## **CONTROL PLAN**

□ Prototype □ Pre-Launch ■ Production Form SOP8.15-2

Control Plan No.		Key Contact/ Phone	Issue Date (Original) Date (Revision)						
Eco Bar Au	ito-1	Senju Tel No.: +60351912227	14/01/2019	07/12/2020	1.4				
Engineering Change Level		Core Team (MFT)  Customer Engineering Approval/ Date							
		T.Ono (FGM), Mohd Rafie (Production), Ahmad Tajuddin (QA/QC), Farizan (QA/QC), Anbil (Sales), Yusup (Logistics)							
Customer Information		Customer Part No.	Customer Quality Approval/ Date (If Required)						
All Custon	ner								
Part Name/ Description		Organization/ Plan Approval/ Date	Other Approval Date (If Required)						
All Eco Solder Bar									
Organization/ Plant	Organization Code	Other Approval/ Date (If Required)							
SENJU (MALAYSIA) SDN. BHD									

	Process Name/	Machine.		Characteristics		Chasial			Methods									
Part/ Process No.	Operation Description	Device, Jig, Tools for Mfg.	No.	Control Item	Process	Special Char. Class	Product/ Process Specification/ Tolerance	Evalution/ Measurement Technique	Sai Size	nple Freq.	Control Method & Record	Confirmation Dept.	Responsibility & Remark Reaction Plan	Remarks				
			101A	Material name			Purchase Order	Check with reference			Visual & weighing	Receiving						
			102A	Quantity			Pulchase Order	to PO			visual & weighting	Receiving						
100A	Raw Material Receiving	Fork lift & Weighing Scale	103A	Composition	Sampling for incoming test		Purchase Spec	Arc Spark (Tin, Copper), ICP (Ag)	All	receiving Inst	All I	receiving	SOP8.1-1 Incoming Inspection Standard,	Inspection Standard,		QA/QC		
			104A	RoHS Compliance			CoC/ CoA/ G. Letter	Check with reference to GL			Material Test Report	Receiving						
200A	RM Storage	Fork lift	201A	Segregation of items			No mix up	Segregation, Label, Indication	All	Every lot	Material Bincard	Receiving						
	Material	Forklift,	301A	Correct materials			Compostion standard PMS-LF-1, WI701-19	Calculation			Material Combination Requisition form	Raw Mat	Daw Mat					
300A	Calculation and Weighing	Weighing Scale	302A	Material weight percentage			Auto Casting Bar Making Process	Calculation	All	Every lot	(Form No. PR302/007B)	Store	SOP8.5-1					
			303A	FIFO			Material Lot No.	FIFO			Material Bin Card		Procedure for Control of					
	Combination	Furnace	401A	Melting temp.	Melting		WI701-19 Auto	Furnace Temp/ Metal Temperature	All	Every lot			Nonconforming  Product					
400A	(Melting and Mixing)	Air Compressor, Air Bubble m/c	402A	Mixing, AB Treatment	Air bubble		Casting Bar Making Process	Time (Counter at control panel)	All	Every lot	Process Control Checksheet	Production						
		Ladle	403A	Dross removal, Material mix				Visual	All	Every lot								
			411A	Product Name														
			412A	Manufacturing date			WI708-17 Label											
4104	410A Label Printing	Label Printer	413A	Lot No.			Printing Procedures, WI707-18 Guide for	Visual	All	Every lot	Process Control	Production						
410A		Laberriniter	414A	Net weight			Label Resin Cored,	Visual	All	Every lot	Checksheet	1 Toduction						
			415A	Validity			Wire and Bar Solder											
			416A	GHS Info							ļ							
			417A	Company info														

