DFD6240 Maintenance 2 (Rev. 2.00)

Trainee		Period	
Company		Trainer	

Item	Date	Trainee	Trainer

·· Day 1··

1. Machine Structure

Module: Identify Safety Circuit / Interlock Function	_____	_____	_____
Module: Identify Electrical Block Diagram	_____	_____	_____
Module: Identify Electrical Components Layout	_____	_____	_____
Module: Identify PC Board Function / Settings	_____	_____	_____
Module: Identify Axis Zero Point Positions	_____	_____	_____
Module: Interpret Relative Stroke between Axis and Axis	_____	_____	_____
Module: Identify Servo Motor Driver Error Code	_____	_____	_____
Module: Identify Spindle Motor Driver Error Code	_____	_____	_____
Module: Identify Stepping Motor / Spindle Motor Driver Setting	_____	_____	_____
Module: Interpret Water and Pneumatic Piping	_____	_____	_____
Module: Identify C/T Setup Principle	_____	_____	_____
Module: Utilize Log Viewer / Log Analyzer Function	_____	_____	_____

2. Carry out Measurement

Module: Inspect / Adjust DC Power Supply Output Voltage	_____	_____	_____
Module: Inspect and Adjust the Air / Water Curtain Angle	_____	_____	_____

·· Day 2··

Module: Identify How to Use the Dial Gauge	_____	_____	_____
Module: Inspect Chuck Table Flatness Accuracy	_____	_____	_____
Module: Inspect X-axis Yawing & Pitching	_____	_____	_____
Module: Inspect Y-axis Yawing & Pitching	_____	_____	_____
Module: Inspect Workpiece Transport Positions	_____	_____	_____
Module: Inspect X-Spindle axis Perpendicularity	_____	_____	_____
Module: Inspect Z-axis Repetition Accuracy	_____	_____	_____
Module: Inspect Spindle Shaft Axial Runout	_____	_____	_____

3. Carry out Adjustment

Module: Adjust Chuck Table Flatness Accuracy	_____	_____	_____
Module: Adjust X-Spindle axis Perpendicularity	_____	_____	_____
Module: Adjust Workpiece Transport Positions	_____	_____	_____

Module: Adjust the Wheel Cover Nozzle Position   _____ _____ _____

Module: Perform Pixel Size Measurement   _____ _____ _____

4. Replace Machine Parts

Module: Replace Axis End Sensor   _____ _____ _____

Module: Replace NCS Sensor   _____ _____ _____

·· Day 3 ·······································

Module: Replace BBD Sensor   _____ _____ _____

Module: Replace Microscope Unit   _____ _____ _____

Module: Replace Air Spindle Unit   _____ _____ _____

Module: Replace Spinner Seal Unit   _____ _____ _____

5. Manage Machine Data

Module: Execute Back up / Restore Machine Data   _____ _____ _____

6. Appendix

Appendix: Machine Accuracy Test Certificate Form   _____ _____ _____

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Course composition, intended trainees and course objective

Course Name	Intended Trainees	Course Objective
Operation	- who has no experience of operating the machine - who conducts data and function settings of the machine	- 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	- 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	- 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)