

**Tecnomatix Plant Simulation 2302 Statistics**

|                 |   |
|-----------------|---|
| Created on      | jueves, 30 de mayo de 2024 11:29 p. m.                                  |
| Model name      | C:\Users\ThinkPad\Documents\w\APMG1\Tile-Tech\anexos\new_plant_back.spp |
| Simulation time | 7:31:20.3295  |

Resource Statistics - Resource Statistics

| Object          | Working | Set-up | Waiting | Blocked | Powering up/down | Failed | Stopped | Paused | Unplanned | Portion                |
|-----------------|---------|--------|---------|---------|------------------|--------|---------|--------|-----------|------------------------|
| atomizado       | 83.76%  | 0.00%  | 0.00%   | 16.24%  | 0.00%            | 0.00%  | 0.00%   | 0.00%  | 0.00%     | <div><div></div></div> |
| Converter2      | 100.00% | 0.00%  | 0.00%   | 0.00%   | 0.00%            | 0.00%  | 0.00%   | 0.00%  | 0.00%     | <div><div></div></div> |
| Esmaltado       | 66.50%  | 0.00%  | 4.36%   | 28.61%  | 0.00%            | 0.54%  | 0.00%   | 0.00%  | 0.00%     | <div><div></div></div> |
| Drain           | 0.00%   | 0.00%  | 100.00% | 0.00%   | 0.00%            | 0.00%  | 0.00%   | 0.00%  | 0.00%     | <div><div></div></div> |
| Prensa          | 46.81%  | 0.00%  | 8.52%   | 37.49%  | 0.00%            | 7.18%  | 0.00%   | 0.00%  | 0.00%     | <div><div></div></div> |
| Esmaltado2      | 66.79%  | 0.00%  | 4.75%   | 28.40%  | 0.00%            | 0.06%  | 0.00%   | 0.00%  | 0.00%     | <div><div></div></div> |
| Conveyor        | 91.83%  | 0.00%  | 8.17%   | 0.00%   | 0.00%            | 0.00%  | 0.00%   | 0.00%  | 0.00%     | <div><div></div></div> |
| Secado          | 45.57%  | 0.00%  | 0.09%   | 54.35%  | 0.00%            | 0.00%  | 0.00%   | 0.00%  | 0.00%     | <div><div></div></div> |
| Horno           | 28.72%  | 0.00%  | 0.61%   | 70.67%  | 0.00%            | 0.00%  | 0.00%   | 0.00%  | 0.00%     | <div><div></div></div> |
| Conveyor2       | 100.00% | 0.00%  | 0.00%   | 0.00%   | 0.00%            | 0.00%  | 0.00%   | 0.00%  | 0.00%     | <div><div></div></div> |
| Conveyor3       | 100.00% | 0.00%  | 0.00%   | 0.00%   | 0.00%            | 0.00%  | 0.00%   | 0.00%  | 0.00%     | <div><div></div></div> |
| Conveyor5       | 100.00% | 0.00%  | 0.00%   | 0.00%   | 0.00%            | 0.00%  | 0.00%   | 0.00%  | 0.00%     | <div><div></div></div> |
| Conveyor4       | 100.00% | 0.00%  | 0.00%   | 0.00%   | 0.00%            | 0.00%  | 0.00%   | 0.00%  | 0.00%     | <div><div></div></div> |
| Conveyor6       | 100.00% | 0.00%  | 0.00%   | 0.00%   | 0.00%            | 0.00%  | 0.00%   | 0.00%  | 0.00%     | <div><div></div></div> |
| Station         | 0.00%   | 0.00%  | 100.00% | 0.00%   | 0.00%            | 0.00%  | 0.00%   | 0.00%  | 0.00%     | <div><div></div></div> |
| Station1        | 0.00%   | 0.00%  | 100.00% | 0.00%   | 0.00%            | 0.00%  | 0.00%   | 0.00%  | 0.00%     | <div><div></div></div> |
| Converter41111  | 100.00% | 0.00%  | 0.00%   | 0.00%   | 0.00%            | 0.00%  | 0.00%   | 0.00%  | 0.00%     | <div><div></div></div> |
| Conveyor11      | 37.77%  | 0.00%  | 62.23%  | 0.00%   | 0.00%            | 0.00%  | 0.00%   | 0.00%  | 0.00%     | <div><div></div></div> |
| sourceCajas     | 0.00%   | 0.00%  | 0.00%   | 100.00% | 0.00%            | 0.00%  | 0.00%   | 0.00%  | 0.00%     | <div><div></div></div> |
| paletizado      | 6.65%   | 0.00%  | 92.99%  | 0.00%   | 0.00%            | 0.37%  | 0.00%   | 0.00%  | 0.00%     | <div><div></div></div> |
| Converter411111 | 100.00% | 0.00%  | 0.00%   | 0.00%   | 0.00%            | 0.00%  | 0.00%   | 0.00%  | 0.00%     | <div><div></div></div> |
| Embalaje        | 23.26%  | 0.00%  | 73.49%  | 2.54%   | 0.00%            | 0.70%  | 0.00%   | 0.00%  | 0.00%     | <div><div></div></div> |
| Embalaje1       | 87.05%  | 0.00%  | 11.62%  | 0.00%   | 0.00%            | 1.33%  | 0.00%   | 0.00%  | 0.00%     | <div><div></div></div> |

