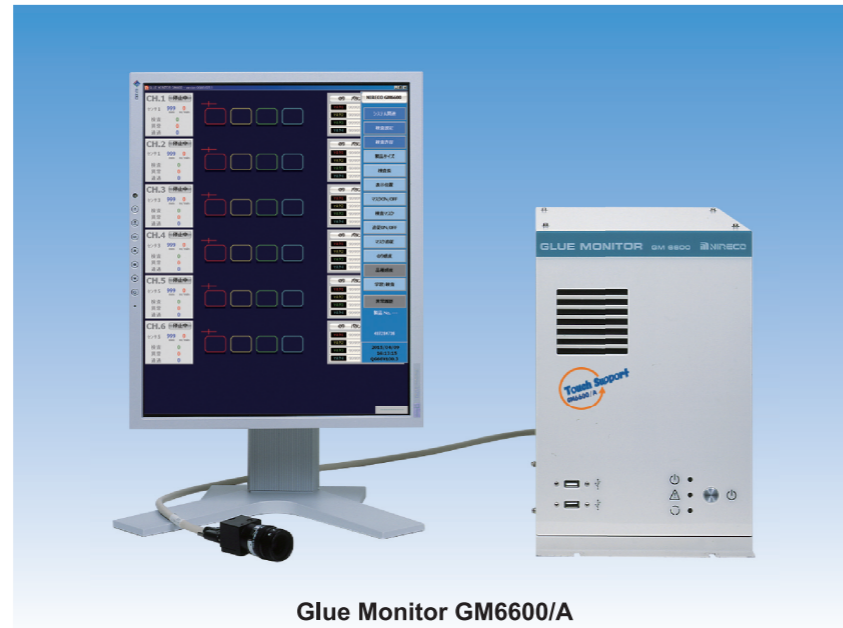


Glue Monitor GM6600/A

Inspects the gluing length, position and other factors, based on the image of the gluing recorded by the camera.

The Glue Monitor GM6600/A inspects the gluing length, position and other factors, based on the image of the gluing recorded by the camera. If these measurements deviate from the reference values, an image of the gluing at that moment is displayed on the screen as an error. The output signal can be used to activate a buzzer or warning light to notify the operator or to stop the machine.



Glue Monitor GM6600/A

Specifications

Power supply	AC100 to 155 V, 50/60 Hz, 5A
Inputs	CCD camera (1 camera per channel, up to 6 cameras and 6 channels) Photoelectric sensor (At least 1, up to a maximum of 6) Encoder: 1200 pulses/rev. (resolution of 0.25 mm per pulse)
Output	Error contact: AC125 V/0.5 A (For the No. of channels)
Inspection length	10 to 999 mm
Maximum line speed	300 m/min or less (The maximum speed will be limited by factors including the system specifications and usage.)
Materials inspected	Paperboard, poly-laminated paper, cardboard, various types of printed paper (not printed on the side that is glued)
Mass	10 kg (excluding the monitor)
External dimensions	W220 x H315 x D390

Note: The combination of the number of cameras, camera field of view, number of channels, the combination of cameras and channels, the conveying interval and other factors may limit the maximum speed of the line.

The details contained in this catalog are subject to change without notice. Please contact us at the following address when considering a purchase.

NIRECO
NIRECO CORPORATION

● Hachioji Office
2951-4, Ishikawa-machi, Hachioji, Tokyo, 192-8522, Japan
Telephone : +81-42-660-7409 Facsimile : +81-42-645-7737

Web Site <http://www.nireco.com> E-Mail world@nireco.co.jp

System using electromagnetic waves

Glue Monitor GM800

Glue inspection system

*Waveform display shows whether glue is present or not
Saves an error history*



The Glue Monitor GM800 can be combined with either a glue sensor for glue nozzles or a glue sensor for glue wheels, to identify the length and position of the gluing. When the gluing length is longer or shorter than the reference dimension, or if the amount of glue applied is less than the reference value, the system displays an error and outputs a relay contact. This relay contact can be used to activate a buzzer or warning light to notify the operator or to stop the machine.

