

ADOR WELDING LIMITED WELDING EQUIPMENT GROUP

PRODUCT DEVELOPMENT PLAN

PROJECT : INVERTER BASED MIG/MAG WELDING POWER SOURCE

PROJECT ENGINEER: SANA SHAIKH MODEL : CHAMP VERA 800

MARKET BRIEF AND CUSTOMER BRIEF RECEIVED: YES / NO (TICK MARK)

PHASES / ACTIVITIES	RESP.	DATE PLAN	OF COMPI	LETION ACTUAL	REMARKS	
DEFINITION PHASE 1.1 MARKET BRIEF AND CUSTOMER	N. GUTTO	17.01.19				
		17 01 19		12.1.19	Completed	
1.3 DESIGN INPUT: INTERNAL PRODUCT	SS/JK/SD	30.01.19		1.2.19	completed	
	TFAM	10 02 19		16.2.19	Completed	
PRELIMINARY DESIGN PHASE 2.1 DESIGN SCHEME	SS/JK/SD	22.02.19		8.3.19	Completed	
(DESIGN OUTPUT 1) 2.2 BREADBOARD ASSEMBLY/TESTING 2.3 DESIGN REVIEW 2	SS/JK TEAM	20.03.19 26.03.19		12,4,19	Completed Review 2 Cl Review 2-1	8.4.19)
FINAL DESIGN PHASE 3.1 ENGINEERING DESIGN (DESIGN	SS/JK	11.04.19				
3.2 PROTOTYPE	SS/JK	23.05.19	17.12.19		Completed	
ASSEMBLY/PROTOTYPE TESTING. 3.3 DESIGN REVIEW 3	TEAM	30.05.19	18.12.19	28.5.19	Ref reviso	0 28.5
PILOT BATCH PRODUCTION 4.1 DOCUMENTATION FOR PILOT BATCH (DESIGN OUTPUT 3)	SS	8.07.19	5.2.20		bab sears	7 18.12
A) PRODUCT DOCUMENTS. B) OTHER DOCUMENTS. 4.2 PILOT BATCH ASSEMBLY / TESTING 4.3 FIELD TESTING 4.4 DESIGN REVIEW 4	SS/JK SS/MKTG TEAM	21.08.19 22.08.19 26.08.19	30.3.20			
PRODUCTION DOCUMENTS: 5.1 DESIGN OUTPUT - 4 BEFORE ISSUE	SS					
5.2 ISSUE OF DRGS. FOR MAKING TOOL /JIGS / FIXTURES AS APPLICABLE.	SS					
5.3 ISSUE OF DOCUMENTATION FOR REG. PRODUCTION. DESIGN OUTPUT 4.	SS	Oct-19	may 20			
5.4 TECHNICAL SPECIFICATION TO MARKETING FOR LEAFLET	SS					
5.5 PRODUCTION STAFF TRAINING	SS/JK					
	DEFINITION PHASE 1.1 MARKET BRIEF AND CUSTOMER BRIEF REVIEW 1.2 BENCHMARKED PRODUCT DETAILS 1.3 DESIGN INPUT: INTERNAL PRODUCT SPECIFICATION 1.4 DESIGN REVIEW I PRELIMINARY DESIGN PHASE 2.1 DESIGN SCHEME DETAILED DESIGN CALCULATIONS (DESIGN OUTPUT 1) 2.2 BREADBOARD ASSEMBLY/TESTING 2.3 DESIGN REVIEW 2 FINAL DESIGN PHASE 3.1 ENGINEERING DESIGN (DESIGN OUTPUT 2) 3.2 PROTOTYPE ASSEMBLY/PROTOTYPE TESTING. 3.3 DESIGN REVIEW 3 PILOT BATCH PRODUCTION 4.1 DOCUMENTATION FOR PILOT BATCH (DESIGN OUTPUT 3) A) PRODUCT DOCUMENTS. B) OTHER DOCUMENTS. B) OTHER DOCUMENTS. 4.2 PILOT BATCH ASSEMBLY / TESTING 4.3 FIELD TESTING 4.4 DESIGN REVIEW 4 PRODUCTION DOCUMENTS: 5.1 DESIGN OUTPUT - 4 BEFORE ISSUE 5.2 ISSUE OF DRGS. FOR MAKING TOOL //JIGS / FIXTURES AS APPLICABLE. 5.3 ISSUE OF DOCUMENTATION FOR REG. PRODUCTION. DESIGN OUTPUT 4. 5.4 TECHNICAL SPECIFICATION TO MARKETING FOR LEAFLET PREPARATION.	