



**Technical
Specification
Φ100 Roll Press
(Heating Type)**

1. Equipment Name: Φ 100 Roll Press (Heating Type)

1-1. Equipment Quantity

Item	Quantity	Remarks
Calendaring Machine	1 Set	
Main Roll Safety Cover	1 Set	
Guide Plate	1 Set	

1-2. Equipment Speed

Item	Description	Remarks
Machine Speed	Max. 2m/min	
Pressing Speed	Max. 1m/min	

1-3. Utilities

Item	Description	Remarks
Power Supply	AC 220V, 60Hz, 1-Phase	
Power	0.4kW	
Weight	Approx. 80kg	
Dimension (W x D x H)	450 x 500 x 400 (mm)	

2. Pressing Quality

Item	Description	Remarks
Pressing Thickness	Deviation for lateral and vertical $\pm 2\mu\text{m}$	
1. Excludes Pressing plate corresponding to initial start and condition setting operation. 2. The warranty conditions refer to quality assurance that is produced under normal conditions.		

3. Conditions for operation

3-1. Applicable Substrates

Item	Description		Remarks
Material	Cathode: Al,	Anode: Cu	
Coating Mode	Continuous		
Diameter of Winding Roll	N/A	N/A	Sheet Type
Weight of Winding Roll	N/A	N/A	Sheet Type

4. Specifications of Equipment

4-1. Main Unit

Item	Description	Remarks
Un/Rewinding Unit	1 Set	
Pressing Unit	1 Set	
Controller Unit	1 Set	

5. Specifications of Equipment (Per Unit)

5-1. Un-Winding Unit

Item	Spec.	Remarks
Type	Electrode Sheet Feeding Type	
Core Chucking Type	Guide Plate	
Loading & Un-Loading	Manual Type	

5-2. Pressing Unit

Item	Spec.		Remarks
Pressing Roller	Diameter	Ø100mm x 150mm Width	
	Foil Width	Max. 130mm	
	Pressing Width	Max. 100mm	
Roller Heating	Type	Heating Roll Type	
	Heating Source	Cartridge	
	Pressing Temp.	Max. 150°C (Nor. 90 ~ 100°C)	
Gap Control	Gap Block Type		Manual
Thickness Accuracy	±2μm		
Resolution	1μm		
Roller Drive	AC Inverter Motor		
Roll Up/Down	Lever Control (상부 롤 Up/Down)		

5-3. Rewinding Unit

Item	Spec.	Remarks
Type	Electrode Sheet Feeding Type	
Core Chucking Type	Guide Plate	
Loading & Un-Loading	Manual Type	

6. Controller Unit

Item	Spec.		Remarks
Main Controller	Type	Analog Control (Inverter)	
Display Control	Button Type		
Thickness Measuring	Type	Manual Type	Micrometer

7. Safety Device

Item	Spec.	Remarks
Emergency Switch	Manual Type	
Main Roll Safety Cover	Front / Rear Part	

8. Reference Drawing (Approximately)

Dimension (Approx.): 0.45M(L) x 0.5M(W) x 0.4M(H)

[Common]

1. Document to be Submitted

1-1. Final Specifications Drawing: Korean & English

-Mechanical Drawings

: Whole Layout Drawing

: Out-Line Drawing of each Unit

1-2. Manual: Korean (1 Hard Copy & PDF file 1ea)

2. AS Period

-Assurance Term: 12 Months after customer inspects the machine.