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 |
|-----------------|-------------------|-----------------|------------------|------------------|----------------|---------------|---|--|
| atomizado       | 2984              | 2983            | 0                | 1                | 0.00%          | -             | 100.00%                                   | 100.00%                                |
| Converter2      | 2983              | 2962            | 0                | 21               | 25.57%         | -             | -   | -                                      |
| Esmaltado       | 7203              | 7202            | 0                | 1                | 4.38%          | -             | 95.62%                                    | 95.64%                                 |
| Drain           | 480               | 480             | 0                | 1                | 100.00%        | -             | 0.00%                                     | 0.00%                                  |
| Prensa          | 2962              | 14806           | 0                | 5                | 9.18%          | -             | 90.82%                                    | 91.14%                                 |
| Esmaltado2      | 7235              | 7234            | 0                | 1                | 4.75%          | -             | 95.25%                                    | 95.25%                                 |
| Conveyor        | 9848              | 9825            | 0                | 23               | 1.28%          | -             | 27.41%                                    | 27.41%                                 |
| Secado          | 14749             | 14499           | 0                | 251              | 0.09%          | -             | 82.37%                                    | 82.37%                                 |
| Horno           | 14289             | 13539           | 0                | 750              | 0.61%          | -             | 90.67%                                    | 90.67%                                 |
| Conveyor2       | 7234              | 7141            | 0                | 94               | 0.71%          | -             | 77.68%                                    | 77.68%                                 |
| Conveyor3       | 7202              | 7148            | 0                | 54               | 0.78%          | -             | 75.98%                                    | 75.98%                                 |
| Conveyor5       | 7250              | 7235            | 0                | 19               | 1.32%          | -             | 26.76%                                    | 26.76%                                 |
| Conveyor4       | 7249              | 7203            | 0                | 46               | 0.93%          | -             | 79.84%                                    | 79.84%                                 |
| Conveyor6       | 14806             | 14749           | 0                | 57               | 1.87%          | -             | 69.92%                                    | 69.92%                                 |
| Station         | 0                 | 0               | 0                | 0                | 100.00%        | -             | 0.00%                                     | 0.00%                                  |
| Station1        | 0                 | 0               | 0                | 0                | 100.00%        | -             | 0.00%                                     | 0.00%                                  |
| Converter41111  | 125               | 106             | 0                | 19               | 0.00%          | -             | -   | -                                      |
| Conveyor11      | 3691              | 3686            | 0                | 6                | 1.29%          | -             | 26.28%                                    | 26.28%                                 |
| sourceCajas     | 538               | 537             | 0                | 1                | 0.00%          | -             | 100.00%                                   | 100.00%                                |
| paletizado      | 497               | 480             | 0                | 80               | 1.85%          | -             | 51.93%                                    | 51.81%                                 |
| Converter411111 | 412               | 393             | 0                | 19               | 0.00%          | -             | -   | -                                      |
| Embalaje        | 106               | 105             | 0                | 1                | 0.00%          | -             | 100.00%                                   | 100.00%                                |
| Embalaje1       | 393               | 392             | 0                | 1                | 0.00%          | -             | 100.00%                                   | 100.00%                                |

Material Flow Properties

| Object          | Moving Empty |        | Moving Loaded |        |
|-----------------|--------------|--------|---------------|--------|
|                 | Portion      | Sum    | Portion       | Sum    |
| Converter2      | 0.00%        | 0.0000 | 0.00%         | 0.0000 |
| Converter41111  | 0.00%        | 0.0000 | 0.00%         | 0.0000 |
| Converter411111 | 0.00%        | 0.0000 | 0.00%         | 0.0000 |