Types

1. For glue wheels (cartons (paperboard, cardboard))
2. For envelopes

Features

- Detects without physical contact.
- Unaffected by the viscosity or color of the glue.
- Reference settings are performed automatically.
- The glue sensor for glue wheels has a compact design. (The glue is detected from the side opposite to where the glue has been applied.)

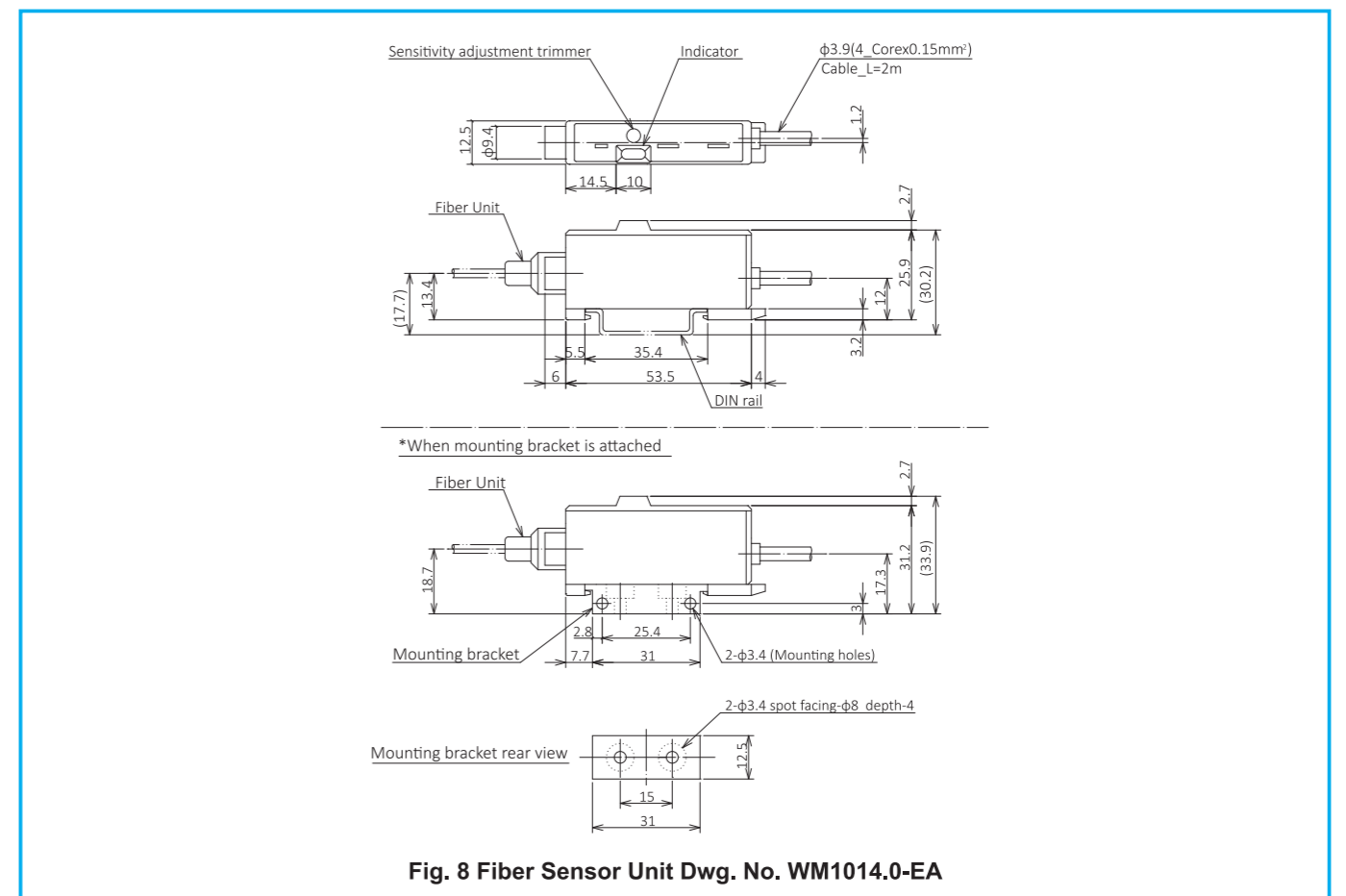
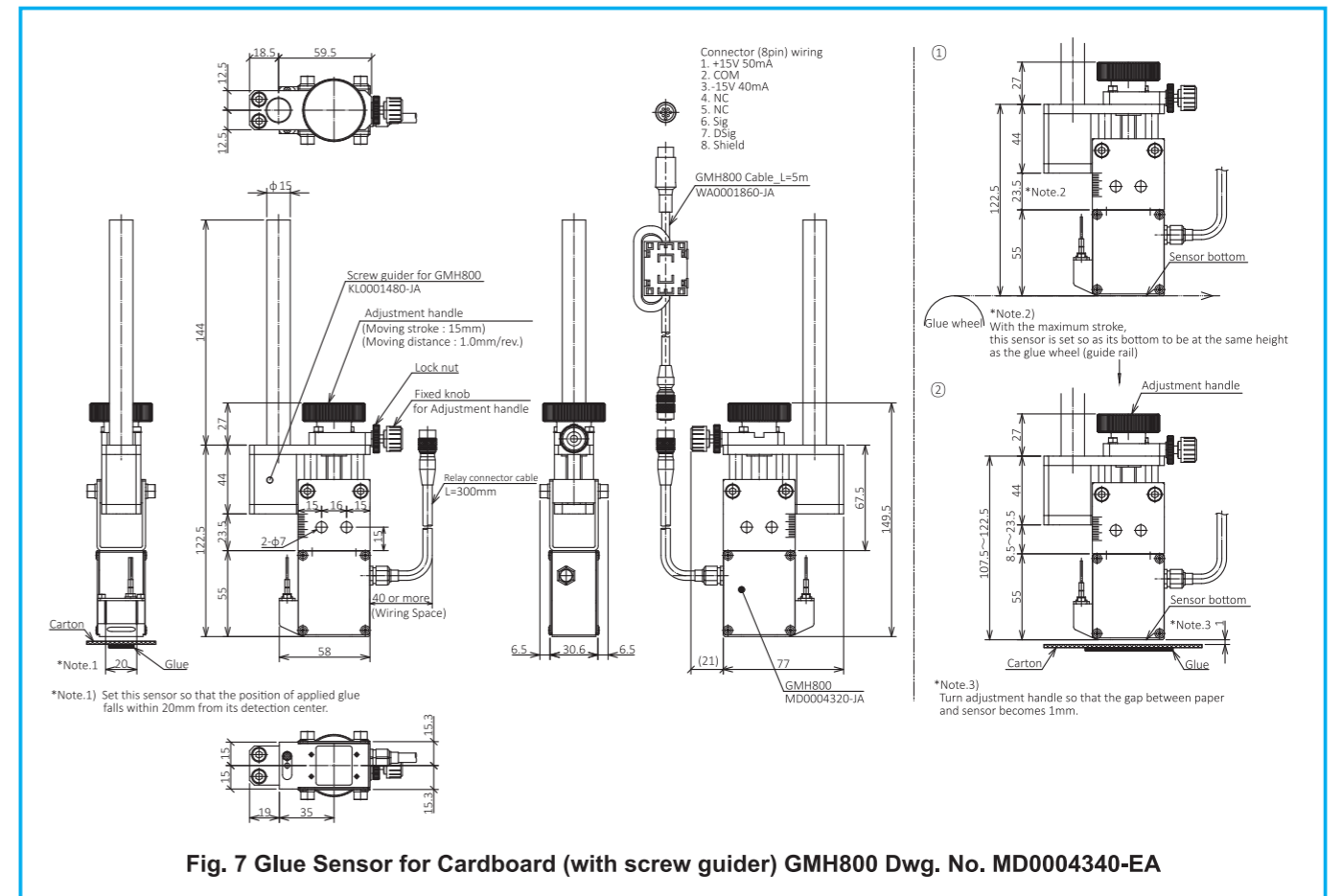
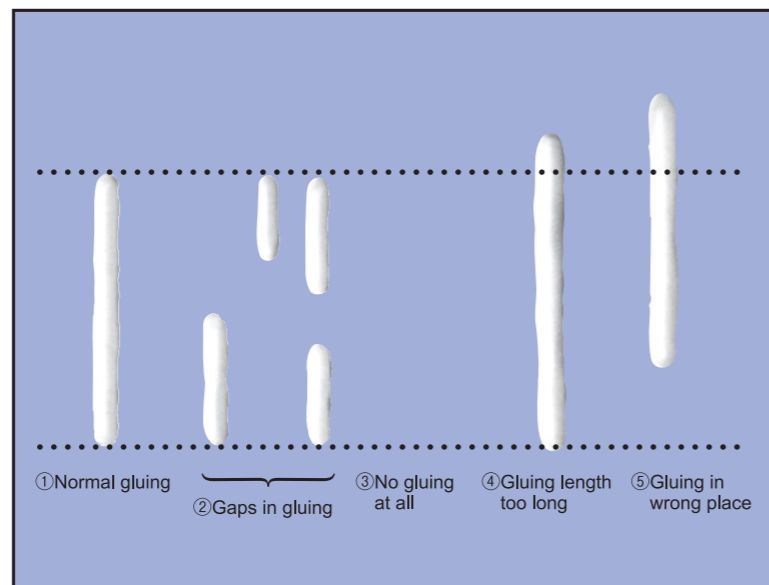
Specifications

