



# TRAINING SYLLABUS

## DFL7160 Maintenance 1

### Intended Trainees

- who has already completed the "Operation 2" course (or has equivalent operation skills)
- who conducts periodic maintenance of the machine

### Course Objective

To enable trainees to safely and precisely perform the periodic maintenance and consumable parts replacement described in the Maintenance Manual of the machine

### Schedule

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| <b>Day 1</b> | <b>Orientation</b><br>Introduction of Training Center facility/staff and schedule<br><b>Understand the Intrinsic Hazard Points and Avoidance Measures during Maintenance</b><br><b>Understand the Structures of Major Axes</b><br><b>Understand the Structures of Major Movement Sections</b><br><b>Set the Pressure Sensor</b><br><b>Implement Frame Size Change</b><br><b>Execute Focus Maintenance</b><br><b>Operate Axes with the Axis Operation Screen</b><br><b>Register the Frame Size</b><br><b>Use Log Viewer</b><br><b>Use Log Analyzer</b><br><b>Employ the Laser Maintenance (4.0) Screen</b><br><b>Perform Laser Power Adjustment</b><br><b>Perform Attenuator Maintenance</b><br><b>Check Laser Information</b><br><b>Set the Laser Setup Data</b><br><b>Set the Laser Expendable Supplies Management Data</b> |
| <b>Day 2</b> | <b>Set User Define Data</b><br><b>Use the Maintenance Scheduler</b><br><b>Check Sensors and Manipulate Solenoid Valves by the I/O Check Screen</b><br><b>Adjust Air and Washing Water Pressure</b><br><b>Adjust Utilities for the Atomizing Nozzle for Cleaning</b><br><b>Clean Vacuum Ejectors</b><br><b>Grease the X-axis</b>  |

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|  | <p><b>Grease the Y-axis</b></p> <p><b>Grease the <math>\theta</math>-axis</b></p> <p><b>Grease the Upper Arm</b></p> <p><b>Grease the Lower Arm</b></p> <p><b>Check the Operation of Cooling Fan Motors</b></p> <p><b>Replace the Chiller Coolant</b></p> <p><b>Replace the Air Clean Unit</b></p> <p><b>Replace the Blow Line Filters</b></p> <p><b>Replace the Vacuum Pads of the Upper Arm Section</b></p> <p><b>Replace the Vacuum Pads of the Lower Arm Section</b></p> <p><b>Replace the Halogen Lamps</b></p> <p><b>Replace Solenoid Valves</b></p> <p><b>Replace the Bellows</b></p> <p><b>Search for the Necessary Information in the Tool Manual</b></p> <p><b>Deal with the Occurred Errors</b></p> <p><b>Execute Maintenance Operations for the Protective Coating Function</b></p> <p><b>Clean the Process Point Nozzle for Grooving Specification</b></p> <p><b>Q &amp; A</b></p> <p><b>Closing</b></p> <p style="padding-left: 20px;">Issuing training certificate</p> <p style="padding-left: 20px;">Request for filling in questionnaire sheet</p> |
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**Note**

The specification of the DFL7160 varies according to the customer in terms of function and accessories. For this reason, please note that the machine to be used in the training may not have the same specifications as your machine and may not be equipped with the optional accessories that your machine has.