

PART LIST

MACHINE : CASE GAUGING M/C-5.56mm.

GROUP : ELECTRICAL ASSY.

ORDER No:

ASSEMBLY DRAWING No:

SHEET No: 05

MTSK 207 - 9000 SUB GROUP : GENERAL ASSY.

PART No	NO / GROUP	DESCRIPTION	MATERIAL	STD	DIM	REMARK
41	1No.	Programming Logic Controller with 64DI; 64DO; 1	2AI; 1Pt-100 Temp inpu			
		a) Scanning time NOT more than 5ms for programming steps of 1500-2000.				
	17.81	b) All digital inputs should be of NPN/PNP supported from field inputs.				
	- 8 14	c) All digital outputs should be of NPN/PNP to drive the relay cards.				
		d) Analog input should be universal and of 12 bit minimum				
		e) Temperature module should support Pt-100 input and should be controlled thru PID logic.				
	5 6 13	f) PLC system should have ethernet port built into CPU or separate module				
		to connect to PC for high speed data collection.				
	3	g) All the I/O should come with the cables, connectors and other supporting tools.				
		h) CPU should have the replaceable battery and should support external memory card for data collection.				
		i) PLC should support the ladder, structural, scrip				
		j) Necessary license software along with the cable	s to be included in the p	ackage.		
		k) PLC should be of a latest configuration				
		All software tools required for program the PLC sh	nall be in the scope of su	pply_		
		Make: Siemens				
42	1 No.	HMI with latest configuration to suit above mention	oned PLC at sl No. 41			
		keypad as well as touch screen operator interface				
		Screen size - 15" or more, with licensed software				
		Make : Siemens				
43	15Nos.	High accuracy inductive gauging sensor with cont.	roller with following featu	ires		
		1) Full scale measuring range – 0 to 2mm. 2) Sensor mounting size M8 to M10				
		3) Cable length – 10Mtrs. 4.) Linearity of +/- 0.3% of F.S. (0 – 2mm.)				
		5.) Repeatability of 0.02% of F.S. 6.) Least count		cron		
		7.) Ultra high speed sampling of 25 micro second i.e. 40000 samples per second				
		8.) Analog output of +/- 5VDC. 9.) Resistance against harsh environment: IP67				
	16-11	10.) Analog output voltage impedence of 100 ohm			x sneed)	
		11.) Tolerance limit memory function – up to 4 up			- 1	
	Co. Div	12.) Controller should be Din rail mountable or pa				to accept
		Aluminium, Steel, Brass etc as target 14.) The ser				
		manning, otoo, bross etc as target 14.) The ser	isor and controller corpe	it should comp	duble to bi	kala ka
		The scope of work includes installation, programm	ing commissioning and in	terfacing with	DIC HMI	sansors &
		The production of the second contract of the	0			
		field I/Os to SI, No. 41 to 43 as per requirment of the machine with full system training are in the scope. Five set of drawings & manuals includes equipment documentation, required after completion				
			in documentation, requi	ned and comp	netion	
		and proving of the system.				
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