Tecnomatix Plant Simulation 2302 Statistics

Created on	miércoles, 26 de junio de 2024 21:03
Model name	D:\OneDrive - Universidad Nacional de Colombia\Documentos\U\APM\Proyecto de Curso\Simulaciones\LayoutAuto1.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%	85.55%	14.45%	0.00%	0.00%	0.00%	0.00%	0.00%	
Source1	0.00%	0.00%	85.55%	14.45%	0.00%	0.00%	0.00%	0.00%	0.00%	
Source2	0.00%	0.00%	85.55%	14.45%	0.00%	0.00%	0.00%	0.00%	0.00%	
Prensa	2.67%	0.00%	86.84%	0.72%	0.00%	9.77%	0.00%	0.00%	0.00%	
Secadora	81.26%	0.00%	7.81%	0.19%	0.00%	10.73%	0.00%	0.00%	0.00%	
EsmaltadoBase	11.98%	0.00%	78.38%	5.12%	0.00%	4.52%	0.00%	0.00%	0.00%	
Impresora	5.00%	0.00%	57.19%	7.85%	0.00%	29.96%	0.00%	0.00%	0.00%	
EsmaltadoAcabado	11.99%	0.00%	67.72%	15.77%	0.00%	4.52%	0.00%	0.00%	0.00%	
Relieve	4.99%	0.00%	62.54%	2.06%	0.00%	30.41%	0.00%	0.00%	0.00%	
Horno	59.35%	0.00%	28.55%	2.61%	0.00%	9.50%	0.00%	0.00%	0.00%	
Pulido	4.99%	0.00%	70.36%	5.06%	0.00%	19.60%	0.00%	0.00%	0.00%	
Ensamble1	7.53%	0.00%	88.22%	0.00%	0.00%	4.25%	0.00%	0.00%	0.00%	
Ensamble2	7.54%	0.00%	87.18%	0.00%	0.00%	5.28%	0.00%	0.00%	0.00%	
Ensamble3	7.54%	0.00%	86.40%	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	527040	527040	0	1	85.55%	-	14.45%	14.45%
Source1	527040	527040	0	1	85.55%	-	14.45%	14.45%
Source2	527040	527040	0	1	85.55%	-	14.45%	14.45%
Prensa	1581120	1581120	0	3	81.03%	-	11.06%	10.88%
Secadora	1580460	1580355	0	1500	8.56%	-	9.73%	9.60%
EsmaltadoBase	1580355	1580355	0	16	81.96%	-	7.75%	7.96%
Impresora	1580355	1580355	0	1	81.66%	-	18.34%	18.15%
EsmaltadoAcabado	1580355	1580355	0	16	70.35%	-	24.49%	24.40%
Relieve	527040	527040	0	4	89.84%	-	6.82%	6.97%
Horno	1580355	1580355	0	1200	28.23%	-	27.01%	27.27%
Pulido	526275	526275	0	4	87.45%	-	10.19%	10.50%
Ensamble1	87713	87712	0	1	0.02%	-	99.98%	99.98%
Ensamble2	87841	87840	0	1	0.02%	-	99.98%	99.98%
Ensamble3	87841	87840	0	1	0.05%	-	99.95%	99.96%

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	2.67%	527040	9:18:14:24.0001	1.6000	0.0000
Secadora	81.26%	164	297:10:03:36.9477	1:19:31:29.1277	1:14:36:43.9660
EsmaltadoBase	11.98%	1578609	43:20:28:45.5250	2.4002	0.0200
Impresora	5.00%	1580355	18:06:59:15.0000	1.0000	0.0000
EsmaltadoAcabado	11.99%	1579066	43:20:45:54.5506	2.4001	0.0171
Relieve	4.99%	525979	18:06:32:24.1476	3.0015	0.0675
Horno	59.35%	1010	217:05:31:34.7009	5:09:42.8660	4:07:13.0065
Pulido	4.99%	525481	18:06:04:03.1350	3.0011	0.0582
Ensamble1	7.53%	87712	27:13:00:26.5600	27.1300	0.0000
Ensamble2	7.54%	87840	27:13:58:19.2000	27.1300	0.0000
Ensamble3	7.54%	87840	27:13:58:19.2000	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	85.55%	451022	313:02:48:13.1572	59.9822	0.8493
Source1	85.55%	451022	313:02:48:13.1572	59.9822	0.8493
Source2	85.55%	451022	313:02:48:13.1572	59.9822	0.8493
Prensa	86.84%	527040	317:20:21:09.4960	52.1062	2:30.3422
Secadora	7.81%	156	28:14:10:27.5903	4:23:54.7922	3:34:48.3190
EsmaltadoBase	78.38%	1374063	286:20:53:40.6390	18.0382	5:36.8493
Impresora	57.19%	897070	209:08:00:01.6881	20.1616	5:24.6719
EsmaltadoAcabado	67.72%	672212	247:20:35:30.8410	31.8574	10:04.8881
Relieve	62.54%	326532	228:21:22:56.9581	1:00.5643	22:08.3253
Horno	28.55%	978	104:11:25:23.7156	2:33:49.7789	2:33:15.5525
Pulido	70.36%	265236	257:12:23:48.9716	1:23.8854	27:17.4020
Ensamble1	88.22%	87713	322:21:32:32.2071	5:18.0641	57:38.6768
Ensamble2	87.18%	87841	319:01:57:51.9401	5:13.8474	1:00:40.1876
Ensamble3	86.40%	87841	316:05:17:25.4174	5:11.0330	56:18.1563

