

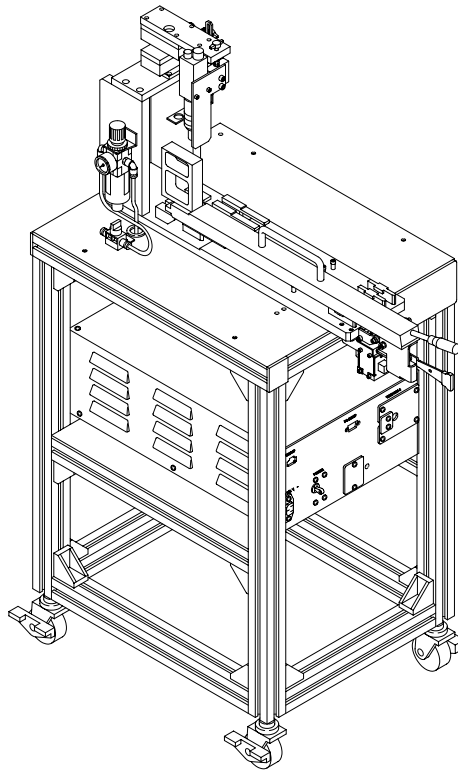
# Panasonic

## Operating Instructions

### Operation Manual

## Intelligent Feeder Check Unit

Model No. **NM-EJW2A**



Thank you for purchasing the intelligent feeder check unit.  
Before placing the machine in service, be sure to read the instruction manual for proper usage.  
After that, store it carefully and read it if necessary.

EJW2A-E-OMAA-0001



“Use of this machine:

This machine is designed and constructed to be used for the maintenance of intelligent tape feeders.  
This machine shall be used for this purpose only.

It shall not be used for any other purpose.”

“Operation of this machine:

This machine shall be operated by professional, specially trained operators.

Regarding the training course, please contact Panasonic Factory Solutions Co., Ltd. or PFSE.”

Machine was manufactured by: Panasonic Factory Solutions Co., Ltd.

441-13, Nagahasu, Tateishi-machi, Tosu-city, Saga, Japan

Phone number: 81-942-84-2644

Fax number: 81-942-84-2636

For Service and Supply of Spares in Europe  
you may contact Panasonic Europe:

Continental Europe

PFSE

Panasonic Factory Solutions Europe

Winsbergring 15

22525 Hamburg Germany

Phone number: 0049-(0)40-85386-321

Fax number: 0049-(0)40-85386-332

United Kingdom

PFSE

Panasonic Factory Solutions Europe

Panasonic House, Willoughby Road

Bracknell, Berks. RG12 8 FP

Phone number: 0044-(0)1344-853267

Fax number: 0044-(0)1344-425970

Year: 2006



## Introduction

This manual describes how to handle the intelligent feeder check unit.

### NOTICE

For information on how to operate the intelligent feeders and how to set them onto the placement machine, refer to the Operation Manual for the tape feeders.

### NOTICE

This manual describes how to handle the intelligent feeder check unit. The following pages refer to “intelligent feeder check unit” as “check unit” and “intelligent tape feeder” as “ITF,” respectively.

**Intelligent Feeder Check Unit**

OPERATION MANUAL

---

= MEMO =

---

# TABLE OF CONTENTS

- Safety precautions ..... 9
- Labels pasted on product for safety ..... 13
- About storage management and handling ..... 15

**1. INSTALLATION ..... 1-1**

- 1.1 Selecting Installation Location ..... 1-2
- 1.2 Transport ..... 1-3

**2. GENERAL DESCRIPTION ..... 2-1**

- 2.1 Specifications ..... 2-2
  - 2.1.1 Basic Specifications ..... 2-2
  - 2.1.2 Hardware/OS Requirements ..... 2-2
- 2.2 Configurations ..... 2-3
- 2.3 Master Jig ..... 2-4
  - 2.3.1 Illustration of Hole Locations ..... 2-4
- 2.4 Target ITF ..... 2-5

