

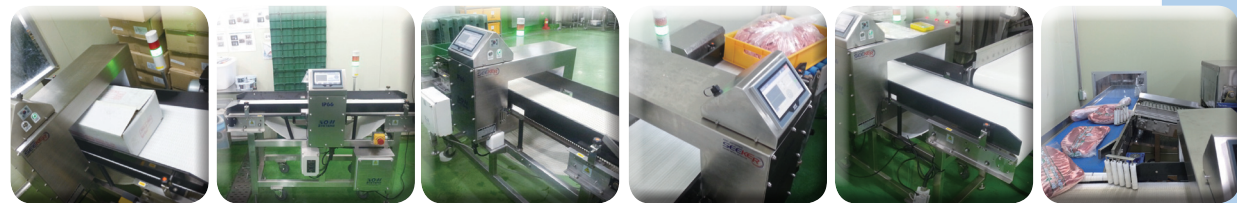
Application

General Food (Instant Food, Cookie/Bread, Kimchi, Vegetable, Tofu and etc.)

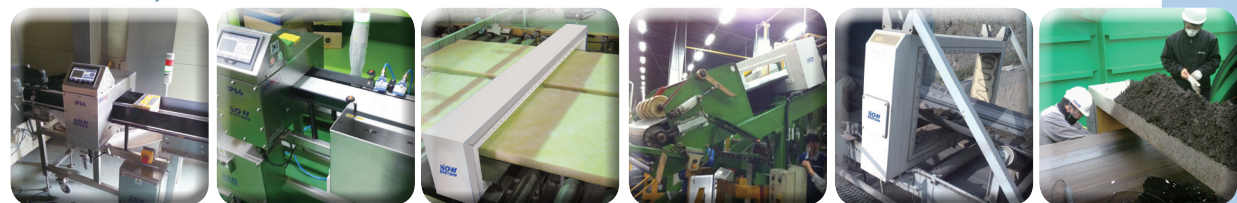


Sea Food (Frozen/Refrigerated Sea Food, Dried Fish and etc.)

Meat (Frozen/Refrigerated Meat, Other processed Meat and etc.)



General Industry (Rubber, Timber, Plastic, Chemical Resin, Raw Material Recycling and etc.)

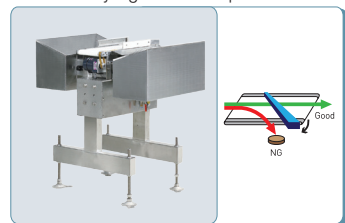


NMD530 Series

Auto Rejectors Available as option

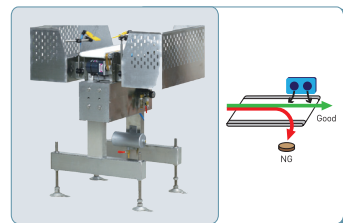
Flip Bar

For small sized (100~250mm) and light weighted (up to 6.0 kg) products
For relatively high-thickness products



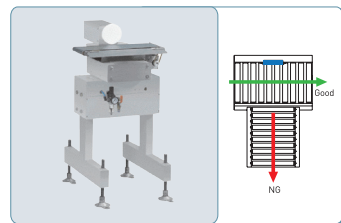
Air Blast

For small and light weighted (Max. 0.6 kg) products moving in a high speed



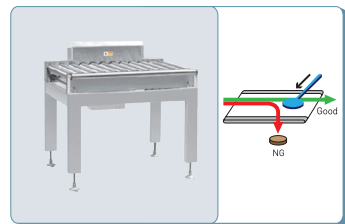
Pusher on Belt

For relatively light weighted (Max 0.6 kg) products



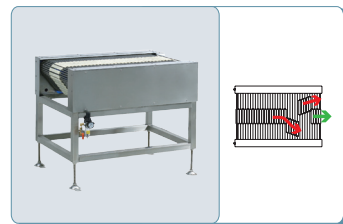
Pusher on Roller

For relatively heavy weighted (Max 30.0 kg) products contained in a box



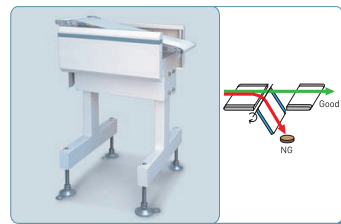
Slide Carrier

For light weighted (about 0.6 kg) products contained in a tray, a cup and a bag.