DEFINITION PHASE 1.1 MARKET BRIEF AND CUSTOMER BRIEF REVIEW 1.2 BENCHMARKED PRODUCT DETAILS 1.3 DESIGN INPUT: INTERNAL PRODUCT SPECIFICATION 1.4 DESIGN REVIEW 1 PRELIMINARY DESIGN PHASE 2.1 DESIGN SCHEME DETAILED DESIGN CALCULATIONS (DESIGN OUTPUT I) 2.2 BREADBOARD ASSEMBLY/TESTING 2.3 DESIGN REVIEW 2 FINAL DESIGN PHASE 3.1 ENGINEERING DESIGN (DESIGN OUTPUT 2) 3.2 PROTOTYPE ASSEMBLY/PROTOTYPE TESTING. 3.3 DESIGN REVIEW 3 PILOT BATCH PRODUCTION 4.1 DOCUMENTATION FOR PILOT BATCH (DESIGN OUTPUT 3) A) PRODUCT DOCUMENTS. B) OTHER DOCUMENTS. B) OTHER DOCUMENTS. 4.2 PILOT BATCH ASSEMBLY / TESTING 4.3 FIELD TESTING 4.4 DESIGN REVIEW 4 PRODUCTION DOCUMENTS: 5.1 DESIGN OUTPUT - 4 BEFORE ISSUE 5.2 ISSUE OF DRGS. FOR MAKING TOOL //JIGS / FIXTURES AS APPLICABLE. 5.3 ISSUE OF DOCUMENTATION FOR REG. PRODUCTION. DESIGN OUTPUT 4. 5.4 TECHNICAL SPECIFICATION TO MARKETING FOR LEAFLET PREPARATION.	DEFINITION PHASE 1.1 MARKET BRIEF AND CUSTOMER BRIEF REVIEW 1.2 BENCHMARKED PRODUCT DETAILS 1.3 DESIGN INPUT: INTERNAL PRODUCT SPECIFICATION 1.4 DESIGN REVIEW 1 PRELIMINARY DESIGN PHASE 2.1 DESIGN SCHEME DETAILED DESIGN CALCULATIONS (DESIGN OUTPUT 1) 2.2 BREADBOARD ASSEMBLY/TESTING 2.3 DESIGN REVIEW 2 FINAL DESIGN PHASE 3.1 ENGINEERING DESIGN (DESIGN OUTPUT 2) 3.2 PROTOTYPE ASSEMBLY/PROTOTYPE TESTING. 3.3 DESIGN REVIEW 3 PILOT BATCH PRODUCTION 4.1 DOCUMENTATION FOR PILOT BATCH (DESIGN OUTPUT 3) A) PRODUCT DOCUMENTS. B) OTHER DOCUMENTS. B) OTHER DOCUMENTS. 4.2 PILOT BATCH ASSEMBLY / TESTING 4.3 FIELD TESTING 4.4 DESIGN REVIEW 4 PRODUCTION DOCUMENTS: 5.1 DESIGN OUTPUT -4 BEFORE ISSUE 5.2 ISSUE OF DRGS. FOR MAKING TOOL J/JIGS / FIXTURES AS APPLICABLE. 5.3 ISSUE OF DRGS. FOR MAKING TOOL J/JIGS / FIXTURES AS APPLICABLE. 5.3 ISSUE OF DRGS. FOR MAKING TOOL J/JIGS / FIXTURES AS APPLICABLE. 5.4 TECHNICAL SPECIFICATION TO MARKETING FOR LEAFLET PREPARATION.	DEFINITION PHASE 1.1 MARKET BRIEF AND CUSTOMER BRIEF REVIEW 1.2 BENCHMARKED PRODUCT DETAILS 1.3 DESIGN INPUT: INTERNAL PRODUCT SPECIFICATION 1.4 DESIGN REVIEW I PRELIMINARY DESIGN PHASE 2.1 DESIGN SCHEME DETAILED DESIGN CALCULATIONS (DESIGN OUTPUT 1) 2.2 BREADBOARD ASSEMBLY/TESTING 2.3 DESIGN REVIEW 2 FINAL DESIGN PHASE 3.1 ENGINEERING DESIGN (DESIGN OUTPUT 2) 3.2 PROTOTYPE ASSEMBLY/PROTOTYPE TESTING. 3.3 DESIGN REVIEW 3 FILOT BATCH PRODUCTION 4.1 DOCUMENTATION FOR PILOT BATCH (DESIGN OUTPUT 3) A) PRODUCT DOCUMENTS. B) OTHER DOCUMENTS. C) IDESIGN OUTPUT -4 BEFORE ISSUE 5.2 ISSUE OF DRGS. FOR MAKING TOOL //JIGS / FIXTURES AS APPLICABLE. 5.3 ISSUE OF DOCUMENTATION FOR REG. PRODUCTION. DESIGN OUTPUT 4. SS SS OCCI-19 TOAL 1.10.1.19 MKTG SS/JK/SD 17.01.19 MKTG SS/JK/SD 17.01.19 MKTG SS/JK/SD 30.01.19 SS	PLAN REV.1 ACTUAL	PLAN REV.1 ACTUAL

