NEL-SYSTEM

Wafer protection tape remover HR8500III TW-UV

MAINTENANCE MANUAL

NITTO DENKO NITTO SEIKI

Overview



WARNING



Read this instruction manual carefully and have a complete understanding of the contents before use.

Observe all warnings and cautions in this manual.

Failures to observe warnings and cautions could cause of serious injuries to human body and damage/performance decrement of the equipment.

Keep this instruction manual so that you can use it at anytime.

This manual consists of below:

Vol. 1 Installation manual

Vol. 2 Operation manual

Vol. 3 Maintenance manual

This manual is <u>Vol. 3 Maintenance manual</u> to change the settings, adjustments, PM, and trouble shooting for the equipment correctly and safely by the maintenance engineers.

The maintenance engineers have the operators keep the following rules.

- The operators are allowed to do the works only shown in "Vol. 2 Operation manual".
- Only authorized persons are allowed to do the works shown in "Vol. 1 Installation manual" and "Vol. 3 Maintenance manual".
- The operators are not allowed to do the works having use of any tools, such as screwdrivers and wrenches.
- The operators are not allowed to have keys for lockout and override the safety interlock.

Copyright

Nitto Denko Corporation and Nitto Seiki Co., Ltd. have the copyright of the instruction manual. Use of any part of this document is allowed only after preliminary permission of Nitto Seiki Co., Ltd.

No part of this document may be reproduced or transmitted in any form or by any means for any purpose without permission of Nitto Seiki Co., Ltd.

- CONTENTS -

1. Safety	
1.1 Hazard alerts in the instruction manual	
1.2 Warning labels	
1.3 Warning labels applied on the machine	1-3-1
1.4 Safety function	
1.4.1 Safety interlocks	1-4-1
1.4.2 Protective covers	1-4-2
1.5 EMO switches	1-5-1
1.6 Precautions	
1.7 Lockout system	
1.8 Power off	1-8-1
2. Outline of the equipment	
2.1 Overview and objective of the machine	2-1-1
2.2 Function and name of the main parts	
2.3 Operation flow	2-3-1
3. Switches and indicators	3-1-1
4. Operation panel	
4.1 Screen structure	4-1-1
4.2 Setting screens	
ALIGNER	
3-TIMES APPLY	· — -
APPLY DOWN	
WIND TIME (T/1, 2)	
REWIND TIME (T/1, 2)	
WIND TIME (T/3)	
REWIND TIME (T/3)	
PEELING BAR UP	· — · · ·
REPEEL SELECT	
PAD UP TIMER	1 — 1 •
IRRA, N2 TIMER	
TABLE BLOW	
LAMP TIME	
TOTAL TIMER	1 — 1 •
4.3 Error/Message	4-3-1
5. Manual operations	
5.1 Manual operation	
5.2 Manual operation for aligner	5-2-1

- CONTENTS (Continued) -

6. PM ((Preventive Maintenance)
6.1	Cleaning6-1-1
6.2	Lubrication6-2-1
	sumable parts replacement
7.1	Consumable parts list7-1-1
7.2	Applying roller replacement7-2-1
7.3	Peeling roller replacement
	<peeling (lower)="" replacement="" roller="">7-3-1</peeling>
7.4	Table heater replacement7-4-1
7.5	Static eliminator needle replacement7-5-1
	Robot arm replacement7-6-1
7.7	UV lamp replacement7-7-1
	ot teaching
	Outline of the robot8-1-1
8.2	Preparation for robot teaching8-2-1
	Teach pendant8-3-1
	Parameter of the Robot8-4-1
	"CASSETTE" and "STAGE"8-5-1
	"STEP CASSETTE" and "STEP STAGE"8-6-1
_	"GET" and "PUT"8-7-1
	Create new data and changes of the robot teaching8-8-1
	Robot teaching for UV part8-9-1
8.1	0 Robot teaching for press down plate8-10-
8.1	1 Robot teaching exit operation8-11-7
9. Adju	stment
9.1	Applying roller parallelism9-1-1
	Peeling roller parallelism9-2-1
9.3	Tape remaining sensor adjustment9-3-1
9.4	Waste tape detect sensor adjustment9-4-1
9.5	Peeling speed adjustment9-5-1
10. Oth	
	1 Program conversion10-1-
10.	2Input / Output confirmation10-2-7
11. Sto	rage and disposal······11-1-²
12. Par	ts order and inquiry ······12-1-