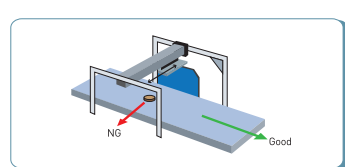
Drop Belt

For relatively light weighted (Max. 6.0 kg) and low-thickness products in a limited site



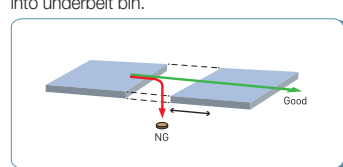
Roadless

For long shaped products



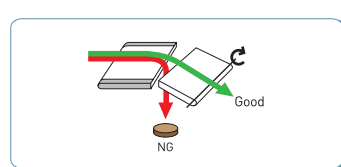
Retracting Conveyor

Retracting belt device depositing products into underbelt bin.



Dumper Chute

For products transferred in bulk



CONVEYOR TYPE METAL DETECTOR

NMD530 Series
SEEKER



- Multi-Frequency Operation
- Full Color Touch Screen (7 inch TFT LCD)
- User-Friendly Operating System
- Phase-Tracking Function
- Digital Signal Processing(32-Bit Microprocessor)
- Auto-Setting Function
- Powerful Durability (IP66)
- Smart Self-Diagnosis
- USB Port for Data Management
- RS232C & 485 Data Link Ports
- Security System (3-Level Passwords)
- Metal Detecting History Management
- Easy Software Upgrade
- Variable Languages Option



NMD530 Series(SEEKER) Conveyor type metal detector is the most widely demanded model among NMD530 Series range products. Offering multi frequency operation system which is able to auto-select the correct operating frequency for maximum contaminant sensitivity in seconds. No longer are operators required to manually optimize frequencies, which is both time consuming and risky.

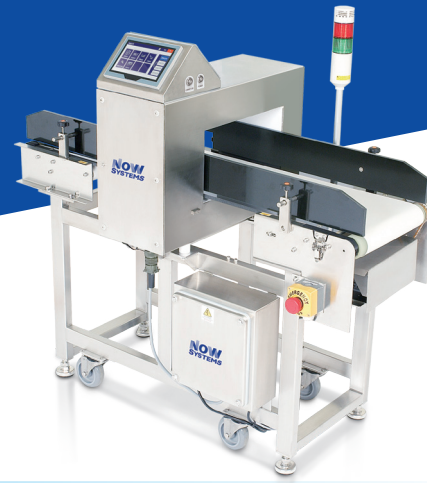
Complemented by an array of innovative features and advantages, NMD530 Series (SEEKER) Conveyor type metal detector delivers tangible benefits to the manufactures at every key stage in their process and is equally effective in both "wet" and "dry" application.



CONVEYOR TYPE METAL DETECTOR

NMD 530 Series

SEEKER®

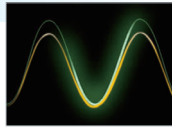


High Performance for Metal Detection

- Closed Coil System for perfect detection
- High quality filter for more precise detection
- Auto absorption function for vibration, impact, noise and etc.,
- Dust Proof & Water Proof Standard (IP66) authentication

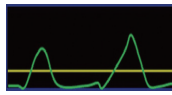
Multi Frequency Operation

- Supporting multi frequency operation mode that can measure various types of products with the correct operating frequency for maximum contaminant sensitivity in seconds



Phase Tracking Function

- Optimum detecting level is maintained by automatically coping with products of which phase is changed minutely, so detection is rather difficult such as frozen food.



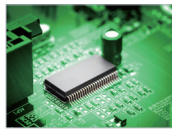
Full Color Touch Screen (7 inch TFT LCD)

- An intuitive and convenient full color touch screen, containing regional languages and user manual



Digital Signal Processing Function

- The adoption of 32-bit microprocessor has added more precise operation and performance of the equipment. Software filter technology to remove ambient noise affecting performance of a metal detector has been applied.