NOTE: NEXT PHASE WILL NOT START TILL PREVIOUS DESIGN REVIEW IS COMPLETED

REVIEWED BY:

APPROVED BY:

IN-CHARGE TDC-E CASION : 19.1.19

IN-CHARGE MKTG.-E

SIGN S. Kilcet

DSGN4003/15/R0



ADOR WELDING LIMITED WELDING EQUIPMENT GROUP

PRODUCT DEVELOPMENT PLAN

PROJECT : INVERTER BASED MIG/MAG WELDING POWER SOURCE

: CHAMP VERA 800 PROJECT ENGINEER: SANA SHAIKH MODEL

MARKET BRIEF AND CUSTOMER BRIEF RECEIVED: YES / NO (TICK MARK)

PHASE NO.	PHASES / ACTIVITIES	RESP.	DATE OF COMPLETION			REMARKS
			PLAN	REV. 1	ACTUAL	
01	DEFINITION PHASE					
	1.1 MARKET BRIEF AND CUSTOMER					
	BRIEF REVIEW	MKTG				
	1.2 BENCHMARKED PRODUCT DETAILS	SS/JK/SD				
	1.3 DESIGN INPUT: INTERNAL PRODUCT	SS/JK/SD				
	SPECIFICATION					
	1.4 DESIGN REVIEW 1	TEAM				
02	PRELIMINARY DESIGN PHASE					
0.2	2.1 DESIGN SCHEME	SS/JK/SD				
	DETAILED DESIGN CALCULATIONS	CONTEGE	-/-			
	(DESIGN OUTPUT 1)		12 12 20			
	2.2 BREADBOARD ASSEMBLY/TESTING	SS/JK				
	2.3 DESIGN REVIEW 2	TEAM				
03	FINAL DESIGN PHASE					
	3.1 ENGINEERING DESIGN (DESIGN	SS/JK				
	OUTPUT 2)					
	3.2 PROTOTYPE	SS/JK	28.03.20	10.5.20		
	ASSEMBLY/PROTOTYPE TESTING.					Δ . (
	3.3 DESIGN REVIEW 3	TEAM	30.03.20	10.5.20	18.3.20	pag Revised
04	PILOT BATCH PRODUCTION		CALL ET			18.6
	4.1 DOCUMENTATION FOR PILOT	SS	25.4.20	30.5.20		
	BATCH					
	(DESIGN OUTPUT 3)					
	A) PRODUCT DOCUMENTS.					
	B) OTHER DOCUMENTS.					
	4.2 PILOT BATCH ASSEMBLY / TESTING	SS/JK	25.4.20	30.5.20		
	4.3 FIELD TESTING	SS/MKTG				
	4.4 DESIGN REVIEW 4	TEAM				
05	PRODUCTION DOCUMENTS:					
	5.1 DESIGN OUTPUT - 4	SS				
	BEFORE ISSUE					
	5.2 ISSUE OF DRGS. FOR MAKING TOOL	SS				
	/JIGS / FIXTURES AS APPLICABLE.		May 20	June-20		
	5.3 ISSUE OF DOCUMENTATION FOR	SS				
	REG. PRODUCTION.					
	DESIGN OUTPUT 4.					
	5.4 TECHNICAL SPECIFICATION TO	SS				
	MARKETING FOR LEAFLET					
	PREPARATION.					
	5.5 PRODUCTION STAFF TRAINING	SS/JK				

NOTE: NEXT PHASE WILL NOT START TILL PREVIOUS DESIGN REVIEW IS COMPLETED

REVIEWED BY:

APPROVED BY:

IN-CHARGE TDC-E Gubbode SIGN

IN-CHARGE MKTG.-E SIGN S.C. Palet

DSGN4003/I5/R0