

## Tecnomatix Plant Simulation 2302 Statistics

Created on	jueves, 27 de junio de 2024 0:24
Model name	D:\OneDrive - Universidad Nacional de Colombia\Documentos\U\APM\Proyecto de Curso\Simulaciones\LayoutAuto2.spp
Simulation time	366:00:00:00.0000

### Resource Statistics - Resource Statistics

Object	Working	Set-up	Waiting	Blocked	Powering up/down	Failed	Stopped	Paused	Unplanned	Portion
Source	0.00%	0.00%	82.93%	17.07%	0.00%	0.00%	0.00%	0.00%	0.00%	
Source1	0.00%	0.00%	82.93%	17.07%	0.00%	0.00%	0.00%	0.00%	0.00%	
Source2	0.00%	0.00%	82.93%	17.07%	0.00%	0.00%	0.00%	0.00%	0.00%	
Prensa	3.56%	0.00%	85.92%	0.76%	0.00%	9.77%	0.00%	0.00%	0.00%	
Secadora	80.26%	0.00%	7.74%	1.28%	0.00%	10.73%	0.00%	0.00%	0.00%	
EsmaltadoBase	15.98%	0.00%	69.45%	10.04%	0.00%	4.52%	0.00%	0.00%	0.00%	
Impresora	6.66%	0.00%	51.24%	12.14%	0.00%	29.96%	0.00%	0.00%	0.00%	
EsmaltadoAcabado	15.98%	0.00%	58.85%	20.65%	0.00%	4.52%	0.00%	0.00%	0.00%	
Relieve	6.38%	0.00%	58.81%	4.40%	0.00%	30.41%	0.00%	0.00%	0.00%	
Horno	59.72%	0.00%	26.43%	4.35%	0.00%	9.50%	0.00%	0.00%	0.00%	
Pulido	6.64%	0.00%	67.06%	6.71%	0.00%	19.60%	0.00%	0.00%	0.00%	
Ensamble1	10.03%	0.00%	85.71%	0.00%	0.00%	4.25%	0.00%	0.00%	0.00%	
Ensamble2	10.04%	0.00%	84.68%	0.00%	0.00%	5.28%	0.00%	0.00%	0.00%	
Ensamble3	10.05%	0.00%	83.89%	0.00%	0.00%	6.06%	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
Source	702720	702720	0	1	82.93%	-	17.07%	17.07%
Source1	702720	702720	0	1	82.93%	-	17.07%	17.07%
Source2	702720	702720	0	1	82.93%	-	17.07%	17.07%
Prensa	2108160	2108160	0	3	77.01%	-	13.49%	13.82%
Secadora	2107278	2107139	0	1500	8.27%	-	15.45%	15.05%
EsmaltadoBase	2107139	2107139	0	16	72.57%	-	14.91%	15.05%
Impresora	2107139	2107139	0	1	73.16%	-	26.84%	26.18%
EsmaltadoAcabado	2107139	2107139	0	16	61.24%	-	33.25%	32.88%
Relieve	702659	702659	0	4	84.48%	-	11.62%	11.38%
Horno	2107139	2107139	0	1200	26.21%	-	37.26%	37.53%
Pulido	701760	701760	0	4	83.35%	-	13.71%	13.29%
Ensamble1	116961	116960	0	1	0.02%	-	99.98%	99.98%
Ensamble2	116980	116979	0	1	0.08%	-	99.92%	99.93%
Ensamble3	117121	117120	0	1	0.06%	-	99.94%	99.94%