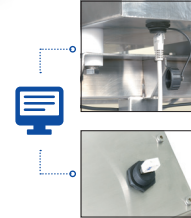


Exterior Design considering the convenience and aesthetics

- Modern and sensuous design in which both convenience and beauty are emphasized at the same time

Connectivity to external devices

- Backing up inspection history and etc., by using a USB removable disk and reviewing the data on a PC.
- Monitoring real-time operating status for multiple metal detectors through the connective access to LAN.
- Interlocking the machine to various typed external devices through RS232C & 485 port.



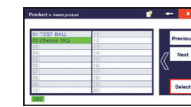
Auto-setting function of the inspection items

- Auto-setting the machine for a testing product with the most suitable values even for beginners not to operate the equipment properly.



Setting function of a variety of items for convenient operation

- Up to 100 kinds of products are registered with each different setting value for convenient operation.



Manageable Metal Detecting History

- Detection history by various classifications and periods (in a daily / weekly / monthly / period-specified way)
- Data on detection history accessibility by LCD screen, USB disk and Printer (Optional).



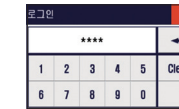
Easy Software upgrade

- Easy software upgradability by USB and touch screen whenever the latest version is available



Password Setup Function

- Setting up each three different passwords depending on each status (a user, an administrator and an engineer)



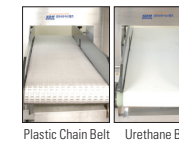
External Output Printer Setup Function(Optional)

- Additional option for installing an external output printer for detection history



Selectable Auto Rejecting System Type of Conveyor Belts

- Plastic Chain Modular Belt for oil or moisture resistance and no deformation or tension changes, impact and abrasion resistance.
- Poly Urethane Belt for contacting bulk foods (FDA accreditation)



Selectable Various Rejecting System

- Standard Rejector (Belt Stops, Audible Alarm & Lamp)
- Optional Rejectors (Flip Bar / Pusher on Belt / Pusher on Roller) (Air Blast / Dumper Chute) (Drop Flap / Slide Carrier)

* Please refer to page #4 for more details about optional auto rejectors.

Customizable Design

- Extended / Inclined Conveyor
- Super Wide Head Width (Max. 2,000mm) & Head Height (Max. 1,000mm)

Outputs

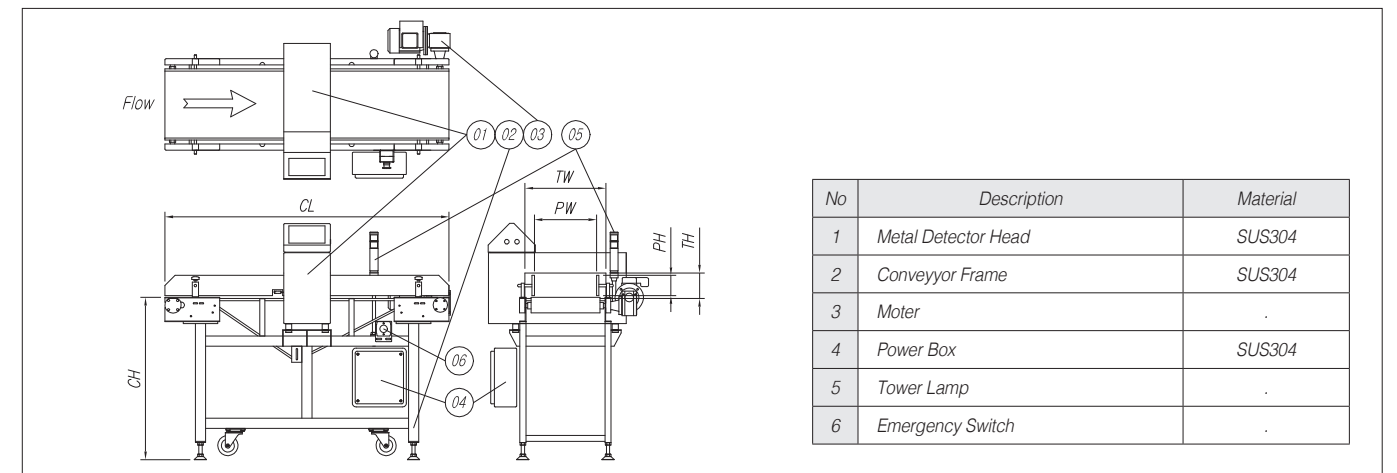
- Relay (5A) / 1A1B 2EA, DC24V SOL, AC220V 0.2A

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)



No	Description	Material
1	Metal Detector Head	SUS304
2	Conveyor Frame	SUS304
3	Moter	.
4	Power Box	SUS304
5	Tower Lamp	.
6	Emergency Switch	.