**3. PREPARATIONS ..... 3-1**

- 3.1 Checking Air Pressure ..... 3-2
- 3.2 Adjusting Camera Position ..... 3-3
  - 3.2.1 Adjustment Procedure ..... 3-3
- 3.3 ITF Setting Procedure ..... 3-5
  - 3.3.1 For ITF 8 mm Double Type ..... 3-5
  - 3.3.2 For ITF 12/16 mm and 24/32 mm Types ..... 3-6
- 3.4 Method for Connection ..... 3-7
- 3.5 Supplying Power ..... 3-8

**4. SYSTEM SOFTWARE INSTALLATION ..... 4-1**

- 4.1 Overview ..... 4-2
- 4.2 Installation Procedure ..... 4-3
  - 4.2.1 Main Menu ..... 4-4
  - 4.2.2 Installing FireWire Converter Driver ..... 4-5
  - 4.2.3 Installing Check Unit System Software ..... 4-11
- 4.3 Uninstallation Procedure ..... 4-15

---

## **5. ITF CHECKER ..... 5-1**

5.1 ITF Checker .....	5-2
5.1.1 Main Functions.....	5-2
5.1.2 Main Screen and Menus.....	5-2
5.1.3 Message Screens.....	5-4
5.1.4 Starting and Exiting ITF Checker .....	5-6
5.1.5 ITF System Standard Update .....	5-7
5.1.6 Checking/Adjusting ITF Origin .....	5-9
5.1.7 Adding/Removing/Modifying Component Data .....	5-20
5.1.8 Utility Functions.....	5-22
5.1.9 Function to Check Free Space of System Software Installation Drive.....	5-24

## **6. ITF CHECK HISTORY MANAGE ..... 6-1**

6.1 ITF Check History Manage .....	6-2
6.1.1 Main Functions.....	6-2
6.1.2 Main Screen and Menus.....	6-2
6.1.3 Reloading History Database .....	6-4
6.1.4 Outputting History Data List to CSV .....	6-4
6.1.5 Compressing History Data.....	6-5
6.1.6 Decompressing History Data .....	6-5
6.1.7 Limiting Search for History Data .....	6-6
6.1.8 Deleting History Data.....	6-6
6.1.9 Displaying History Data in Detail.....	6-7

## **7. MAINTENANCE ..... 7-1**

7.1 Maintenance Items .....	7-2
7.1.1 Daily Check Items .....	7-2
7.1.2 Periodic Check Items.....	7-3

## **8. TROUBLESHOOTING ..... 8-1**

8.1 Troubleshooting .....	8-2
8.2 Error Message .....	8-7
8.2.1 Error Messages during Origin Check/Adjustment and on Update Failures.....	8-7

## **INDEX**

## **APPENDIX 1. ORIGIN CHECK FLOW**

## **APPENDIX 2. REINSTALLATION**

**Intelligent Feeder Check Unit**

OPERATION MANUAL

---

= MEMO =



## Safety precautions

Be sure to observe

The precautions that shall be observed in order to prevent an injury to the user or the other persons, and damage to property, are described as follows.

- The degrees of danger or injury, resulting from incorrect usage owing to failure to read an indication, are classified and described as follows.



### WARNING

This indication refers to a situation which is considered that there is a possibility of death or serious injury.



### CAUTION

This indication refers to a situation which is considered that there is a possibility of only injury or physical damage.

- The matters that shall be observed are classified by the symbols shown below, and described.  
(The following are the examples of the symbols.)



This kind of symbol indicates the matters to which attention must be paid.



This kind of symbol indicates an action that must not be carried out.



This kind of symbol indicates an action that must be carried out.

 **WARNING**

**Take care not to receive an electric shock.**



You may receive an electric shock if you touch electrically charged parts inside the cover.

E-PC010201E

**Shut off power and air supply at the source before performing maintenance**



Failure to observe this can lead to electric shock and other accidents.

E-PW0104M1B

**Only the person in charge of maintenance is allowed to repair or adjust the machine.**



The machine may be incorrectly repaired or adjusted, resulting in malfunction.

- The machine must be repaired or adjusted by a trained professional maintenance engineer.
- Consult the manufacturer for training.

