

DFL7161 Tier 2 (BSS6 Specification) (Rev. 2.00)

Trainee		Period	
Company		Trainer	

<DFL7161 Tier 2 (Rev. 3.00)>

Item	Date	Trainee	Trainer
..... Day 1			
1. Safety Information			
1.1. Interpret Safety Precautions for Maintenance Personnel	_____	_____	_____
1.2. Interpret Interlock Mechanism for Maintenance	_____	_____	_____
2. Device Data Related Screen			
2.1. Perform Device Data Operation	_____	_____	_____
2.2. Edit Device Data	_____	_____	_____
2.3. Measure Index Pitch	_____	_____	_____
2.4. Interpret Alignment Data	_____	_____	_____
2.5. Interpret Cleaning Data	_____	_____	_____
2.6. Set Up Process Control Table	_____	_____	_____
2.7. Set Up Kerf Check Data	_____	_____	_____
2.8. Execute Remedies for Kerf Check Errors	_____	_____	_____
2.9. Set up Coating Data	_____	_____	_____
3. Alignment Teach			
3.1. Execute Alignment Teach	_____	_____	_____
..... Day 2			
4. Operator Maintenance			
4.1. Set Up Parameters on FUNCTION DATA Screen	_____	_____	_____
4.2. Set Up Parameters on OPERATION DATA MAINTENANCE Screen	_____	_____	_____
4.3. Set Up Parameters on COMMON CLEANING DATA Screen	_____	_____	_____
4.4. Save and Load Device Data	_____	_____	_____
4.5. Save and Restore the Machine Data	_____	_____	_____
5. Machine Maintenance			
5.1. Change Frame Size	_____	_____	_____
5.2. Perform Focus Maintenance	_____	_____	_____
5.3. Perform Rotation Alignment by Cutting	_____	_____	_____
6. Log Viewer			
6.1. Use Log Viewer	_____	_____	_____

7. Laser Maintenance

- 7.1. Execute Attenuator Adjustment _____
- 7.2. Perform the Laser Maintenance _____

..... Day 3

8. Engineering Maintenance

- 8.1. Perform Axis Operation _____
- 8.2. Operate Digital I/O Check Function _____
- 8.3. Set Up Passwords and User Define Data _____

9. Non-periodic Maintenance

- 9.1. Adjust the Sensor Threshold _____
- 9.2. Adjust Utilities for Atomizing Nozzle for Spinner Section _____

10. Periodic Maintenance

- 10.1. Perform Process Point Nozzle Maintenance _____
- 10.2. Replace the Coolant of the Chiller _____
- 10.3. Clean the Vacuum Ejector _____
- 10.4. Grease the X-axis _____
- 10.5. Grease the θ -axis Sensor Assembly Section [Optional Accessory] _____
- 10.6. Grease the Y-axis _____
- 10.7. Grease the Push-pull Axis _____
- 10.8. Grease the Frame Centering Axis _____

..... Day 4

11. Consumable Parts Replacement

- 11.1. Replace the Air Clean Unit Consumable Part _____
- 11.2. Replace the Halogen Lamp _____
- 11.3. Replace the Pad of the Upper Arm Section _____
- 11.4. Replace the Pad of the Lower Arm Section _____
- 11.5. Replace the Spinner Section Roll Cover _____
- 11.6. Replace the Microscope LED Light _____
- 11.7. Replace the Vacuum Ejector _____
- 11.8. Replace the Air Blower Filter _____
- 11.9. Replace the Chuck Table Center Ring _____
- 11.10. Replace the Spinner Table O-ring _____
- 11.11. Replace the Coater Table O-ring _____

12. Coating Section Maintenance

- 12.1. Replace the Protective Film Solution Tank _____
- 12.2. Execute the Liquid Charging _____
- 12.3. Execute the Tube Cleaning _____
- 12.4. Clean the Coater Case _____
- 12.5. Clean the Mist Separator of the Coating Section _____

<Operation Guide "Preventive Maintenance (PM) Procedures for BSS6 Specification">

Item	Date	Trainee	Trainer
..... Day 5			
A. Important Safety Information			
Important Safety Information	_____	_____	_____
B. Maintenance to be Performed at 7-day Intervals			
1. Maintenance for Spinner Section and Coating Section	_____	_____	_____
2. Water Mark Stain of Coating Process Check	_____	_____	_____
3. Process Point Nozzle Maintenance (B03 type)	_____	_____	_____
4. Analysis of Laser Power and Optical Path Efficiency	_____	_____	_____
5. Executing Focus Maintenance	_____	_____	_____
6. Confirm Wide Focal Position	_____	_____	_____
7. Confirm Narrow Focal Position	_____	_____	_____
8. Checking the Hairline	_____	_____	_____
9. Verification of Pulse Shape and Heat Lens Effect	_____	_____	_____
10. Grooving Capacity Verification	_____	_____	_____
C. Maintenance to be Performed at 30-day Intervals			
1. Dual Beam Index and Offset Check	_____	_____	_____
2. Dual Beam Power Balance	_____	_____	_____
3. MASK Position Check for Wide	_____	_____	_____
4. Pulse Mark Confirmation (Wide Angle)	_____	_____	_____
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Training Sign-off Sheet

Course composition, intended trainees and course objective

Course Name	Intended Trainees	Course Objective
Tier 1	- who operates the machine to process products	To enable trainees to understand the terms necessary for operating the machine and to process products by calling up the data set in the machine
Tier 2	- who has already completed the "Tier 1" course (or has equivalent operation skills) - who conducts data and function settings of the machine - who conducts periodic maintenance of the machine	- To enable trainees to create the data and set the data and functions for operating the machine - To enable trainees to safely and precisely perform the periodic maintenance and consumable parts replacement described in the Maintenance Manual of the machine
Tier 3	- who has already completed the "Tier 2" course (or has equivalent operation skills) - who conducts maintenance works which are not described in the Maintenance Manual of the machine	To enable trainees to conduct maintenance works which are not described in the machine Maintenance Manual (only the items that can be executed without any special tools or access to the internal Maker Data)