#### Material Flow Properties

Object	Portion	Count	Sum	Mean Value	Standard Deviation
Source	0.00%	0	0.0000	0.0000	0.0000
Source1	0.00%	0	0.0000	0.0000	0.0000
Source2	0.00%	0	0.0000	0.0000	0.0000
Prensa	3.56%	702720	13:00:19:11.9999	1.6000	0.0000
Secadora	80.26%	191	293:17:42:51.2617	1:12:54:34.1951	1:13:15:07.9185
EsmaltadoBase	15.98%	2105502	58:11:44:13.5753	2.4001	0.0168
Impresora	6.66%	2107139	24:09:18:59.0000	1.0000	0.0000
EsmaltadoAcabado	15.98%	2105891	58:11:59:01.5970	2.4001	0.0150
Relieve	6.38%	148487	23:08:18:48.5125	13.5845	2:10.1158
Horno	59.72%	973	218:13:49:07.6973	5:23:28.9904	4:18:27.1336
Pulido	6.64%	668741	24:06:50:46.4494	3.1376	4.4090
Ensamble1	10.03%	116960	36:17:25:24.8000	27.1300	0.0000
Ensamble2	10.04%	116980	36:17:34:11.0598	27.1299	0.0478
Ensamble3	10.05%	117120	36:18:37:45.6000	27.1300	0.0000

## Working Time

Object	Portion	Count	Sum	Mean Value	Standard Deviation
Source	0.00%	0	0.0000	0.0000	0.0000
Source1	0.00%	0	0.0000	0.0000	0.0000
Source2	0.00%	0	0.0000	0.0000	0.0000
Prensa	0.00%	0	0.0000	0.0000	0.0000
Secadora	0.00%	0	0.0000	0.0000	0.0000
EsmaltadoBase	0.00%	0	0.0000	0.0000	0.0000
Impresora	0.00%	0	0.0000	0.0000	0.0000
EsmaltadoAcabado	0.00%	0	0.0000	0.0000	0.0000
Relieve	0.00%	0	0.0000	0.0000	0.0000
Horno	0.00%	0	0.0000	0.0000	0.0000
Pulido	0.00%	0	0.0000	0.0000	0.0000
Ensamble1	0.00%	0	0.0000	0.0000	0.0000
Ensamble2	0.00%	0	0.0000	0.0000	0.0000
Ensamble3	0.00%	0	0.0000	0.0000	0.0000

## Set-up Time

Object	Portion	Count	Sum	Mean Value	Standard Deviation
Source	82.93%	582909	303:12:27:37.0460	44.9883	0.5901
Source1	82.93%	582909	303:12:27:37.0460	44.9883	0.5901
Source2	82.93%	582909	303:12:27:37.0460	44.9883	0.5901
Prensa	85.92%	702720	314:11:13:08.2619	38.6640	3:10.6790
Secadora	7.74%	155	28:07:33:37.5619	4:23:03.3391	3:35:41.9290
EsmaltadoBase	69.45%	1670721	254:04:50:18.7535	13.1458	4:59.3247
Impresora	51.24%	1077558	187:12:59:15.4736	15.0373	4:47.2472
EsmaltadoAcabado	58.85%	732045	215:09:00:35.9249	25.4198	9:17.2847
Relieve	58.81%	46079	215:06:14:16.9252	6:43.6211	53:34.4057
Horno	26.43%	914	96:17:26:03.6612	2:32:23.5051	2:36:36.1553
Pulido	67.06%	311186	245:10:06:47.9714	1:08.1406	22:50.6518
Ensamble1	85.71%	116961	313:17:07:33.9671	3:51.7427	46:16.3386
Ensamble2	84.68%	116980	309:22:22:00.0803	3:48.9120	49:26.8101
Ensamble3	83.89%	117121	307:00:37:59.0174	3:46.4929	43:50.6512