	B	Marshire		Characteristics		0			Methods	3																
Part/ Process No.	Process Name/ Operation	Machine, Device, Jig,	No.	Control Item	Process	Special Char.	Product/ Process Specification/	Evalution/ Measurement	Sar	mple	Control Method &	Confirmation	Responsibility & Reaction Plan	Remarks												
140.	Description	Tools for Mfg.	INO.	Control item	F100e55	Class	Tolerance	Technique	Size	Freq.	Record	Dept.	reaction rian													
		Ladle, Button	501A	Sample taking			WI701-06 Guide to Take Sample of Molten Solder	Button sample	1/ lot	Every lot	Sample Test Request (Form No : PR302/019)	Production														
500A	Inspection No. 1	Sample Mould, Grinder, Arc Spark	502A	Alloy composition & impurity			IS8.2.7-1 Inspection Standard - Lead Free or Ecosolder, SMTM-21 Composition Test by Using Spectrolab	Composition test	Per sample	Every Lot	Material Combination Requisition form (Form No. PR302/007B), Test Data Sheet Form No 8.2/QC001)	QA/QC														
		O. H D	601A	Furnace Temperature			WI701-19 Auto																			
600A	Casting	Solder Pump, Continuous Casting Machine	602A	Bath 1 Temperature			Casting Bar Making Process, Temp - follow process	Control Panel	All	At start	Process Control Checksheet	Production														
		Casting Macrille	603A	Bath 2 Temperature			control checksheet																			
700A	Cutting	Cutting Machine, Weighing Scale	701A	Surface appearance			Limit samples; WI704-03-2 Limit Sample for Bar Appearance, WI701-09 Bar Solder Continuous Casting Surface Visual Reference, WI701-19 Auto Casting Bar Making	Visual	All	Every piece	Process Control Checksheet	Production	SOP8.5-1 Procedure for Control of													
			702A	Hallmark			Hallmark - Correct, readable and clear	Visual					Nonconforming Product													
			703A	vveignt per			0.48kg ~ 0.52kg	Weighing scale																		
			801A	Packing weight			Min 10.01 kg per box	Weighing scale	All	Every box	Weight printout	Production														
800A	Packing	Weighing Scale	802A	Carton box - type		and Label for Zero Ag Bar Product, WI707-18 Guide for Label Resin Cored, Wire and Bar Solder  Same as production Final Inspection													WI702-09 Packing and Label for Sn Bi Bar Product, WI702-06 Packing and Label for Zero Ag	Visual	All	Every box		Production		
			803A	Label			VI707-18 Guide for abel Resin Cored,	VI707-18 Guide for abel Resin Cored,																		
			804A	Total lot quantity			plan			Every lot	checksheet (Form No	Production														
			901A	Sample taking			3 pieces of bar	Bar sample	[		Material Combination	Production														
900A	Inspection No. 2	Bar Sample, Arcspark	902A	Alloy composition & impurity			IS8.2.7-1 Inspection Standard - Lead Free or Ecosolder, SMTM-21 Composition Test By Using Spectrolab	Composition test	3 per lot	Every lot	Requisition form (Form No. PR302/007B) Test Data Sheet Form No 8.2/QC001	QA/QC														

	Drosses Name/	Maahina		Characteristics	ristics Methods									
Part/ Process No.	Process Name/ Machine, Operation Device, Jig, Description Tools for Mfg.  No. Control Item Proce		Process	Special Char. Class	Product/ Process Specification/	Evalution/ Measurement	Sample		Control Method & Record	Confirmation	Responsibility & Reaction Plan	Remarks		
	Description	100is for filig.				Class	Tolerance	Technique	Size	Freq.	Record	Dept.		
1000A	Final Inspection		1001A	Packaging			Product Spec; WI702-09 Packing and Label for Sn Bi Bar Product.	Visual	All		Final Inspection checksheet (Form No	Production		
1000A	JOUA Final Inspection		1002A La	Label			WI702-06 Packing and Label for Zero Ag Bar Product		All	Every Lot	PR302-016(A))	QA/QC	SOP8.5-1	
1100A	Storage	Forklift	1101A	Quantity	_	_	Same as FPSA	Check with FPSA	All	Every Lot	FPSA (Form No	FG Store		
TTOOA	Otorage	TORMIT	1102A	FIFO			Lot no	Bin Card/ SAP system	All	LVery Lot	PR302/011(A))	1 0 01010		
			1201A	FIFO									Reaction Plan	
			1202A	Quantity			Disting Destine 0				Disting Destinate			
1200A Delivery	Forklift	1203A	Lot No	Preparation	_	Picking, Packing & Loading Checklist	Confirm with PPL All Every Loading Checklist Logistics							
	Delivery	TORMIT	1204A	Product name	for delivery	_	(PPL)	Checklist	All	delivery	(PPL)	FG Store		
			1205A	Customer name			·· · =/				(· · -)	1		
			1206A	Destination										

## **Revision History**

Revision	Date	Revision Description
1.0	14/01/2019	First Issue
1.1	13/06/2019	Added WI701-19 Auto Casting Bar Making Process in row 700A
1.2	03/07/2019	Change weighing spec to 0.48~0.52 kg
1.3	29/11/2019	At process 800A, added WI 707-18
1.4	7/12/2020	Added Label Printing process