

3000 Series Operation (Measurement Alignment Package) (Rev. 1.00)

Trainee		Period	
Company		Trainer	

<3000 Series Operation (Rev. 1.00)>

Item	Date	Trainee	Trainer
..... Day 1			
1. Safety Information			
1.1. Interpret Safety Precautions for Maintenance Personnel	_____	_____	_____
1. Machine Components	_____	_____	_____
1.1. Interpret the Operation Panel Screen Constituents	_____	_____	_____
1.2. Interpret the Software Keyboard	_____	_____	_____
2. Start-up and Termination of the Machine			
2.1. Start up the Machine	_____	_____	_____
2.2. Execute the System Initialization	_____	_____	_____
2.3. Execute the Warming Up	_____	_____	_____
2.4. Execute the Setup	_____	_____	_____
2.5. Terminate the Machine	_____	_____	_____
3. Full Automation Operation			
3.1. Operate the Device Data Operation Screens	_____	_____	_____
3.2. Execute Full Automation	_____	_____	_____
4. Making Corrections during Full Automation Operation			
4.1. Interpret the Correctable Items during Full Automation	_____	_____	_____
4.2. Adjust the Light Intensity and Microscope Focus	_____	_____	_____
4.3. Correct the Hairline Alignment	_____	_____	_____
4.4. Correct the Cutting Position	_____	_____	_____
4.5. Change the Feed Speed	_____	_____	_____
4.6. Correct the Blade Height	_____	_____	_____
5. Manual Operation			
5.1. Execute the Manual Alignment	_____	_____	_____
5.2. Execute the Auto Alignment	_____	_____	_____
5.3. Execute the Auto Cut	_____	_____	_____
5.4. Execute the Semi-auto Cut	_____	_____	_____

..... Day 2

6. Device Data

- 6.1. Copy the Device Data _____
- 6.2. Move the Device Data _____
- 6.3. Rename the Device Data _____
- 6.4. Delete the Device Data _____
- 6.5. Create the Device Data _____
- 6.6. Interpret the Detail of Cutting Function _____
- 6.7. Set the Process Control Table _____
- 6.8. Interpret the Alignment Data _____
- 6.9. Interpret the Water Program Maintenance Function Setting _____
- 6.10. Interpret the Z-axis Auto-down (Blade Wear Compensation) _____
- 6.11. Set the Auto-setup Data _____
- 6.12. Interpret the Purpose and the Data Setting for Precut Function _____
- 6.13. Set the Data of Kerf Check Function _____
- 6.14. Edit the Device Data for Multiple Index Workpiece _____

7. Blade Maintenance

- 7.1. Interpret the Operation Flow of Blade Maintenance _____
- 7.2. Replace the Blade _____
- 7.3. Set the Data for a New Blade _____
- 7.4. Set the Data for a Used Blade _____
- 7.5. Adjust the Blade Breakage Detector _____
- 7.6. Interpret the Setup Function _____
- 7.7. Set the Setup Data _____
- 7.8. Execute the Contact Setup _____
- 7.9. Execute the Specified-Position Setup _____
- 7.10. Execute the Non-contact Setup _____
- 7.11. Execute the Sensor Calibration Setup _____
- 7.12. Execute the Dress Cutting _____
- 7.13. Correct the Hairline Alignment _____

8. Alignment Teach

- 8.1. Use the Measure Function _____
- 8.2. Execute the Alignment Teach _____
- 8.3. Interpret a Summary of the Alignment Target Selection _____
- 8.4. Execute the Process Control Table Running (Except for Cutting) _____

9. Appendix

- 9.1. (Appendix) Interpret the Errors during Cutting _____
- 9.2. (Appendix) Interpret the Interlock Errors of the Covers _____
- 9.3. (Appendix) Interpret the Errors during Setup _____
- 9.4. (Appendix) Interpret the Errors during Alignment _____

Training Sign-off Sheet

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| 9.5. (Appendix) Interpret the Errors during Kerf Check | _____ | _____ | _____ |
| 9.6. (Appendix) Interpret the Blade Breakage Detector Errors
[Optional Accessory] | _____ | _____ | _____ |
| 9.7. (Appendix) Interpret the Errors Related to Supply Utility | _____ | _____ | _____ |
| 9.8. (Appendix) Interpret the Other Errors | _____ | _____ | _____ |

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Item	Date	Trainee	Trainer
1. Measurement Alignment Package			
1.1. Verify the DEVICE DATA screen [Measurement Alignment Package]	_____	_____	_____
1.2. Set the Process Control Table [Measurement Alignment Package]	_____	_____	_____
1.3. Interpret the Measuring Alignment Data [Measurement Alignment Package]	_____	_____	_____
1.4. Interpret the Least Square Method θ Adjust Data [Measurement Alignment Package]	_____	_____	_____
1.5. Interpret the Multiple Mounting Data [Measurement Alignment Package]	_____	_____	_____
1.6. Interpret the Cutting Line Order Data [Measurement Alignment Package]	_____	_____	_____
1.7. Interpret the Measured Alignment Results [Measurement Alignment Package]	_____	_____	_____
1.8. Use the Measure Function [Measurement Alignment Package]	_____	_____	_____

Course composition, intended trainees and course objective

Course Name	Intended Trainees	Course Objective
Operation	<ul style="list-style-type: none"> - who has no experience of operating the machine - who conducts data and function settings of the machine 	<ul style="list-style-type: none"> - 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 - To enable trainees to create the data and set the data and functions for operating the machine
Maintenance 1	<ul style="list-style-type: none"> - who has already completed the "Operation" course (or has equivalent operation skills) - who conducts periodic maintenance of 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
Maintenance 2	<ul style="list-style-type: none"> - who has already completed the "Maintenance 1" course (or has equivalent maintenance 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)