## Waiting Time

Object	Portion	Count	Sum	Mean Value	Standard Deviation
Source	17.07%	120112	62:11:32:22.9540	44.9442	16:38.0250
Source1	17.07%	120112	62:11:32:22.9540	44.9442	16:38.0250
Source2	17.07%	120112	62:11:32:22.9540	44.9442	16:38.0250
Prensa	0.76%	119996	2:18:31:58.1833	1.9961	1:17.2654
Secadora	1.28%	36	4:16:02:46.7948	3:06:44.6332	4:57:39.6106
EsmaltadoBase	10.04%	435133	36:18:07:52.6485	7.2982	5:59.3639
Impresora	12.14%	1029761	44:10:00:37.6398	3.7267	2:47.6927
EsmaltadoAcabado	20.65%	1375063	75:13:52:14.7201	4.7488	3:51.6699
Relieve	4.40%	102545	16:02:33:10.1909	13.5705	6:21.4014
Horno	4.35%	60	15:22:31:22.0313	6:22:31.3672	6:34:25.4532
Pulido	6.71%	358219	24:13:36:29.5635	5.9254	5:01.7842
Ensamble1	0.00%	0	0.0000	0.0000	0.0000
Ensamble2	0.00%	0	0.0000	0.0000	0.0000
Ensamble3	0.00%	0	0.0000	0.0000	0.0000

## Blocked Time

Object	Portion	Count	Sum	Mean Value	Standard Deviation
Source	0.00%	0	0.0000	0.0000	0.0000
Source1	0.00%	0	0.0000	0.0000	0.0000
Source2	0.00%	0	0.0000	0.0000	0.0000
Prensa	0.00%	0	0.0000	0.0000	0.0000
Secadora	0.00%	0	0.0000	0.0000	0.0000
EsmaltadoBase	0.00%	0	0.0000	0.0000	0.0000
Impresora	0.00%	0	0.0000	0.0000	0.0000
EsmaltadoAcabado	0.00%	0	0.0000	0.0000	0.0000
Relieve	0.00%	0	0.0000	0.0000	0.0000
Horno	0.00%	0	0.0000	0.0000	0.0000
Pulido	0.00%	0	0.0000	0.0000	0.0000
Ensamble1	0.00%	0	0.0000	0.0000	0.0000
Ensamble2	0.00%	0	0.0000	0.0000	0.0000
Ensamble3	0.00%	0	0.0000	0.0000	0.0000

## Powering up/down Time

Object	Portion	Count	Sum	Mean Value	Standard Deviation
Source	0.00%	0	0.0000	0.0000	0.0000
Source1	0.00%	0	0.0000	0.0000	0.0000
Source2	0.00%	0	0.0000	0.0000	0.0000
Prensa	0.00%	0	0.0000	0.0000	0.0000
Secadora	0.00%	0	0.0000	0.0000	0.0000
EsmaltadoBase	0.00%	0	0.0000	0.0000	0.0000
Impresora	0.00%	0	0.0000	0.0000	0.0000
EsmaltadoAcabado	0.00%	0	0.0000	0.0000	0.0000
Relieve	0.00%	0	0.0000	0.0000	0.0000
Horno	0.00%	0	0.0000	0.0000	0.0000
Pulido	0.00%	0	0.0000	0.0000	0.0000
Ensamble1	0.00%	0	0.0000	0.0000	0.0000
Ensamble2	0.00%	0	0.0000	0.0000	0.0000
Ensamble3	0.00%	0	0.0000	0.0000	0.0000

## Stopped Time

Object	Portion	Count	Sum	Mean Value	Standard Deviation
Source	0.00%	0	0.0000	0.0000	0.0000
Source1	0.00%	0	0.0000	0.0000	0.0000
Source2	0.00%	0	0.0000	0.0000	0.0000
Prensa	9.77%	166	35:17:55:41.5549	5:10:05.6720	3:44:09.7518
Secadora	10.73%	195	39:06:40:44.3816	4:50:03.3045	3:20:26.0849
EsmaltadoBase	4.52%	137	16:13:17:35.0227	2:53:59.8177	1:51:09.7333
Impresora	29.96%	1063	109:15:41:07.8866	2:28:32.5756	1:44:44.7752
EsmaltadoAcabado	4.52%	130	16:13:08:07.7581	3:03:17.5981	2:13:23.7297
Relieve	30.41%	427	111:06:53:44.3713	6:15:18.0899	4:14:49.4169
Horno	9.50%	280	34:18:13:26.6102	2:58:45.7379	2:11:27.9085
Pulido	19.60%	423	71:17:25:56.0157	4:04:10.4870	2:58:54.7612
Ensamble1	4.25%	44	15:13:27:01.2329	8:29:15.0280	6:03:14.1702
Ensamble2	5.28%	48	19:08:03:48.8599	9:40:04.7679	8:10:21.8359
Ensamble3	6.06%	54	22:04:44:15.3826	9:51:55.8404	7:39:23.0926

