SUPPLIER SECTION

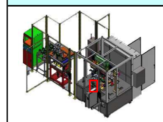
MACHINE LEDGER - Professional Maintenance

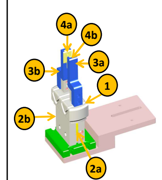
Machine name	Model No.	Manufacturer
INLINE CRANKSHAFT GAGE		JENOPTIK

Combined Machine Ledger / PM Calendar 2021

OPERATION COMPLETED · EXTRA CYCLE · BREAKDOWN · PLANNED OPERATION

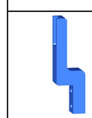
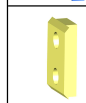
Machine Diagram - Machine and Subassembly Diagram





INLINE CRANKSHAFT GAGE

Subassembly Name: **OP178 CLAMPING WORK PIECE**

Picture	Number	Name	Manufacturer	Manufacturer's Part No.	NPM Code	Crib Location	Cost of Component	Component classification A - B - C	Activity Frequency (weeks) and Based on Machine Cycle	Maintenance Time (min)	SMP#	TMS#	Machine Static/Dynamic	What	Who	Replacement Year	C -Consumable R- Repairable
	1	Parallel Gripper	FESTO	HGP-25-A-B-SSK				A	As	34.5	P13		Static	Replace CBM	MTMM		C
	2 (2)	Proximity Sensor	FESTO	SME-8-S-LED-24 150857				A									C
	3 (2)	Gripper Jaw	JENOPTIK INDUSTRIAL METROLOGY (GERMANY)	667515				A									C
	4 (2)	Insert Gripper Jaw	JENOPTIK INDUSTRIAL METROLOGY (GERMANY)	10055972				A									C
	5																
	6																
	7																
	8																
	9																
	10																
	11																
	12																

ROOT CAUSE

1. External influences	2. Lack of Knowledge	3. Design weakness	4.Insufficient maintenance	5. Operating conditions not observed	6. Basic conditions not observed

For each component row (1–12):

- Time (Minutes)
- EWO or Kaizen Number
- Root Cause Number

PM Calendar 2021

Month	Weeks	Dates
January	1, 2, 3, 4, 5	30, 6, 13, 20, 27
February	6, 7, 8, 9	3, 10, 17, 24
March	10, 11, 12, 13, 14	3, 10, 17, 24, 31
April	15, 16, 17, 18	7, 14, 21, 28
May	19, 20, 21, 22	5, 12, 19, 26
June	23, 24, 25, 26, 27	2, 9, 16, 23, 30
July	28, 29, 30, 31	7, 14, 21, 28
August	32, 33, 34, 35	4, 11, 18, 25
September	36, 37, 38, 39, 40	1, 8, 15, 22, 29
October	41, 42, 43, 44	6, 13, 20, 27
November	45, 46, 47, 48	3, 10, 17, 24
December	49, 50, 51, 52	1, 8, 15, 22

KPI / Maintenance Evolution

Row	Total Breakdown Number (2014)	TBF (hrs) (2014)	Total # of Breakdowns (2013)	Compont TBF (hrs) (2013)	First week in this year that task is to start.	Change Configuration Date	KAIZEN: indicate kaizen n.	PM=>AM Transfer : (indicate type of AM and CIL activity n.)	Maintenance type change (TBM/CBM): indicate old type --> new type	Frequency Update / Change Date	Frequency: old -> new	Maintenance Time: old -> new	Total Cost of Manpower	Total Component Cost
1													#VALUE!	#VALUE!
2													$0.00	$0.00
3													$0.00	$0.00
4													$0.00	$0.00
5													$0.00	$0.00
6													$0.00	$0.00
7													$0.00	$0.00
8													$0.00	$0.00
9													$0.00	$0.00
10													$0.00	$0.00
11													$0.00	$0.00
12													$0.00	$0.00

Type of Improvement · Parameter change

COST / total cost / component

Row	Time / year (in minutes)	Replace time period (years)	Regular 44.79	Time +half 67.18	Double Time 89.59	Total Time / year (in minutes) #VALUE!	Total Replace time period (years) #VALUE!	total Regular #VALUE!	total Time +half #VALUE!	total Double Time #VALUE!
1	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
	0.00	N/A	0.00	0.00	0.00					
2	0.00	N/A								0.00
	0.00	N/A								
3	0.00									0.00
	0.00									
4	0.00									0.00
	0.00									
5	0.00								0.00	0.00
	0.00									
6									0.00	0.00
7									0.00	0.00
8								0.00	0.00	0.00
9								0.00	0.00	0.00
10								0.00	0.00	0.00
11	0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	N/A	0.00	0.00	0.00					
12	0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	N/A	0.00	0.00	0.00					

Do not need to print this section for calculation purposes only

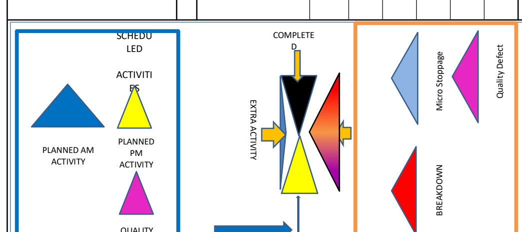
Micro stops

Mircostops Week	1	2	3	4	5	6	7	8	9	10	11	12
Mircostops Time												
Mircostops Week	13	14	15	16	17	18	19	20	21	22	23	24
Mircostops Time												
Mircostops Week	25	26	27	28	29	30	31	32	33	34	35	36
Mircostops Time												
Mircostops Week	37	38	39	40	41	42	43	44	45	46	47	48
Mircostops Time												
Mircostops Week	49	50	51	52								
Mircostops Time												

Top Microstop issues			Total Manpower cost	#VALUE!
			Total Compont cost	#VALUE!

UNIT LEADER RESPONSIBLE FOR UPDATING COMPLETION % WEEKLY

100% · 90% · 80% · 70% · 60% · 50% · 40% · 30% · 20% · 10% · Buy off



Legend		
Shutdown Maintenance	(light blue)	
PM to AM Transfer	(blue)	
A CLASS COMPONENT	(red)	CANNOT RUN WITHOUT THIS
B CLASS COMPONENT	(yellow)	Can still run
C CLASS COMPONENT	(green)	No machine impact to functionality

A & B only on Mach Ledger