## 7100 Series Tier 1

(Rev. 1.10)

Trainee (受講者)	
Company (会社名)	

Period (期間)	
Trainer (トレーナー)	

Module		Sign-off (サインオフ欄)		
(モジュール)	(ページ)	Date (日付)	Trainee (受講者)	Trainer (トレーナー)
Day 1				
1. Machine Overview				
1.1. Interpret Machine Components	2			
1.1.1. 7160	6			
1.1.2. 7161	20			
1.2. Interpret Touch Panel Operation	34			
2. Important Safety Information				
2.1. Interpret All Safety Labels on the Machine	56			
2.2. Interpret Safety Precautions to Be Observed during Operation	70			
2.3. Interpret Dangerous Areas and Ways to Avoid Dangers	82			
2.4. Interpret EMO Switch	86			
2.5. Interpret Power Circuit Breaker				
2.6. Interpret Interlock Mechanism for Operation	96			
3. Startup and Shutdown				
3.1. Start Up the Machine	108			
3.2. Warm Up the Machine		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
3.3. Execute Power Setup	127			
3.4. Terminate the Machine	131			
4. Full Automation Operation				
4.1. Perform Full Automation Operation	138			
4.2. Interpret XIS Mode and Wafer Mapping Mode	153	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
4.3. Correct Parameters during Cutting	161	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
4.4. Perform Sampling Inspection	180			

Module (モジュール)		Sign-off (サインオフ欄)		
		Date (日付)	Trainee (受講者)	Trainer (トレーナー)
5. Manual Operation				
5.1. Perform Manual Workpiece Transfer	197	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
5.2. Execute Alignment	213			
5.3. Execute Automatic Cutting	238			
5.4. Execute Semi-automatic Cutting				
5.5. Execute Manual Cleaning				
5.6. Execute Auto Coating				
6. Hairline Alignment				
6.1. Correct Hairline Alignment	267			
7. Error Recovery				
7.1. Execute Remedies for Errors during Transport	282			
7.2. Execute Remedies for Errors during Cutting	294			
7.3. Execute Remedies for Errors during Alignment	297			

## Course composition, intended trainees and course objective

Course Name	Intended Trainees		Course Objective
Tier 1	who operates the machine to process products	$\rightarrow$	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	$\rightarrow$	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	<b>→</b>	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)