## Failed Time

Object	Portion	Count	Sum	Mean Value	Standard Deviation
Source	0.00%	0	0.0000	0.0000	0.0000
Source1	0.00%	0	0.0000	0.0000	0.0000
Source2	0.00%	0	0.0000	0.0000	0.0000
Prensa	0.00%	0	0.0000	0.0000	0.0000
Secadora	0.00%	0	0.0000	0.0000	0.0000
EsmaltadoBase	0.00%	0	0.0000	0.0000	0.0000
Impresora	0.00%	0	0.0000	0.0000	0.0000
EsmaltadoAcabado	0.00%	0	0.0000	0.0000	0.0000
Relieve	0.00%	0	0.0000	0.0000	0.0000
Horno	0.00%	0	0.0000	0.0000	0.0000
Pulido	0.00%	0	0.0000	0.0000	0.0000
Ensamble1	0.00%	0	0.0000	0.0000	0.0000
Ensamble2	0.00%	0	0.0000	0.0000	0.0000
Ensamble3	0.00%	0	0.0000	0.0000	0.0000

## Paused Time

Object	Portion	Count	Sum	Mean Value	Standard Deviation
Source	82.93%	582909	303:12:27:37.0460	44.9883	0.5901
Source1	82.93%	582909	303:12:27:37.0460	44.9883	0.5901
Source2	82.93%	582909	303:12:27:37.0460	44.9883	0.5901
Prensa	69.49%	582736	254:07:41:15.1346	37.7071	0.5668
Secadora	7.38%	152	27:00:30:51.8823	4:15:59.5519	3:38:55.3256
EsmaltadoBase	69.29%	1664379	253:14:38:02.8946	13.1652	4:59.6044
Impresora	51.24%	1077558	187:12:59:15.4736	15.0373	4:47.2472
EsmaltadoAcabado	58.47%	696530	214:00:13:47.9319	26.5465	9:30.3099
Relieve	58.79%	46060	215:04:25:41.3198	6:43.6461	53:34.5466
Horno	23.72%	811	86:19:45:29.6420	2:34:09.7283	2:39:08.4097
Pulido	67.01%	310692	245:06:19:01.2168	1:08.2050	22:51.3617
Ensamble1	0.02%	1	1:39:00.0000	1:39:00.0000	0.0000
Ensamble2	0.07%	202	6:14:25.9660	1:51.2177	6:52.1769
Ensamble3	0.06%	161	4:53:15.3600	1:49.2880	7:51.9129

## Empty Time

## Service Statistics - Importer Statistics

Object	Total Delay	Reason for the Delay		
		Waiting for Services and Parts	Waiting for Parts	Waiting for Set-up Exporters
Source	0.00%	0.00%	0.00%	0.00%
Source1	0.00%	0.00%	0.00%	0.00%
Source2	0.00%	0.00%	0.00%	0.00%
Prensa	0.00%	0.00%	0.00%	0.00%
Secadora	0.00%	0.00%	0.00%	0.00%
EsmaltadoBase	0.00%	0.00%	0.00%	0.00%
Impresora	0.00%	0.00%	0.00%	0.00%
EsmaltadoAcabado	0.00%	0.00%	0.00%	0.00%
Relieve	0.00%	0.00%	0.00%	0.00%
Horno	0.00%	0.00%	0.00%	0.00%
Pulido	0.00%	0.00%	0.00%	0.00%
Ensamble1	85.70%	85.70%	85.70%	0.00%
Ensamble2	84.61%	84.61%	84.61%	0.00%
Ensamble3	83.83%	83.83%	83.83%	0.00%

