

DAD3350 Maintenance 1 (Rev. 1.10)

Trainee	
Company	

Period	
Trainer	

Item	Date	Trainee	Trainer
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..... Day 1

1. Important Safety Information

- 1.1. Interpret the Precautions on Safe Use of this Machine _____
- 1.2. Interpret the Precautions on Safe Maintenance of this Machine _____
- 1.3. Interpret the Inherently Hazardous Areas and the Ways to Avoid the Area-specific Hazards _____
- 1.4. Identify the EMO Switch _____
- 1.5. Identify the Power Circuit Breaker _____
- 1.6. Carry Out LOTO for Safe Machine Maintenance _____
- 1.7. Identify the Interlock Mechanism _____

2. Machine Components and Functions

- 2.1. Interpret the Machine Outer Cover _____
- 2.2. Interpret the Axes Arrangement and Function _____
- 2.3. Interpret the Spindle-axis Section _____
- 2.4. Identify the Chuck Table Structure _____

3. Operator Maintenance

- 3.1. Set Up the Function Data _____
- 3.2. Back Up/Restore the Machine Data _____

4. Machine Maintenance

- 4.1. Adjust the Air Pressure Sensor and Set the Threshold Values _____
- 4.2. Replace the Chuck Table _____
- 4.3. Execute the Focus Maintenance _____
- 4.4. Execute the Rotation Alignment _____

5. Log Viewer

- 5.1. Utilize the Log Viewer _____

6. Engineering Maintenance

- 6.1. Identify the Purpose of Wheel Mount/Flange Conditioning _____
- 6.2. Perform the Wheel Mount/Flange Conditioning _____
- 6.3. Utilize the Digital I/O Check Function _____
- 6.4. Utilize the Axial Operation Function _____
- 6.5. Set Up the User Define Data _____
- 6.6. Set the Maintenance Scheduler _____

..... Day 2

7. Maintenance and Periodic Inspection

- 7.1. Clean the Cutting Room _____
- 7.2. Clean the Spindle _____
- 7.3. Clean the Spindle Coolant Water Path _____
- 7.4. Clean the Vacuum Ejector _____
- 7.5. Clean the Non-contact Setup (NCS) Sensor (Detection Surface) [Optional Accessory] _____
- 7.6. Clean the Blade Breakage Detector (BBD) Sensor _____
- 7.7. Grease the X-axis _____
- 7.8. Grease the Y-axis _____
- 7.9. Grease the Z-axis _____
- 7.10. Grease the θ -axis Sensor Assembly Section _____

8. Consumable Parts Replacement

- 8.1. Replace the Air Clean Unit Consumables Parts _____
- 8.2. Replace the Halogen Lamp _____
- 8.3. Replace the Microscope LED Light _____
- 8.4. Replace the Spindle Carbon Brush _____
- 8.5. Replace the Y-axis Roll Sheet and Bracket _____
- 8.6. Replace the Flow Rate Sensor for Spindle Coolant Water _____
- 8.7. Replace the Flow Rate Sensor for Wheel Coolant Water [Optional Accessory] _____
- 8.8. Replace the Solenoid Valve _____
- 8.9. Replace the Bellows _____
- 8.10. Replace the Chuck Table Waterproof Cover / O-ring / V-ring _____
- 8.11. Replace the Flowmeter _____
- 8.12. Replace the Flow Rate Controller for Wheel Coolant Water [Optional Accessory] _____

9. Appendix

- 9.1. (Appendix) Replace the Flange/Hub Mount _____
- 9.2. (Appendix) Maintenance and Periodic Inspection Check Sheet _____
- 9.3. (Appendix) Consumable Parts Replacement Check Sheet _____

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)