Moving Time

| Object          | Portion | Count | Sum          | Mean Value   | Standard Deviation |
|-----------------|---------|-------|--------------|--------------|--------------------|
| atomizado       | 83.76%  | 5967  | 6:18:02.1128 | 3.8013       | 3.8010             |
| Converter2      | 100.00% | 1     | 7:31:20.3295 | 7:31:20.3295 | 0.0000             |
| Esmaltado       | 66.50%  | 7203  | 5:00:07.5000 | 2.5000       | 0.0000             |
| Drain           | 0.00%   | 480   | 0.0000       | 0.0000       | 0.0000             |
| Prensa          | 46.81%  | 2962  | 3:31:17.3600 | 4.2800       | 0.0000             |
| Esmaltado2      | 66.79%  | 7235  | 5:01:27.5000 | 2.5000       | 0.0000             |
| Conveyor        | 91.83%  | 9848  | 6:54:28.9512 | 2.5253       | 12.4218            |
| Secado          | 45.57%  | 4912  | 3:25:40.0303 | 2.5122       | 1:34.5049          |
| Horno           | 28.72%  | 347   | 2:09:37.6292 | 22.4139      | 4:06.3317          |
| Conveyor2       | 100.00% | 1     | 7:31:20.3295 | 7:31:20.3295 | 0.0000             |
| Conveyor3       | 100.00% | 1     | 7:31:20.3295 | 7:31:20.3295 | 0.0000             |
| Conveyor5       | 100.00% | 1     | 7:31:20.3295 | 7:31:20.3295 | 0.0000             |
| Conveyor4       | 100.00% | 1     | 7:31:20.3295 | 7:31:20.3295 | 0.0000             |
| Conveyor6       | 100.00% | 1     | 7:31:20.3295 | 7:31:20.3295 | 0.0000             |
| Station         | 0.00%   | 0     | 0.0000       | 0.0000       | 0.0000             |
| Station1        | 0.00%   | 0     | 0.0000       | 0.0000       | 0.0000             |
| Converter41111  | 100.00% | 1     | 7:31:20.3295 | 7:31:20.3295 | 0.0000             |
| Conveyor11      | 37.77%  | 3531  | 2:50:29.4555 | 2.8970       | 13.8776            |
| sourceCajas     | 0.00%   | 0     | 0.0000       | 0.0000       | 0.0000             |
| paletizado      | 6.65%   | 6     | 30:00.0000   | 5:00.0000    | 0.0000             |
| Converter411111 | 100.00% | 1     | 7:31:20.3295 | 7:31:20.3295 | 0.0000             |
| Embalaje        | 23.26%  | 105   | 1:45:00.0000 | 1:00.0000    | 0.0000             |
| Embalaje1       | 87.05%  | 393   | 6:32:52.7858 | 59.9816      | 0.3639             |

Working Time

| Object          | Portion | Count | Sum    | Mean Value | Standard Deviation |
|-----------------|---------|-------|--------|------------|--------------------|
| atomizado       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Converter2      | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Esmaltado       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Drain           | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Prensa          | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Esmaltado2      | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor        | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Secado          | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Horno           | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor2       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor3       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor5       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor4       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor6       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Station         | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Station1        | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Converter41111  | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor11      | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| sourceCajas     | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| paletizado      | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Converter411111 | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Embalaje        | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Embalaje1       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |

