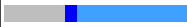
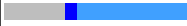












# Tecnomatix Plant Simulation 2201 Statistics

Created on	miércoles, 31 de mayo de 2023 12:43 a. m.
Model name	C:\Users\Ivali\Documents\UNAL\11SEMESTRE\APM\Tecnomatix\Planta-pos - copia.spp
Simulation time	3:07:00:00.0000

## Resource Statistics - Resource Statistics

Object	Working	Set-up	Waiting	Blocked	Powering up/down	Failed	Stopped	Paused	Unplanned	Portion
PartesGato	0.00%	0.00%	32.54%	0.16%	0.00%	0.00%	0.00%	6.54%	60.76%	
PartesRepisa	0.00%	0.00%	32.60%	0.10%	0.00%	0.00%	0.00%	6.54%	60.76%	
PartesMesa	0.00%	0.00%	32.58%	0.12%	0.00%	0.00%	0.00%	6.54%	60.76%	
FresadoyCorte	4.97%	0.24%	24.98%	0.27%	0.00%	2.24%	0.00%	6.54%	60.76%	
Lijado	9.94%	0.25%	22.19%	0.00%	0.00%	0.33%	0.00%	6.54%	60.76%	
AssemblyStation	4.22%	0.00%	28.48%	0.00%	0.00%	0.00%	0.00%	6.54%	60.76%	
Store3	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Turnplate	32.70%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	6.54%	60.76%	
Inspección	0.11%	0.00%	32.59%	0.00%	0.00%	0.00%	0.00%	6.54%	60.76%	
Empaquetado	0.35%	0.00%	32.35%	0.00%	0.00%	0.00%	0.00%	6.54%	60.76%	
Formadora	0.35%	0.00%	3.70%	28.65%	0.00%	0.00%	0.00%	6.54%	60.76%	
Drain	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	

### Portions of the States

Object	Number of Entries	Number of Exits	Minimum Contents	Maximum Contents	Relative Empty	Relative Full	Relative Occupation without Interruptions	Relative Occupation with Interruptions
PartesGato	60	60	0	1	99.50%	-	0.50%	0.37%
PartesRepisa	39	39	0	1	99.70%	-	0.30%	0.10%
PartesMesa	58	58	0	1	99.63%	-	0.37%	0.12%
FresadoyCorte	157	157	0	1	82.02%	-	17.98%	7.32%
Lijado	157	157	0	1	68.54%	-	31.46%	32.34%
AssemblyStation	40	40	0	1	63.10%	-	36.90%	34.22%
Store3	100	0	0	100	0.69%	-	73.95%	73.95%
Turnplate	100	100	0	1	86.29%	-	4.57%	2.06%
Inspección	107	107	0	1	99.65%	-	0.35%	0.11%
Empaquetado	100	100	0	1	10.55%	-	89.45%	95.28%
Formadora	100	100	0	1	11.31%	-	88.69%	95.04%
Drain	100	100	0	1	100.00%	-	0.00%	0.00%

### Material Flow Properties

Object	Rotation Empty		Rotation Loaded	
	Portion	Sum	Portion	Sum
Turnplate	-	-	4.22%	3:20:00.0000

### Rotation Time

Object	Portion	Count	Sum	Mean Value	Standard Deviation
PartesGato	0.00%	0	0.0000	0.0000	0.0000
PartesRepisa	0.00%	0	0.0000	0.0000	0.0000
PartesMesa	0.00%	0	0.0000	0.0000	0.0000
FresadoyCorte	4.97%	157	3:55:30.0000	1:30.0000	0.0000
Lijado	9.94%	157	7:51:00.0000	3:00.0000	0.0000
AssemblyStation	4.22%	40	3:20:00.0000	5:00.0000	0.0000
Store3	0.00%	0	0.0000	0.0000	0.0000
Turnplate	32.70%	1	1:01:50:00.0000	1:01:50:00.0000	0.0000
Inspección	0.11%	107	5:21.0000	3.0000	0.0000
Empaquetado	0.35%	100	16:40.0000	10.0000	0.0000
Formadora	0.35%	100	16:40.0000	10.0000	0.0000
Drain	0.00%	100	0.0000	0.0000	0.0000

### Working Time

Object	Portion	Count	Sum	Mean Value	Standard Deviation
PartesGato	0.00%	0	0.0000	0.0000	0.0000
PartesRepisa	0.00%	0	0.0000	0.0000	0.0000
PartesMesa	0.00%	0	0.0000	0.0000	0.0000
FresadoyCorte	0.24%	68	11:20.0000	10.0000	0.0000
Lijado	0.25%	70	11:40.0000	10.0000	0.0000
AssemblyStation	0.00%	0	0.0000	0.0000	0.0000
Store3	0.00%	0	0.0000	0.0000	0.0000
Turnplate	0.00%	0	0.0000	0.0000	0.0000
Inspección	0.00%	4	0.2000	0.0500	0.0000
Empaquetado	0.00%	0	0.0000	0.0000	0.0000
Formadora	0.00%	0	0.0000	0.0000	0.0000
Drain	0.00%	0	0.0000	0.0000	0.0000

