

VR – Process 29
Revision History

Date / Time	Rev	Author	Description
8/26/2017	A	FS	Original Version

Approvals

Rev	Approval	Customer	Engineering	Mechanical	Software	Mfg	OPS	QA	Test	Sales	Support	Corp
A	DT											
	Initial											

1.0 Process Description

Description	Pass HDPE and Top ABS Panel Through Heat Process
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VR Part Number	VR1
Customer Part Number	355467-01
Configuration	Standard
Model	SRA-16(20x69]
Process Number	VR102601-29
Process Standard	



2. Setup

2.1 Technician

Tech #	Certification Required	Skill	Process	Safety
1	No	None	Yes	Yes

2.2 Tools

2.2.1 Calibrated Tools

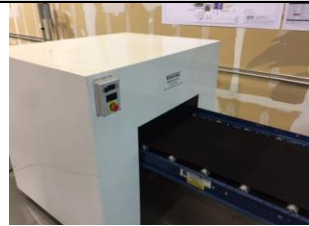
Number	Tool	Description	Rev	Specification	Calibration Requirements	Image
1	Heat Chamber Temp Sensor	Temp Sensor used to control temperature inside the heat chamber.	1	Temperature controlled at 100degrees Celsius	To be checked every year against a known temperature controlled chamber.	
2	Heat Chamber Tachometer	Tachometer used to verify conveyor speed		Speed controlled at 11RPM	Calibrated oscilloscope need to be used to check tachometer output pulses.	

VR – Process 29



VR – Process 29

Pass Panel Through Heat Process

2.2.2 Non-Calibrated Tools

Number	Tool	Type	Reference	Image
1	Heat Chamber	Chamber	3x Heat Lamp of 1500W	

2.3 Materials

#	VR Part Number	Mfg Part #	Manuf	Description	Qty	Requires Serial #	Size	Tolerance	COC Req	Lot Req	Incoming QA Req	Image
1	VR102683	See BOM	See BOM	1/8" ABS – Top Side	1	N	See Engineering Drawing	See Engineering Drawing	Y	Y	Y	
2	VR102681	See BOM	See BOM	3/8" HDPE – Front Side	1	N	See Engineering Drawing	See Engineering Drawing	Y	Y	Y	

2.4 References


Number	VR Doc Number	Rev	Description	Manuf	Description	Directory
1						

VR – Process 29

2.5 Safety

Number	Type	Description	Reference
1	Heat Resistant Safety Gloves	Use of heat resistant gloves while placing and removing material from heat chamber is obligatory	Refer to MSDS
2	Safety Power Cut Off Training	All personnel working with or around gluing area need to be able to use safety power cutoff switch.	VR Internal training

VR – Process 29
Procedure

Step	Tech	Tool	Material	Tasks description	Reference Drawing	Image
	1	NC-1	M-1	Place ABS panel on top of conveyor. The glued side should be facing up and the board side towards the heat chamber.		
	1	NC-1	M-2	Once the ABS panel is out the other side you can safely place the HDPE panel on top of conveyor, glue facing up and board side towards heat chamber. Wait for it com come out the other side.		
	1	NC-1	M-1, M-2	Repeat process 1 and then 2 to fully heat dry the adhesive.		

VR – Process 29

4.0 Process Recording

Step	Tasks description	Reference Drawing / Image

5.0 Non Compliance

#	Non Compliance	Disposition	Reference Drawing / Image