

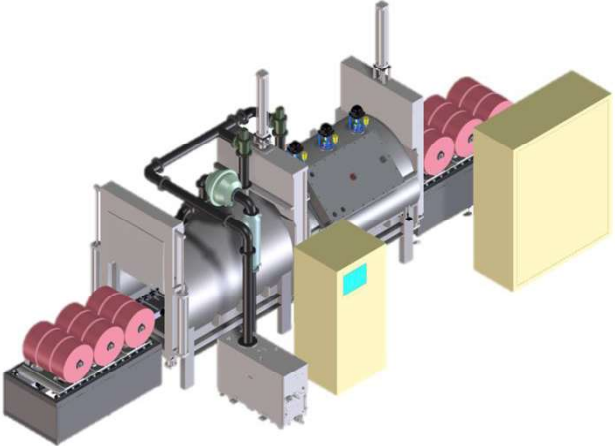
Automatic Vacuum Drying System(V2.5)

Date: 2018. 3. 16

It may have changes or amendments by the End user's requests or both party's meeting.

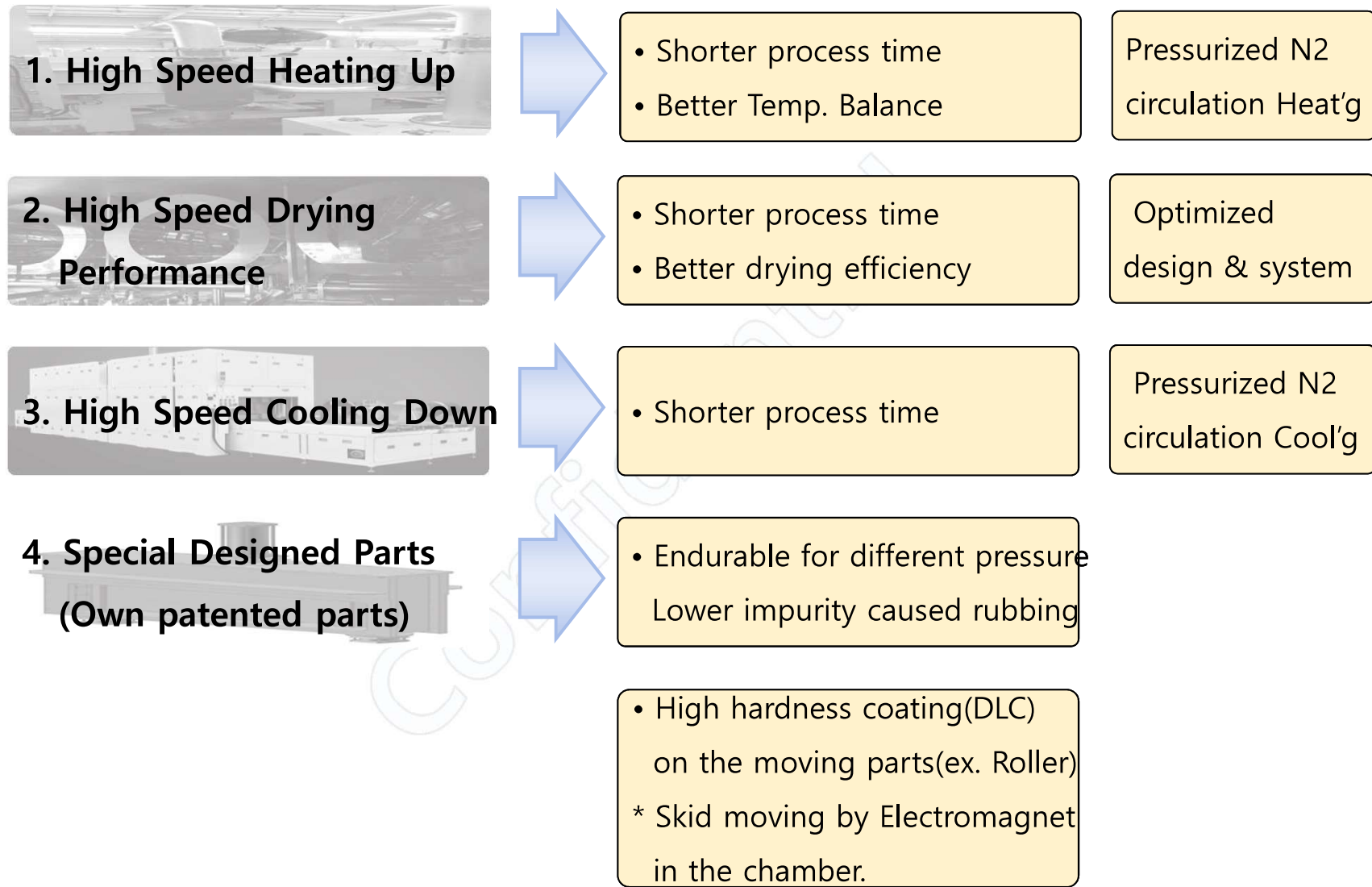


1. Introduction

Version	Concept	Remarks
Ver. 2.5		<ol style="list-style-type: none">1. Most popular version we made.2. 2 separate chamber(Heating & cooling) evaluate your process efficiency.(4~6Hrs for 1 cycle)3. Compact design enable easier automatic production line



2. Technical Advantages



3. General Specifications

▣. Version 2.5

No.	Description	General Specifications		Remarks
1	Application	Reel Type, Reel size Φ 550x65(64)		
2	Chamber Size	Heating Zone	(W)1,500mm x (L)2,300mm x (H)2,200mm	Approx.
		Cooling Zone	(W)1,500mm x (L)2,300mm x (H)2,200mm	
3	Capacity	6Reel / 1Skid * 3 Skid / cycle		
4	Production Yield	Cathode = 6Reel*3Skid*1315cell/7hrs=56ppm Anode = 6Reel*3Skid*1200/7hrs=51ppm		
5	Heater Capacity	Max 180°C		
		Normal 120°C \pm 5°C		
6	Pressure	ATM~0.075 Torr		
7	Cycle Time	7Hrs/1Cycle		
8	Water contents after process	Cathode: \leq 300ppm Anode: \leq 500ppm		

***Note: It should be defined for the water contents before process..**

11	Load/Unloading	Manual Loading / Unloading *Auto type loading & unloading to be defined later. (By Robot or AGV from before & after VD)	*Option
12	Inner Transfer	Auto Conveyor	
13	Chamber Material	STS304	
14	Frame	SS41 + Painting	
15	Vacuum Sensor	INFICON (PCG-550)	
16	Temp. Monitoring Pos.	Heating Chamber	5POS
		Cooling Chamber	3POS
17	Vacuum Pump	Dry Pump, Model: Leybold (DV650) – 1Set	
18	Cryo System	1Set	Option
19	PLC	Mitsubishi Q Series	
20	Touch Screen	PROFACE	
21	Temp. Controller	PID Control	
22	Installation Area	(W) 3,750 x (L) 7,560 x (H) 3,500 mm(Approx.)	