## Set-up Time

Object	Portion	Count	Sum	Mean Value	Standard Deviation
PartesGato	0.16%	59	7:44.8071	7.8781	1.0086
PartesRepisa	0.10%	39	4:42.2037	7.2360	2.1723
PartesMesa	0.12%	58	5:40.7350	5.8747	1.8574
FresadoyCorte	0.27%	9	12:43.0000	1:24.7778	14.2459
Lijado	0.00%	0	0.0000	0.0000	0.0000
AssemblyStation	0.00%	0	0.0000	0.0000	0.0000
Store3	0.00%	0	0.0000	0.0000	0.0000
Turnplate	0.00%	0	0.0000	0.0000	0.0000
Inspección	0.00%	0	0.0000	0.0000	0.0000
Empaquetado	0.00%	0	0.0000	0.0000	0.0000
Formadora	28.65%	99	22:38:00.0432	13:43.0307	1:08:30.0717
Drain	0.00%	0	0.0000	0.0000	0.0000

## Blocked Time

Object	Portion	Count	Sum	Mean Value	Standard Deviation
PartesGato	0.00%	0	0.0000	0.0000	0.0000
PartesRepisa	0.00%	0	0.0000	0.0000	0.0000
PartesMesa	0.00%	0	0.0000	0.0000	0.0000
FresadoyCorte	0.00%	0	0.0000	0.0000	0.0000
Lijado	0.00%	0	0.0000	0.0000	0.0000
AssemblyStation	0.00%	0	0.0000	0.0000	0.0000
Store3	0.00%	0	0.0000	0.0000	0.0000
Turnplate	0.00%	0	0.0000	0.0000	0.0000
Inspección	0.00%	0	0.0000	0.0000	0.0000
Empaquetado	0.00%	0	0.0000	0.0000	0.0000
Formadora	0.00%	0	0.0000	0.0000	0.0000
Drain	0.00%	0	0.0000	0.0000	0.0000

## Stopped Time

Object	Portion	Count	Sum	Mean Value	Standard Deviation
PartesGato	6.54%	11	5:10:00.0000	28:10.9091	25:13.5749
PartesRepisa	6.54%	11	5:10:00.0000	28:10.9091	25:13.5749
PartesMesa	6.54%	11	5:10:00.0000	28:10.9091	25:13.5749
FresadoyCorte	6.54%	11	5:10:00.0000	28:10.9091	25:13.5749
Lijado	6.54%	11	5:10:00.0000	28:10.9091	25:13.5749
AssemblyStation	6.54%	11	5:10:00.0000	28:10.9091	25:13.5749
Store3	0.00%	0	0.0000	0.0000	0.0000
Turnplate	6.54%	11	5:10:00.0000	28:10.9091	25:13.5749
Inspección	6.54%	11	5:10:00.0000	28:10.9091	25:13.5749
Empaquetado	6.54%	11	5:10:00.0000	28:10.9091	25:13.5749
Formadora	6.54%	11	5:10:00.0000	28:10.9091	25:13.5749
Drain	0.00%	0	0.0000	0.0000	0.0000

## Paused Time

Object	Portion	Count	Sum	Mean Value	Standard Deviation
PartesGato	32.54%	59	1:01:42:15.1929	26:08.3931	3:02:35.4143
PartesRepisa	32.60%	35	1:01:45:17.7963	44:09.0799	3:14:30.3018
PartesMesa	32.58%	50	1:01:44:19.2650	30:53.1853	2:59:13.7922
FresadoyCorte	24.98%	95	19:44:12.0844	12:27.9167	1:41:56.6979
Lijado	22.19%	4	17:31:45.6827	4:22:56.4207	7:50:15.8704
AssemblyStation	28.48%	41	22:30:00.0000	32:55.6098	2:36:45.4829
Store3	100.00%	1	3:07:00:00.0000	3:07:00:00.0000	0.0000
Turnplate	0.00%	0	0.0000	0.0000	0.0000
Inspección	32.59%	108	1:01:44:38.8000	14:18.1370	1:07:07.3156
Empaquetado	32.35%	101	1:01:33:20.0000	15:10.8911	1:09:25.6758
Formadora	3.70%	1	2:55:19.9568	2:55:19.9568	0.0000
Drain	100.00%	101	3:07:00:00.0000	46:55.8416	3:58:27.0424