Specification

Standard Specification	NMD530 2010	NMD530 2015	NMD530 2020	NMD530 2025	NMD530 2030	NMD530 2510	NMD530 2515	NMD530 2520	NMD530 2525	NMD530 2530	NMD530 3010	NMD530 3015	NMD530 3020	NMD530 3025	NMD530 3030	NMD530 3510	NMD530 3515	NMD530 3520	NMD530 3525	NMD530 3530	NMD530 4010	NMD530 4015	NMD530 4020	NMD530 4025	NMD530 4030	NMD530 4510	NMD530 4515	NMD530 4520	NMD530 4525	NMD530 4530	NMD530 5010	NMD530 5015	NMD530 5020	NMD530 5025	NMD530 5030	NMD530 5510	NMD530 5515	NMD530 5520	NMD530 5525	NMD530 5530	NMD530 6010	NMD530 6015	NMD530 6020	NMD530 6025	NMD530 6030	
Tunnel Size	Width (TW)	200					250					300					350					400					450					500					550					600				
	Height (TH)	100	150	200	250	300	100	150	200	250	300	100	150	200	250	300	100	150	200	250	300	100	150	200	250	300	100	150	200	250	300	100	150	200	250	300	100	150	200	250	300	100	150	200	250	300
Passing Size	Width (PW)	150					200					250					300					350					400					450					500					550				
	Height (PH)	70	120	170	220	270	70	120	170	220	270	70	120	170	220	270	70	120	170	220	270	70	120	170	220	270	70	120	170	220	270	70	120	170	220	270	70	120	170	220	270	70	120	170	220	270
Estimated *1 Sensitivity	Ferrous	0.5	0.5	0.8	0.8	1.0	0.5	0.8	0.8	1.0	1.0	0.5	0.8	0.8	1.0	1.2	0.5	0.8	1.0	1.0	1.2	0.8	0.8	1.0	1.0	1.5	0.8	0.8	1.0	1.2	1.5	0.8	0.8	1.0	1.2	1.5	0.8	0.8	1.0	1.5	1.5	0.8	0.8	1.2	1.5	1.5
	SUS304	0.8	1.0	1.0	1.0	1.2	0.8	1.0	1.0	1.5	1.5	0.8	1.0	1.2	1.5	1.5	0.8	1.0	1.2	1.5	1.5	1.0	1.2	1.5	1.5	2.0	1.0	1.2	1.5	1.5	2.0	1.0	1.2	1.5	1.5	2.0	1.0	1.2	1.5	2.0	2.0	1.0	1.2	1.5	2.0	2.0
Conveyor Length (CL)	1,000 ~ 2,000mm																				1,000 ~ 2,000mm																									
Conveyor Height (CH)	500~1,500mm (+50 & -20mm)																				500~1,500mm (+50 & -20mm)																									
Conveyor Speed	Fixed (22M/Min.) & Variable (Max. 44M/Min.)																				Fixed (22M/Min.) & Variable (Max. 44M/Min.)																									
Standard Rejecting System	Belt Stops, Audible Alarm & Lamp (Auto Rejector available as option)																				Belt Stops, Audible Alarm & Lamp (Auto Rejector available as option)																									
Preset Numbers	100 Items																				100 Items																									
Outputs	Relay (5A) / 1A1B 2EA, DC24V SOL, AC220V 0.2A																				Relay (5A) / 1A1B 2EA, DC24V SOL, AC220V 0.2A																									
Power Supply	Single Phase(110 to 220V) & Three Phase(220 to 380V and etc.), Free Cycle(50/60Hz) & Fuse(3A)																				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 the normal condition)																				0°C to 50°C (advised to use the machine under the normal condition)																									

*1 Results of when test balls, Fe and SUS 304 were set at the center of belt surface under the highest frequency. Detection sensitivity depends on product shape, installation and environmental conditions