gherkins, processes the image and classifies the same on predetermined criteria. Once classified, the gherkins are pneumatically separated, enabling the user to extract high quality gherkins from the incoming lot. CONRAD-G inspection techniques have better advantages over manual inspection methods. Infections are identified irrespective of their size, orientation. Pin-hole infections, infections which are visible/not-visible externally are also identified.

SPECIFICATIONS

● Model Name:	CONRAD-G
● Dimensions (LxWxH), mm):	8700 x 2500 x 2020
● Inspection:	Gherkins (Grades: 60+, 30+, 20+)
● Throughput:	0.6 - 1.0 TPH (Grade dependent)
● Accuracy:	> 95%
● Efficiency:	> 85%
● Air Pressure Input:	Compressed Air, 6bar
● Ejection type:	Pneumatic
● Structure material:	Stainless Steel 304
● Electrical Input:	3Phase, 50Hz
● X-Ray Specifications:	Operated at 160kV, 2mA ,320W
● Shielding:	2mm Lead sheet between 2mm SS sheets
● Leakage Radiation:	< 1μSv/h on the outer surface
● Operator Interface:	13.3" colour touch screen monitor
● Operating Software:	WINDOWS
● Safety feature:	Interlocks and limit switches
● Regulatory Compliance:	TYPE Approval from AERB (Atomic Energy Regulatory Board, Govt of India)



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