## Waiting Time

Object	Portion	Count	Sum	Mean Value	Standard Deviation
PartesGato	0.00%	0	0.0000	0.0000	0.0000
PartesRepisa	0.00%	0	0.0000	0.0000	0.0000
PartesMesa	0.00%	0	0.0000	0.0000	0.0000
FresadoyCorte	0.00%	0	0.0000	0.0000	0.0000
Lijado	0.00%	0	0.0000	0.0000	0.0000
AssemblyStation	0.00%	0	0.0000	0.0000	0.0000
Store3	0.00%	0	0.0000	0.0000	0.0000
Turnplate	0.00%	0	0.0000	0.0000	0.0000
Inspección	0.00%	0	0.0000	0.0000	0.0000
Empaquetado	0.00%	0	0.0000	0.0000	0.0000
Formadora	0.00%	0	0.0000	0.0000	0.0000
Drain	0.00%	0	0.0000	0.0000	0.0000

## Powering up/down Time

Object	Portion	Count	Sum	Mean Value	Standard Deviation
PartesGato	0.00%	0	0.0000	0.0000	0.0000
PartesRepisa	0.00%	0	0.0000	0.0000	0.0000
PartesMesa	0.00%	0	0.0000	0.0000	0.0000
FresadoyCorte	2.24%	4	1:46:14.9156	26:33.7289	25:50.0766
Lijado	0.33%	4	15:34.3173	3:53.5793	1:52.1041
AssemblyStation	0.00%	0	0.0000	0.0000	0.0000
Store3	0.00%	0	0.0000	0.0000	0.0000
Turnplate	0.00%	0	0.0000	0.0000	0.0000
Inspección	0.00%	0	0.0000	0.0000	0.0000
Empaquetado	0.00%	0	0.0000	0.0000	0.0000
Formadora	0.00%	0	0.0000	0.0000	0.0000
Drain	0.00%	0	0.0000	0.0000	0.0000

## Failed Time

Object	Portion	Count	Sum	Mean Value	Standard Deviation
PartesGato	32.54%	59	1:01:42:15.1929	26:08.3931	3:02:35.4143
PartesRepisa	32.60%	35	1:01:45:17.7963	44:09.0799	3:14:30.3018
PartesMesa	32.58%	50	1:01:44:19.2650	30:53.1853	2:59:13.7922
FresadoyCorte	24.98%	95	19:44:12.0844	12:27.9167	1:41:56.6979
Lijado	22.19%	4	17:31:41.9498	4:22:55.4875	7:50:16.4883
AssemblyStation	20.64%	1	16:18:07.4663	16:18:07.4663	0.0000
Store3	0.69%	1	32:36.0270	32:36.0270	0.0000
Turnplate	28.22%	101	22:17:30.0000	13:14.5545	1:13:59.7828
Inspección	32.59%	108	1:01:44:38.8000	14:18.1370	1:07:07.3156
Empaquetado	3.45%	2	2:43:29.9568	1:21:44.9784	1:55:22.5448
Formadora	3.70%	1	2:55:19.9568	2:55:19.9568	0.0000
Drain	100.00%	101	3:07:00:00.0000	46:55.8416	3:58:27.0424

## Empty Time

## Resource Statistics - Drain Statistics

Object	Working	Set-up	Waiting	Stopped	Failed	Paused	Mean Life Time	Mean Exit Time	Total Throughput	Throughput per Hour	Throughput per Day
Drain	0.25%	0.00%	30.30%	0.00%	0.00%	69.45%	2:15:11.9013	45:37.1621	100	1.2658228	30.379747

Cumulated Statistics of the Parts which the Drain Deleted

Object	All Types	CajaCG1	CajaCG2	CajaM	CajaR
Drain	100	30	30	20	20

Part Types which the Drain Deleted

Drain	Production							Transport							Storage						
	Working	Set-up	Waiting	Stopped	Failed	Paused	Sum	Working	Set-up	Waiting	Stopped	Failed	Paused	Sum	Working	Set-up	Waiting	Stopped	Failed	Paused	Sum
CajaCG1	0.21%	0.00%	32.33%	0.00%	0.00%	67.45%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CajaCG2	5.21%	0.00%	94.79%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CajaM	0.13%	0.00%	33.52%	0.00%	0.00%	66.35%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CajaR	0.18%	0.00%	20.01%	0.00%	0.00%	79.80%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Detailed Statistics of the Part Types which the Drain Deleted

