



TRAINING SYLLABUS

DAD3220/3230/3430 MAINTENANCE 2

Intended Trainees	<p>A member of the organization which owns (or will own) the applicable machine, and:</p> <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
Course Objective	<p>To enable trainees to conduct maintenance works which are not described in the machine Maintenance Manual (only the items which you can execute without using any special tools or accessing Maker Data screen)</p>
Day 1	<p>Orientation Introduction of Training Center facility/staff and schedule Identify the Safety Features Identify the Safety Circuit and Verify the Functions Identify the Electrical Block Diagram Identify the Function of Each PC Board Identify the Locations of Electrical Components Identify Axis Zero Point Position Identify the Servo Motor Driver and DDM Driver Error Code Identify the Spindle Motor Driver Error Code Identify the Motor Driver DIP Switch Setting Identify the Pneumatic and Water Piping Identify the Chuck Table Setup Principle</p>
Day 2	<p>Inspect and Adjust the DC Power Supply Output Voltage Identify How to Use Dial Gauge Inspect Chuck Table Leveling Accuracy Inspect X-axis Straightness Accuracy Inspect Y-axis Straightness Accuracy Inspect X Axis - Spindle Axis Perpendicularity Inspect Z-axis Positioning Repetition Accuracy Adjust Theta-axis (Chuck Table) Leveling Accuracy Adjust X axis - Spindle Axis Perpendicularity Perform Pixel Size Measurement Replace the PC Board after Setting the Dip-switch and Jumper Replace the Axis End Sensors (X, Y, Z, and Theta Axes) Replace the NCS Sensor [Optional Accessory] Replace the BBD sensor [Optional Accessory] Replace the Microscope CCD Camera Replace the Air Spindle Unit Utilize Log Viewer and Log Analyzer Function Execute Backup/Restore Machine Data Q & A Closing Issuing training certificate Request for filling in questionnaire sheet</p>

Note

The specification of the DAD3220/3230/3430 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.