### Importers Waiting for Services and Parts

Object	Waiting for Services and Parts	Count	Sum	Mean Value	Standard Deviation
Source	0.00%	0	0.0000	0.0000	0.0000
Source1	0.00%	0	0.0000	0.0000	0.0000
Source2	0.00%	0	0.0000	0.0000	0.0000
Prensa	0.00%	0	0.0000	0.0000	0.0000
Secadora	0.00%	0	0.0000	0.0000	0.0000
EsmaltadoBase	0.00%	0	0.0000	0.0000	0.0000
Impresora	0.00%	0	0.0000	0.0000	0.0000
EsmaltadoAcabado	0.00%	0	0.0000	0.0000	0.0000
Relieve	0.00%	0	0.0000	0.0000	0.0000
Horno	0.00%	0	0.0000	0.0000	0.0000
Pulido	0.00%	0	0.0000	0.0000	0.0000
Ensamble1	85.70%	116961	313:15:28:33.9671	3:51.6919	46:15.4060
Ensamble2	84.61%	116980	309:16:07:34.1143	3:48.7199	49:26.3950
Ensamble3	83.83%	117121	306:19:44:43.6574	3:46.3427	43:50.5954

### Waiting Times for Services and Parts

Object	Waiting for Parts	Count	Sum	Mean Value	Standard Deviation
Source	0.00%	0	0.0000	0.0000	0.0000
Source1	0.00%	0	0.0000	0.0000	0.0000
Source2	0.00%	0	0.0000	0.0000	0.0000
Prensa	0.00%	0	0.0000	0.0000	0.0000
Secadora	0.00%	0	0.0000	0.0000	0.0000
EsmaltadoBase	0.00%	0	0.0000	0.0000	0.0000
Impresora	0.00%	0	0.0000	0.0000	0.0000
EsmaltadoAcabado	0.00%	0	0.0000	0.0000	0.0000
Relieve	0.00%	0	0.0000	0.0000	0.0000
Horno	0.00%	0	0.0000	0.0000	0.0000
Pulido	0.00%	0	0.0000	0.0000	0.0000
Ensamble1	85.70%	116961	313:15:28:33.9671	3:51.6919	46:15.4060
Ensamble2	84.61%	116980	309:16:07:34.1143	3:48.7199	49:26.3950
Ensamble3	83.83%	117121	306:19:44:43.6574	3:46.3427	43:50.5954

### 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
Source	0.00%	0	0.0000	0.0000	0.0000	0.00%	0.00%	0.00%
Source1	0.00%	0	0.0000	0.0000	0.0000	0.00%	0.00%	0.00%
Source2	0.00%	0	0.0000	0.0000	0.0000	0.00%	0.00%	0.00%
Prensa	0.00%	0	0.0000	0.0000	0.0000	0.00%	0.00%	0.00%
Secadora	0.00%	0	0.0000	0.0000	0.0000	0.00%	0.00%	0.00%
EsmaltadoBase	0.00%	0	0.0000	0.0000	0.0000	0.00%	0.00%	0.00%
Impresora	0.00%	0	0.0000	0.0000	0.0000	0.00%	0.00%	0.00%
EsmaltadoAcabado	0.00%	0	0.0000	0.0000	0.0000	0.00%	0.00%	0.00%
Relieve	0.00%	0	0.0000	0.0000	0.0000	0.00%	0.00%	0.00%
Horno	0.00%	0	0.0000	0.0000	0.0000	0.00%	0.00%	0.00%
Pulido	0.00%	0	0.0000	0.0000	0.0000	0.00%	0.00%	0.00%
Ensamble1	0.00%	0	0.0000	0.0000	0.0000	0.00%	0.00%	0.00%
Ensamble2	0.00%	0	0.0000	0.0000	0.0000	0.00%	0.00%	0.00%
Ensamble3	0.00%	0	0.0000	0.0000	0.0000	0.00%	0.00%	0.00%

### Waiting Times for Set-up Exporters