Drain	Life Time				Exit Time				Throughput		
	Mean Value	Standard Deviation	Minimum	Maximum	Mean Value	Standard Deviation	Minimum	Maximum	Total	Per Hour	Per Day
CajaCG1	2:35:39.7649	7:36:25.3270	21.0000	1:01:10:17.9911	53:44.1373	4:37:28.9749	11.0000	1:00:56:27.5683	30	0.37974684	9.1139241
CajaCG2	6:24.0000	1:12.6584	4:00.0000	8:00.0000	2:12.0345	37.3783	1:49.0500	4:00.0000	30	0.37974684	9.1139241
CajaM	4:08:41.8926	9:30:49.1224	33.0000	1:02:57:48.2838	1:27:27.8044	5:52:28.5689	11.0000	1:01:41:48.3338	20	0.25316456	6.0759494
CajaR	3:04:11.9666	6:43:18.6725	12:11.0000	18:43:48.7771	1:04:49.9356	4:13:32.6975	6:00.0000	18:31:48.7771	20	0.25316456	6.0759494

## Service Statistics - Importer Statistics

Object	Total Delay	Reason for the Delay		
		Waiting for Services and Parts	Waiting for Parts	Waiting for Set-up Exporters
PartesGato	0.00%	0.00%	0.00%	0.00%
PartesRepisa	0.00%	0.00%	0.00%	0.00%
PartesMesa	0.00%	0.00%	0.00%	0.00%
FresadoyCorte	0.00%	0.00%	0.00%	0.00%
Lijado	0.00%	0.00%	0.00%	0.00%
AssemblyStation	7.85%	7.85%	7.85%	0.00%
Store3	0.00%	0.00%	0.00%	0.00%
Inspección	0.00%	0.00%	0.00%	0.00%
Empaquetado	28.90%	28.90%	28.90%	0.00%
Formadora	0.00%	0.00%	0.00%	0.00%

Importers Waiting for Services and Parts

Object	Waiting for Services and Parts	Count	Sum	Mean Value	Standard Deviation
PartesGato	0.00%	0	0.0000	0.0000	0.0000
PartesRepisa	0.00%	0	0.0000	0.0000	0.0000
PartesMesa	0.00%	0	0.0000	0.0000	0.0000
FresadoyCorte	0.00%	0	0.0000	0.0000	0.0000
Lijado	0.00%	0	0.0000	0.0000	0.0000
AssemblyStation	7.85%	40	6:11:52.5337	9:17.8133	41:30.4113
Store3	0.00%	0	0.0000	0.0000	0.0000
Inspección	0.00%	0	0.0000	0.0000	0.0000
Empaquetado	28.90%	100	22:49:50.0432	13:41.9004	1:08:09.2767
Formadora	0.00%	0	0.0000	0.0000	0.0000

Waiting Times for Services and Parts

Object	Waiting for Parts	Count	Sum	Mean Value	Standard Deviation
PartesGato	0.00%	0	0.0000	0.0000	0.0000
PartesRepisa	0.00%	0	0.0000	0.0000	0.0000
PartesMesa	0.00%	0	0.0000	0.0000	0.0000
FresadoyCorte	0.00%	0	0.0000	0.0000	0.0000
Lijado	0.00%	0	0.0000	0.0000	0.0000
AssemblyStation	7.85%	40	6:11:52.5337	9:17.8133	41:30.4113
Store3	0.00%	0	0.0000	0.0000	0.0000
Inspección	0.00%	0	0.0000	0.0000	0.0000
Empaquetado	28.90%	100	22:49:50.0432	13:41.9004	1:08:09.2767
Formadora	0.00%	0	0.0000	0.0000	0.0000

## Waiting Times for Parts

Object	Waiting for Set-up Exporters	Count	Sum	Mean Value	Standard Deviation	Waiting Time while the Resource Waited	Waiting Time while the Resource Worked	Waiting Time while the Resource was Blocked
PartesGato	0.00%	0	0.0000	0.0000	0.0000	0.00%	0.00%	0.00%
PartesRepisa	0.00%	0	0.0000	0.0000	0.0000	0.00%	0.00%	0.00%
PartesMesa	0.00%	0	0.0000	0.0000	0.0000	0.00%	0.00%	0.00%
FresadoyCorte	0.00%	0	0.0000	0.0000	0.0000	0.00%	0.00%	0.00%
Lijado	0.00%	1	3.7329	3.7329	0.0000	0.00%	0.00%	0.00%
AssemblyStation	0.00%	0	0.0000	0.0000	0.0000	0.00%	0.00%	0.00%
Store3	0.00%	0	0.0000	0.0000	0.0000	0.00%	0.00%	0.00%
Inspección	0.00%	0	0.0000	0.0000	0.0000	0.00%	0.00%	0.00%
Empaquetado	0.00%	0	0.0000	0.0000	0.0000	0.00%	0.00%	0.00%
Formadora	0.00%	0	0.0000	0.0000	0.0000	0.00%	0.00%	0.00%

## Waiting Times for Set-up Exporters