Line speed	1 to 300 m/min
Encoder input	Line driver output: 1200 P/R Complimentary output: 600 P/R * The number of pulses and the circumferential length can be changed via the touch-screen panel.
Ambient operating temperature	0 to 50°C
Output contact capacity	Memorization failure output (relay). Normal open contact, AC250 V 1A, DC30 V 1A Inspection abnormality output (relay). Normal open contact, AC250 V 1A, DC30 V 1A Delay-exceeded output (PhotoMOS) AC200 V 0.1 A, DC24 V 0.1 A Photo-coupler output DC24 V 40 mA (2 outputs per unit)
Power supply voltage	AC100 to 220 V 50/60 Hz (no switching required)
Power consumption	200VA
Mass	5.8kg

Main screen



Inspection items



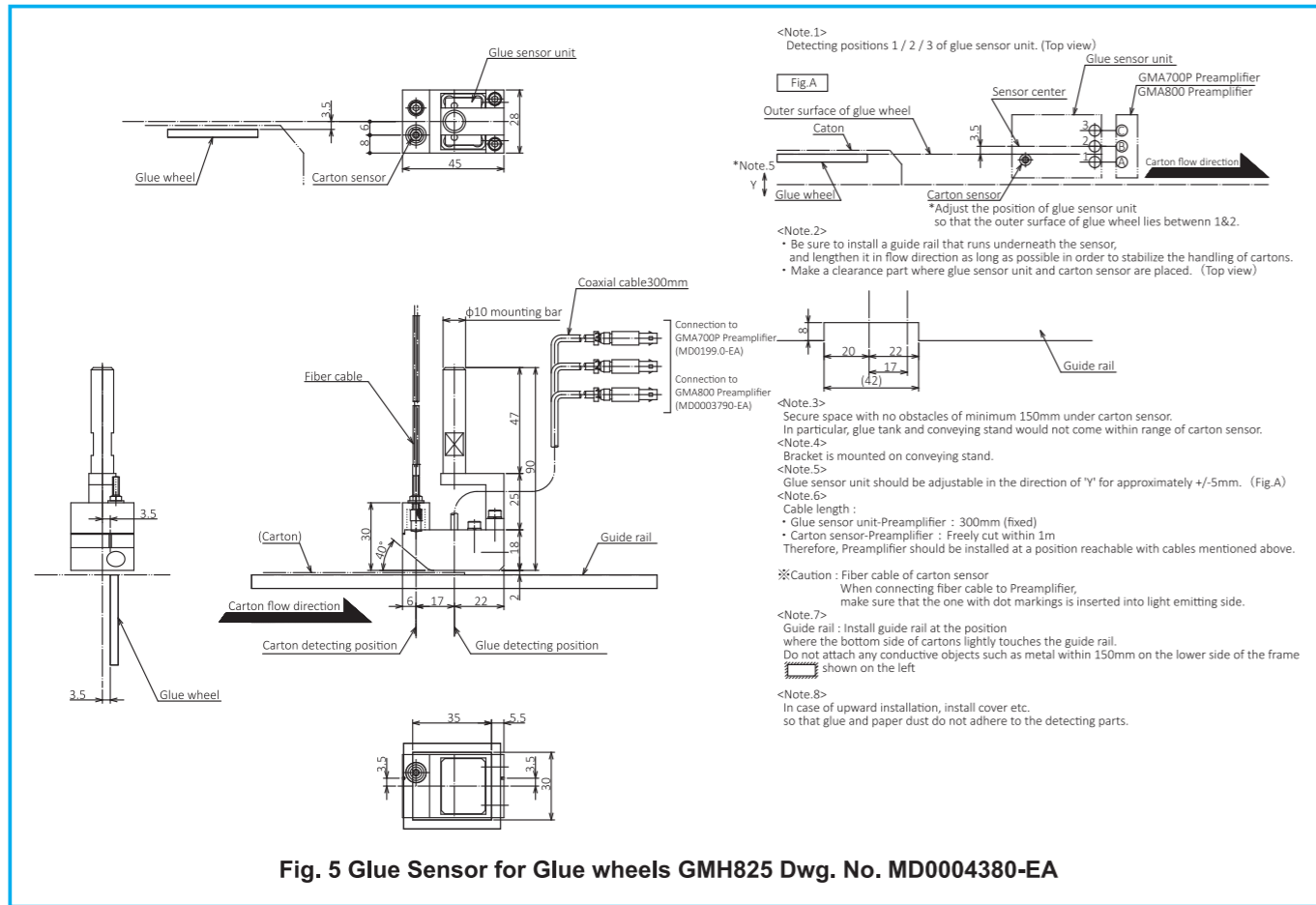


Fig. 5 Glue Sensor for Glue wheels GMH825 Dwg. No. MD0004380-EA

