

METAL DETECTOR FOR ALUMINUM-PACKAGED PRODUCTS

Dual Sensor Type **NEW**

Wider Conveyor Selection(250, 350 & 500mm)

NAD-4000 Series



ALCON⁺



Certified by CE mark

ECONOMICAL AND EFFECTIVE SEARCH FOR METAL IN CONDUCTIVE OR ALUMINUM-PACKAGED PRODUCTS

NAD4000 Series metal detector detects even the smallest metal particles safely and reliably in every type of aluminum-packaged products

Compared with X-Ray scanners, **NAD 4000 Series** overcomes the high density differences in product or high evaluation thresholds due to variations in the production process. The intelligent, passive magnetic surface sensor works without wear, contrary to X-Ray scanners, and is easy to operate as the systems works without X-Rays.

Wet and salty products such as cheese and meats do not affect detecting performance. Wires, chips and broken injection needles are reliably detected irrespective of product orientation.



Total Inspection Systems & solution

NOW SYSTEMS CO., LTD.



Just let it go as it is!



Retort Pouches



Aluminum Cap



Pickled Foods



Aluminum Packaging



Other type of Packaging



NOWSYSTEMS
NAD4000 Series ALCON

METAL DETECTOR FOR ALUMINUM-PACKAGED PRODUCTS

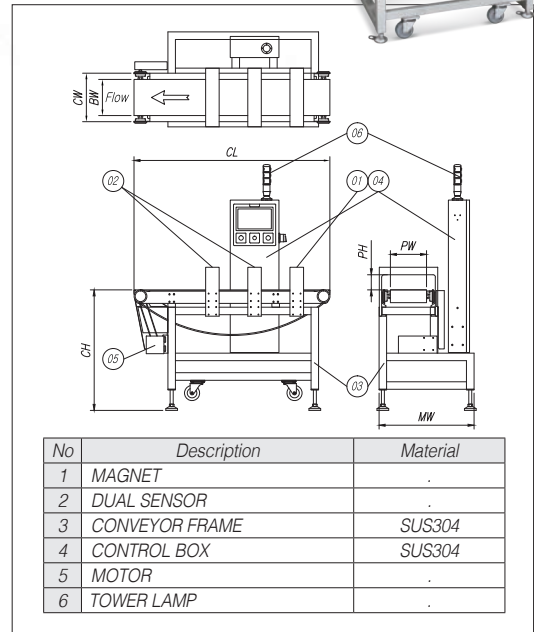
NAD-4000 Series



ALCON[®]



- Dual Sensor Type (New) More Stable Operation
- Wider Conveyor Selection (250, 350 & 550mm)
- Without hazardous X-Rays
- Wear-free detecting system
- No need to care about "product effect" & "hot temperature"
- Usable with every type of aluminum-packaged products
- Configurable Passing Height (Min. 50 ~ Max. 150mm by every 10.0mm)
- Password Setup Function
- Low investment and maintenance cost
- No need to be certified or inspected by government law
- Product orientation does not influence the signal strength
- Easy to learn & No need to train an operator
- Connectivity to Various External Devices
- Manageable Metal Detecting History
- Easy Software Update



Test Pieces (Hexahedron Type)

	(mm)					
Fe	0.8	1.0	1.2	1.5	2.0	2.5
	3.0	3.5	4.0	4.5	5.0	
SUS	0.8	1.0	1.2	1.5	2.0	2.5
	3.0	3.5	4.0	4.5	5.0	

* Certificate of Conformity for Test Pieces is available upon request

- Outputs > AC Output: 4 ports / 24V Output: 4 ports
- Power Supply
 - > Single Phase (110 to 220V) & Three Phase (220 to 380V and etc.)
 - > Free Cycle (50/60Hz) > Fuse (3A)
- Operating Temperature
 - > 0°C to 50°C (advised to use the machine under normal temperature)

Model Name		NAD4000-2505 ~ 2515	NAD4000-3505 ~ 3515	NAD4000-5005 ~ 5015
Machine Width (MW)		630mm		
Conveyor Size	Length (CL)	Min. 1,400 ~ Max. 1,800 (Every 100mm) (Min. 1,300 is possible for rejecter type)		
	Height (CH)	Min. 650mm (+/-50 & 100mm)		
	Width (CW)	390mm		
Belt Width	Plastic Belt (BW)	240mm	340mm	490mm
	Urethane Belt (BW)	250mm	350mm	500mm
Belt Speed	Plastic Belt	20 ~ 40m/min. (Changeable)		
	Urethane Belt	20 ~ 30m/min. (Changeable)		
Product Passing Height (PH)		Standard (90mm)		Min. 50 ~ Max. 140mm (Should be decided by every 10mm when making order, Not Configurable)
*Configurable by every 10mm / from the belt surface		Min. 40 ~ Max. 140mm		
Product Passing Width	Plastic Belt (PW)	240mm	340mm	490mm
	Urethane Belt (PW)	250mm	350mm	500mm
Testing Product Size	Width (W)	240mm	340mm	490mm
	Height (H)	Less than 150mm		
Display	10 inch COLOR TFT LCD Screen (Resolution: 800 x 480)			
Control	Touch Screen, Power Switch, Conveyor Switch & Emergency Switch			
Preset	Max. 50 items (Expandable upon request)			
IP Level (Conveyor)	IP-55			
Relay Ports	AC SSR Relay (8A) SPST NO (Form A): 4 ports			
	DC PhotoMOS (1A) SPST NO (Form A): 4 ports			
Inputs	8 ports			
Material of Protection Cover	PC (Polycarbonate)			
Tower Lamp	Green & Red (2 Colors) / Buzzer			
External Printer (Optional)	HP-320			
Rejecters (Optional)	AB	Air Blast		
	FB	Flip Bar (Separable Type)		
Allowable in-feed load	Around 1.0 Kg / Piece			
Unit Weight	Approx. 80.0 kg (Standard Conveyor Length: 1,400mm)			
Estimated Sensitivity (Ferrous & Stainless Steel 304)	1.0mm under passing height (50mm)			
	1.5mm under passing height (100mm)			
	2.0mm under passing height (150mm)			

*Note : Metals that exhibit magnetic properties such as iron and SUS 430 and stainless steel processed by cutting and bending (placed under stress) such as SUS 304 and SUS 316 can be detected. Aluminum, brass, copper, silver, gold, lead, titanium, etc. cannot be detected because they can not be magnetized.