M08ESA

## **WARNING**

### **Do not damage the power and other cords or plugs.**



Never damage, remake, bring close to heating appliances, bend forcibly, twist, pull, put heavy objects on, and bundle up.

Damaged cords and plugs may cause electric shock, short circuit, or fire.

- Hold the plug when plugging or unplugging.
- Cord and plug repairs should be done only by the person qualified for the electrical work, or consult us.

M85ESC

### **Periodically remove dust from the power plug.**



Dust on the plug may result in fire caused by insufficient insulation because of moisture.

- Pull out the power plug and wipe off dirt with a dry cloth.
- If the machine will not be used for a long period, turn OFF the breaker connected with the machine.

M86ESB

### **Firmly insert the power and other plugs.**



Imperfect plugging in may cause fire because of electric shock and heat generated.

- Do not use damaged plugs or loose outlets.

M87ESB

### **Do not insert or remove the power and other plugs by a wet hand.**



You may receive an electric shock.

M88ESD

### **Ground the machine securely.**



There is a risk of an electric shock or leak.

- Consult a professional electrical contractor.

M06ESA

 **CAUTION**

**Do not climb up on the machine.**



You may fall from or get caught in the machine, and get injured.

M18ESB

**Do not put any objects on the cover.**



The cover may be damaged by the weight of the objects and injure you.

M16ESC

**Do not give a shock to the electrical equipment.**



There is a risk of an electric shock, electrical leakage, or malfunction.

M27ESB

**Do not block off the outlet or inlet of the fan.**



The internal temperature will rise and may cause a machine malfunction resulting in injury.

- Do not block off the outlet or inlet of the fan.
- Periodically clean the filters of the outlet and inlet.

M20ESC

**Wear a hard hat and protective goggles during maintenance work.**



Your head or eyes may be injured while performing the work.

M44ESB

**Lock the casters except when moving the cart**



Unless locked, the cart may move abruptly, resulting in injury.

