

DFD6340 Maintenance 1 (Rev. 3.00)

Trainee	
Company	

Period	
Trainer	

Item	Date	Trainee	Trainer
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..... Day 1

1. Machine Safety Information

- Module: Identify General Safety Information _____
- Module: Identify Safety Precaution for Maintenance Personnel _____
- Module: Identify Inherently Hazardous Operation Areas and Ways to Avoid the Area _____
- Module: Identify Power Circuit Breaker _____
- Module: Identify EMO Switch _____
- Module: Identify Interlock Mechanism and Method to Release the Cover Lock _____
- Module: Carry Out LOTO for Safe Machine Maintenance _____

2. Machine Structure

- Module: Identify Major Axes and Driving Section Structures _____
- Module: Identify Pressure Monitoring System _____
- Module: Identify Air Spindle Structure _____
- Module: Identify Porous Chuck Table Structure _____

3. Non-periodic Maintenance

- Module: Set Up Passwords and User Define Data _____
- Module: Adjust the Air Pressure Sensor _____
- Module: Set Vacuum Pressure Sensor Thresholds _____
- Module: Replace Chuck Table _____
- Module: Execute Focus Maintenance _____
- Module: Execute Rotation Alignment _____
- Module: Utilize Digital I/O Check Function _____
- Module: Utilize Axis Operation Function _____
- Module: Set Up the Maintenance Scheduler _____
- Module: Set Up Function Data Maintenance Screen _____
- Module: Change Frame Size _____

4. Periodic Maintenance 1 (Cleaning)

- Module: Clean the Cutting Room (Chamber) _____
- Module: Clean Spindle Front Cover Section _____

Training Sign-off Sheet

- Module: Clean Spindle Coolant Water Path _____
- Module: Clean the Vacuum Ejector _____
- Module: Clean and Adjust the Non-contact Setup Sensor _____
- Module: Clean and Adjust the Blade Breakage Detector Sensor _____

5. Periodic Maintenance 2 (Greasing)

- Module: Perform X-axis Greasing _____
- Module: Perform Y-axis Greasing _____
- Module: Perform Z-axis Greasing _____
- Module: Perform Upper Arm Axis Greasing _____
- Module: Perform Lower Arm Axis Greasing _____
- Module: Perform Elevator Axis Greasing _____

6. Periodic Maintenance 3 (Conditioning)

- Module: Identify the Purpose of Flange/Mount Conditioning _____
- Module: Perform Wheel Mount/Flange Conditioning _____

..... Day 2.....

7. Periodic Maintenance 4 (Replace Consumables)

- Module: Replace the Air Clean Unit Consumables _____
- Module: Replace the Halogen Lamp _____
- Module: Replace the Spindle Carbon Brush _____
- Module: Replace the Microscope LED Light _____
- Module: Replace the Y-axis Section Roll Cover _____
- Module: Replace the Spinner Section Roll Cover (Sheet) _____
- Module: Replace the Spindle Cooling Water Flow Sensor _____
- Module: Replace the Upper Arm Vacuum Pad _____
- Module: Replace the Lower Arm Vacuum Pad _____
- Module: Replace Solenoid Valves _____
- Module: Replace the X-axis Bellows _____
- Module: Replace the Chuck Table V-ring, O-ring and Water Cover _____
- Module: Replace the Spinner Table O-Ring _____

8. Appendix

- Appendix: Maintenance Check Sheet _____

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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)