Waiting Time

Object	Portion	Count	Sum	Mean Value	Standard Deviation
Source	14.45%	76289	52:21:11:46.8428	59.8921	19:12.3341
Source1	14.45%	76289	52:21:11:46.8428	59.8921	19:12.3341
Source2	14.45%	76289	52:21:11:46.8428	59.8921	19:12.3341
Prensa	0.72%	76164	2:15:28:44.9490	3.0004	2:18.0891
Secadora	0.19%	8	17:05:11.0804	2:08:08.8850	4:26:53.1986
EsmaltadoBase	5.12%	204824	18:17:19:58.8134	7.8975	5:47.6193
Impresora	7.85%	683419	28:17:19:35.4253	3.6311	2:12.6257
EsmaltadoAcabado	15.77%	908081	57:17:30:26.8504	5.4927	3:07.0464
Relieve	2.06%	199765	7:13:10:54.5229	3.2651	2:40.2849
Horno	2.61%	33	9:12:49:34.9734	6:56:02.8780	7:00:51.5969
Pulido	5.06%	261117	18:12:06:11.8777	6.1228	5:29.0745
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	85.55%	451022	313:02:48:13.1572	59.9822	0.8493
Source1	85.55%	451022	313:02:48:13.1572	59.9822	0.8493
Source2	85.55%	451022	313:02:48:13.1572	59.9822	0.8493
Prensa	73.12%	450888	267:14:37:36.5855	51.2798	0.8291
Secadora	7.64%	155	27:22:54:12.6220	4:19:42.2750	3:36:01.8756
EsmaltadoBase	78.25%	1370596	286:09:42:20.9777	18.0544	5:37.2358
Impresora	57.19%	897070	209:08:00:01.6881	20.1616	5:24.6719
EsmaltadoAcabado	67.17%	639874	245:20:31:39.8802	33.1970	10:18.7806
Relieve	62.52%	325759	228:19:55:17.0015	1:00.6919	22:09.7155
Horno	25.55%	870	93:12:07:26.9174	2:34:46.0309	2:34:04.8378
Pulido	70.32%	261362	257:08:28:30.0303	1:25.0748	27:29.0982
Ensamble1	0.02%	1	1:39:00.0000	1:39:00.0000	0.0000
Ensamble2	0.02%	34	2:01:24.1890	3:34.2409	16:51.7159
Ensamble3	0.04%	161	3:56:48.2400	1:28.2499	7:53.5813

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	88.20%	88.20%	88.20%	0.00%
Ensamble2	87.16%	87.16%	87.16%	0.00%
Ensamble3	86.35%	86.35%	86.35%	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	88.20%	87713	322:19:53:32.2071	5:17.9963	57:37.6849
Ensamble2	87.16%	87841	318:23:56:27.7511	5:13.7645	1:00:39.7314
Ensamble3	86.35%	87841	316:01:20:37.1774	5:10.8712	56:18.1000

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	88.20%	87713	322:19:53:32.2071	5:17.9963	57:37.6849
Ensamble2	87.16%	87841	318:23:56:27.7511	5:13.7645	1:00:39.7314
Ensamble3	86.35%	87841	316:01:20:37.1774	5:10.8712	56:18.1000

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