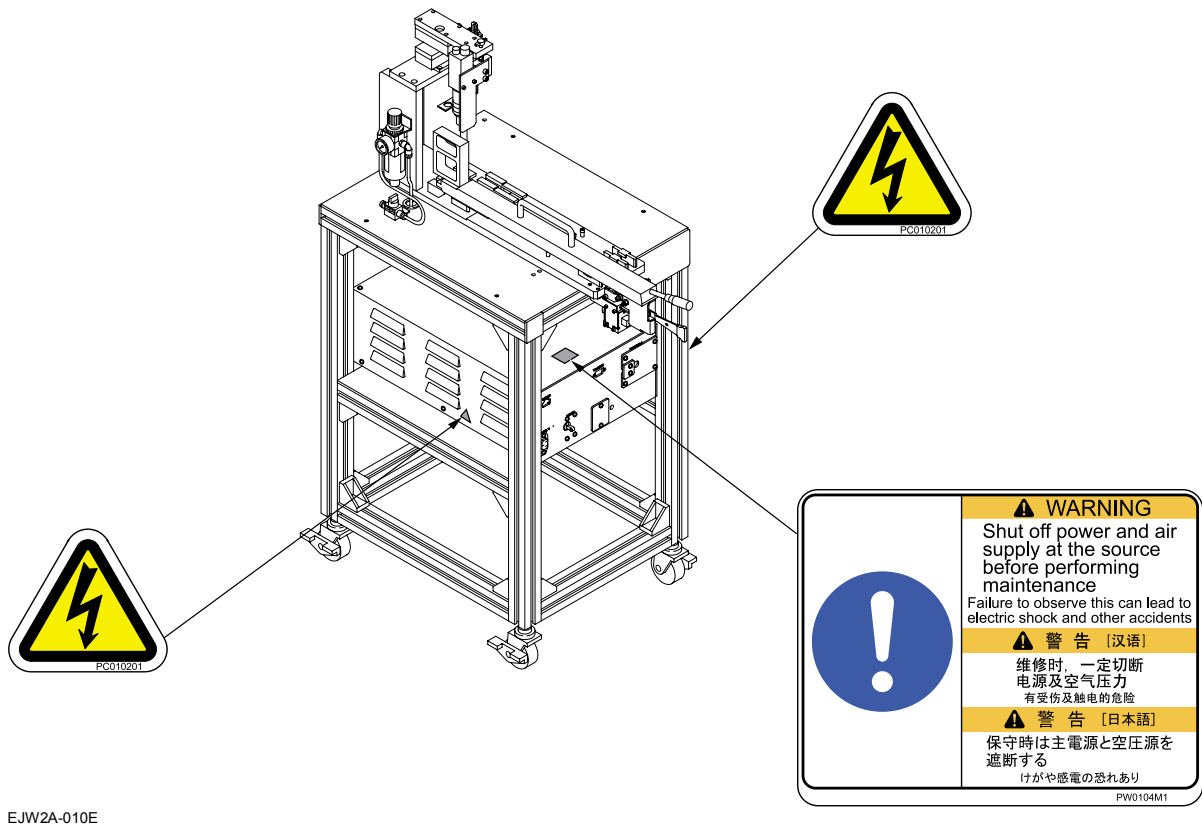
E-PC0127M1

## Labels pasted on product for safety

### ■ Warning labels

The warning labels are pasted on this machine as follows. Follow the instructions on each label. If it has come off, place an order with us for it, referring to the Parts List; then, put a new one on a proper location.

### ● Warning label locations

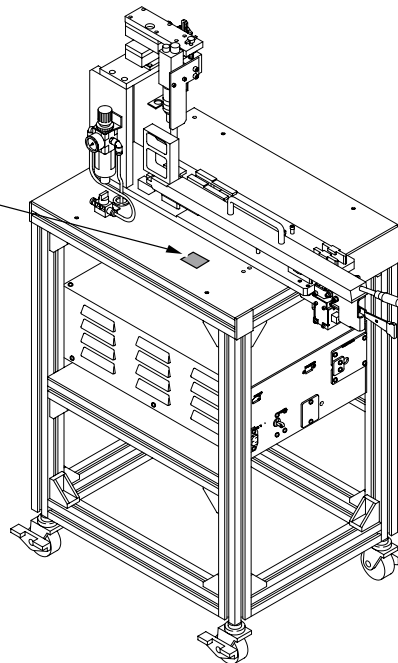
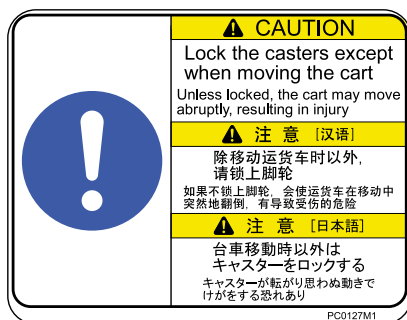


## Labels pasted on product for safety

### ■ Caution labels

The warning labels are pasted on this machine as follows. Follow the instructions on each label.  
If it has come off, place an order with us for it, referring to the Parts List; then, put a new one on a proper location.

### ● Warning label locations



EJW2A-011E

## About storage management and handling

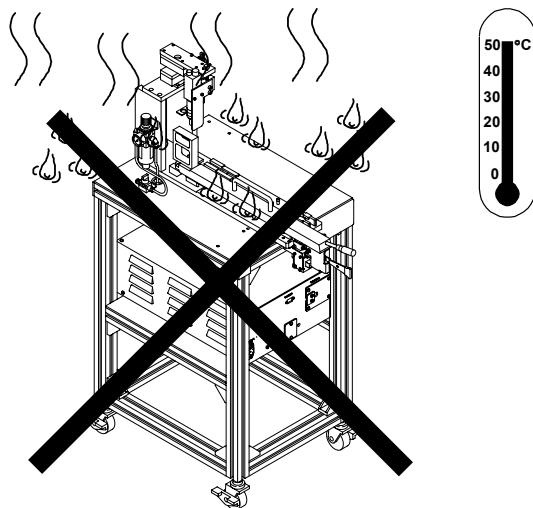
This describes the precautions in the storage of the check unit.