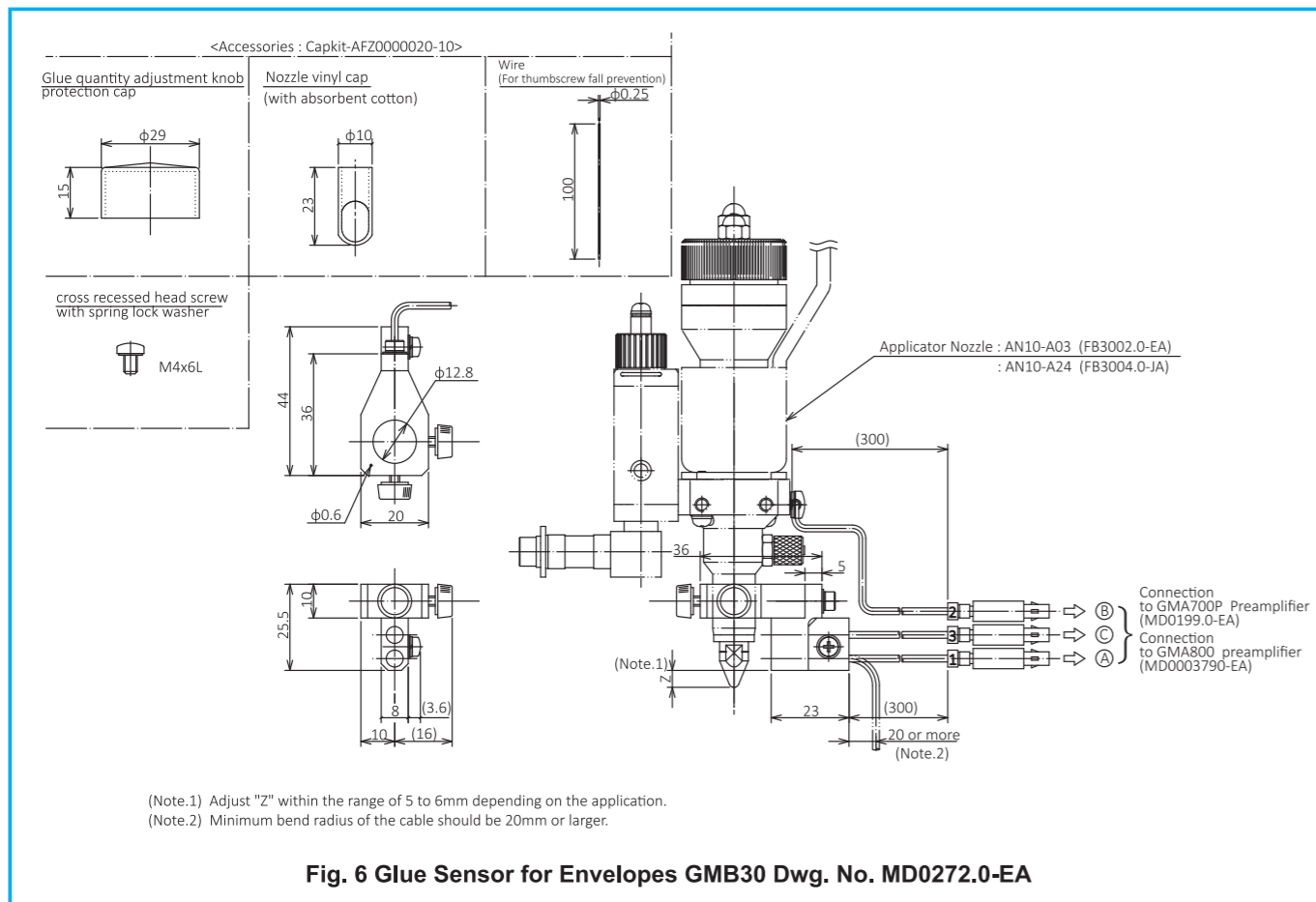


Fig. 6 Glue Sensor for Envelopes GMB30 Dwg. No. MD0272.0-EA

Glue sensors

For glue wheels

Specifications (paperboard) GMH825

Inspection methods	Learned memory method / constant inspection, interruption length setting method
Carton detection	Photoelectric sensor (reflection-based)
Detected gluing length	30 mm or longer
Supplied items	Pre-amplifier GMA800 Amplifier unit for photoelectric switch Communications cable



Glue sensor for glue wheels (paperboard)

Specifications (cardboard) GMH800

Inspection methods	Learned memory method / constant inspection, interruption length setting method
Carton detection	Photoelectric sensor (reflection-based)
Detected gluing length	30 mm or longer
Supplied items	Amplifier unit for photoelectric switch Communications cable



Glue sensor for glue wheels (cardboard)

For envelopes

Specifications GMB30

Inspection methods	Learned memory method / constant inspection, interruption length setting method
Detected gluing length	30 mm or longer
Supplied items	Pre-amplifier GMA800 Communications cable



Glue sensor for envelopes

Encoder, pulley

These time the skips and measure progress. Proper installation of the encoder is necessary, depending on the system and its application.

NOC-SP1200-2MP



P-300MM/R



Pre-amplifier GMA800

The signal from the glue sensor passes through the pre-amplifier and is sent to the controller.
* Not used with the GMH800 for glue wheels (cardboard).

