

# DFD6750 Tier 1

(Rev. 1.00L)

Trainee	
Company	

Period	
Trainer	

Module	Original Material			Sign-off		
	Material	Chapter	Title	Date	Trainee	Trainer
<b>Day 1</b>						
<b>1. Machine Components</b>						
1.1. Identify the Machine Sectional Composition	SAF	-	SECTIONAL COMPOSITION			
1.2. Interpret the Operation Panel Screen Constituents	OPE	A	1. Screen Constituents			
1.3. Interpret the Software Keyboard	OPE	A	2. Software Keyboard			
			2-1. Direct Operation Keyboard			
			2-2. Axis Control Keyboard			
			2-3. Numeric Keyboard			
			2-4. Text Keyboard			
<b>2. Safety Information</b>						
2.1. Interpret General Safety Precautions	SAF	-	1-1. Precautions on Safe Use of this Machine 1-3. Precautions on Safe Operation and Maintenance of this Machine			
2.2. Interpret Potentially Hazardous Areas and Ways to Avoid the Hazards	SAF	-	2-1. Inherently Hazardous Operation Areas and Ways to Avoid the Area-specific Hazards			
2.3. Interpret the EMO Switch	SAF	-	3. EMO Switch			
2.4. Interpret Power Circuit Breaker	SAF	-	4. Power Circuit Breaker			
			4-1. About the Power Circuit Breaker			
			4-2. Electrical Ratings of the Power Circuit Breaker			
2.5. Interpret the Interlock Mechanism	SAF	-	4-3. Circuit Breaker Lever Lockout			
			5. Interlock Mechanism			
			5-1. Positions and Functions of Interlock Devices			
			5-2. Interlock Mechanism of the Cut Covers			
2.6. Interpret the Safety Labels	SAF	-	5-3. How to Release the Lock Cylinders			
			5-4. Interlock List			
2.6. Interpret the Safety Labels	SAF	-	6. Safety Labels			
<b>3. Start-up and Termination of the Machine</b>						
3.1. Start up the Machine	OPE	B	1. Starting up the Machine			
			1-1. Opening Stopcocks of Air, Clean Air, Water and Duct and Turning ON the Power of the Plant Facility			
			1-2. Turning the Power ON			
			1-3. Checking Supply Pressure of Air and Cutting Water			
			1-4. Executing Initialization			
3.2. Terminate the Machine	OPE	B	1-5. Executing Warming Up (Idling)			
			10. Terminating the Machine			
			10-1. Verification of Stoppage of Spindle and Cutting Water and Initialization			
			10-2. Cleaning Operation			
			10-2-1. Cleaning the Water Case			
3.2. Terminate the Machine	OPE	B	10-2-2. Cleaning the Remnant Box			
			10-3. Turning the Power OFF			
3.2. Terminate the Machine	OPE	B	10-4. Terminating the Vacuum Unit and Stopping Facility Supply of Air, Clean Air and Water and Closing the Duct			

Module	Original Material			Sign-off		
	Material	Chapter	Title	Date	Trainee	Trainer
<b>4. Full Automation Operation</b>						
4.1. Execute Full Automation Operation	OPE	B	2. Full Automation Operation			
			2-1. Preparation of Operation			
			2-2. Verification of Device Data			
			2-3. Full Automation (When the Machine Operates Alone)			
			2-3-1. Designating a Device Data (When the Machine Operates Alone)			
			2-3-2. Setting a Workpiece (When the Machine Operates Alone)			
			2-3-3. Executing Full Automation (When the Machine Operates Alone)			
			2-3-4. Completion of Full Automation (When the Machine Operates Alone)			
			2-4. Full Automation (When the Machine Operates in Online Basis)			
			2-4-1. Designating a Device Data (When the Machine Operates in Online Basis)			
2-4-2. Executing Full Automation (When the Machine Operates in Online Basis)						
2-4-3. Completion of Full Automation (When the Machine Operates in Online Basis)						
4.2. Execute Remnant Collection During Full Automation	OPE	B	2-6. Remnant Collection During Full Automation			
4.3. Resume Cutting after Aborting Full Automation	OPE	B	2-7. Resuming Cutting after Aborting Full Automation			
			2-7-1. Resuming the Cutting Operation after Aborting Full Automation			
2-7-2. Factors That Make It Impossible to Resume Cutting						
<b>5. Making Corrections during Full Automation Operation</b>						
5.1. Make Corrections During Full Automation Operation	OPE	B	2-5. Making Corrections During Full Automation Operation			
			2-5-1. Hairline Alignment			
			2-5-2. Tape Hairline Alignment			
			2-5-3. Correcting Cutting Position			
			2-5-4. Changing Feed Speed			
			2-5-5. Correcting Blade Height			
<b>6. Manual Operation</b>						
6.1. Execute Manual Operation	OPE	B	3. Manual Operation			
			3-1. Outline of Manual Operation			
			3-2. Calling Up the MANUAL OPERATION Screen			
			3-3. Procedures of Manual Operation			
			3-3-1. Executing Alignment			
			3-3-2. Executing Automatic Cutting			
			3-3-3. Executing Semi-Automatic Cutting			
			3-3-4. Executing Process Control Table Running (Except for Cutting)			
			3-3-5. Executing Workpiece Cleaning and Jig Cleaning			

**Course composition, intended trainees and course objective**

Course Name	Intended Trainees	Course Objective
Tier 1	who operates the machine to process products	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
Tier 2	- who has already completed the "Tier 1" course (or has equivalent operation skills) - who conducts data and function settings of the machine - who conducts periodic maintenance of the machine	- To enable trainees to create the data and set the data and functions for operating 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
Tier 3	- who has already completed the "Tier 2" course (or has equivalent operation 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)