### NOTICE

In handling the check unit, be sure to observe the following matters.

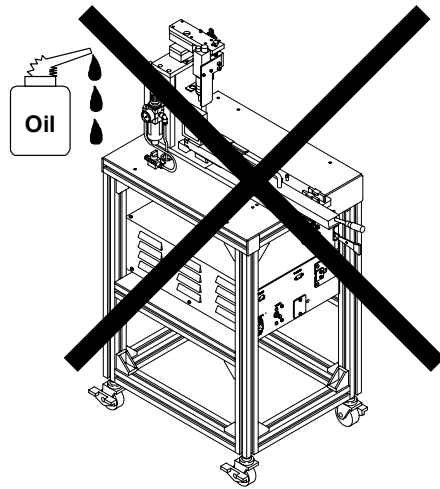
## 1 Storage Precautions

- Avoid storing it in a high-temperature (40 degrees or over) and high-humidity place or a low-temperature (0 degrees or below) place. The formation of rust can cause such a trouble as faulty sliding.



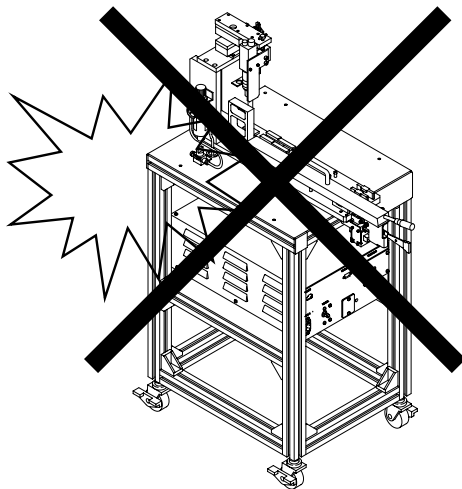
EJW2A-AA

- **Avoid storing it in the place where oil or an organic solvent is splashed.**  
Otherwise, rubber and resin parts may potentially be deteriorated and broken.



EJW2A-AA

- **Avoid bumping or knocking it down.**  
Even if there is no damage on the surface, actions can be affected.

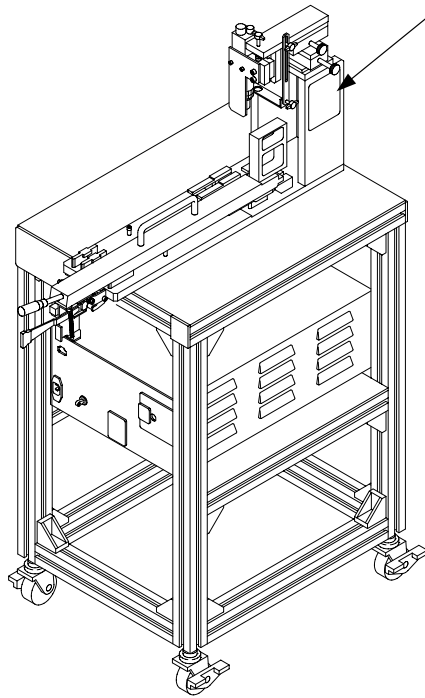


EJW2A-AA



## Serial plate

The serial plate indicating the product name (Model ID) and production number (Serial No.) of the machine is pasted on the following location.



EJW2A-AB

### Panasonic

Model ID NM-EJW2A  
机型名 NM-EJW2A

Model No. NM-EJW2A  
型号 NM-EJW2A

Factory Automation Equipment 自动生产设备  
Electric Source 电源

\*\*\*\*\* \*\* \*\*\*\*\*

\*\* kVA (full load 满负荷)

Pneumatic Source 压缩空气源

\*\* MPa \*\* L/min (A.N.R.)

Serial No. \*\*\*\*\*  
系列号 \*\*\*\*\*

Manufactured Year 制造年 2006  
Panasonic Factory Solutions Co., Ltd.  
Osaka Japan  
松下生产科技株式会社 日本 大阪

Made in Japan  
日本制造



Actually, \* is replaced with a numeric value.

**Intelligent Feeder Check Unit**

OPERATION MANUAL

---

= MEMO =