Set-up Time

| Object          | Portion | Count | Sum          | Mean Value   | Standard Deviation |
|-----------------|---------|-------|--------------|--------------|--------------------|
| atomizado       | 0.00%   | 0     | 0.0000       | 0.0000       | 0.0000             |
| Converter2      | 0.00%   | 0     | 0.0000       | 0.0000       | 0.0000             |
| Esmaltado       | 4.36%   | 662   | 19:39.8951   | 1.7823       | 6.6020             |
| Drain           | 100.00% | 7     | 7:31:20.3295 | 1:04:28.6185 | 22:59.4259         |
| Prensa          | 8.52%   | 918   | 38:26.5328   | 2.5126       | 0.2315             |
| Esmaltado2      | 4.75%   | 660   | 21:26.4362   | 1.9491       | 7.7729             |
| Conveyor        | 8.17%   | 9848  | 36:51.3783   | 0.2246       | 3.4931             |
| Secado          | 0.09%   | 1     | 23.1902      | 23.1902      | 0.0000             |
| Horno           | 0.61%   | 1     | 2:46.0950    | 2:46.0950    | 0.0000             |
| Conveyor2       | 0.00%   | 0     | 0.0000       | 0.0000       | 0.0000             |
| Conveyor3       | 0.00%   | 0     | 0.0000       | 0.0000       | 0.0000             |
| Conveyor5       | 0.00%   | 0     | 0.0000       | 0.0000       | 0.0000             |
| Conveyor4       | 0.00%   | 0     | 0.0000       | 0.0000       | 0.0000             |
| Conveyor6       | 0.00%   | 0     | 0.0000       | 0.0000       | 0.0000             |
| Station         | 100.00% | 1     | 7:31:20.3295 | 7:31:20.3295 | 0.0000             |
| Station1        | 100.00% | 1     | 7:31:20.3295 | 7:31:20.3295 | 0.0000             |
| Converter41111  | 0.00%   | 0     | 0.0000       | 0.0000       | 0.0000             |
| Conveyor11      | 62.23%  | 2484  | 4:40:50.8740 | 6.7838       | 19.9375            |
| sourceCajas     | 0.00%   | 0     | 0.0000       | 0.0000       | 0.0000             |
| paletizado      | 92.99%  | 7     | 6:59:41.0924 | 59:57.2989   | 21:02.1591         |
| Converter411111 | 0.00%   | 0     | 0.0000       | 0.0000       | 0.0000             |
| Embalaje        | 73.49%  | 106   | 5:31:42.6199 | 3:07.7606    | 46.7106            |
| Embalaje1       | 11.62%  | 393   | 52:27.2127   | 8.0082       | 27.0667            |

Waiting Time

| Object          | Portion | Count | Sum          | Mean Value | Standard Deviation |
|-----------------|---------|-------|--------------|------------|--------------------|
| atomizado       | 16.24%  | 209   | 1:13:18.2168 | 21.0441    | 31.9106            |
| Converter2      | 0.00%   | 0     | 0.0000       | 0.0000     | 0.0000             |
| Esmaltado       | 28.61%  | 309   | 2:09:07.0853 | 25.0715    | 22.6675            |
| Drain           | 0.00%   | 0     | 0.0000       | 0.0000     | 0.0000             |
| Prensa          | 37.49%  | 2962  | 2:49:11.2685 | 3.4272     | 10.1656            |
| Esmaltado2      | 28.40%  | 307   | 2:08:09.7990 | 25.0482    | 22.7175            |
| Conveyor        | 0.00%   | 0     | 0.0000       | 0.0000     | 0.0000             |
| Secado          | 54.35%  | 4912  | 4:05:17.1091 | 2.9962     | 8.3461             |
| Horno           | 70.67%  | 347   | 5:18:56.6054 | 55.1487    | 24.5053            |
| Conveyor2       | 0.00%   | 0     | 0.0000       | 0.0000     | 0.0000             |
| Conveyor3       | 0.00%   | 0     | 0.0000       | 0.0000     | 0.0000             |
| Conveyor5       | 0.00%   | 0     | 0.0000       | 0.0000     | 0.0000             |
| Conveyor4       | 0.00%   | 0     | 0.0000       | 0.0000     | 0.0000             |
| Conveyor6       | 0.00%   | 0     | 0.0000       | 0.0000     | 0.0000             |
| Station         | 0.00%   | 0     | 0.0000       | 0.0000     | 0.0000             |
| Station1        | 0.00%   | 0     | 0.0000       | 0.0000     | 0.0000             |
| Converter41111  | 0.00%   | 0     | 0.0000       | 0.0000     | 0.0000             |
| Conveyor11      | 0.00%   | 0     | 0.0000       | 0.0000     | 0.0000             |
| sourceCajas     | 100.00% | 517   | 7:31:20.3295 | 52.3797    | 34.9939            |
| paletizado      | 0.00%   | 0     | 0.0000       | 0.0000     | 0.0000             |
| Converter411111 | 0.00%   | 0     | 0.0000       | 0.0000     | 0.0000             |
| Embalaje        | 2.54%   | 6     | 11:28.3724   | 1:54.7287  | 1:05.0862          |
| Embalaje1       | 0.00%   | 0     | 0.0000       | 0.0000     | 0.0000             |

Blocked Time

| Object          | Portion | Count | Sum    | Mean Value | Standard Deviation |
|-----------------|---------|-------|--------|------------|--------------------|
| atomizado       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Converter2      | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Esmaltado       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Drain           | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Prensa          | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Esmaltado2      | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor        | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Secado          | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Horno           | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor2       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor3       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor5       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor4       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor6       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Station         | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Station1        | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Converter41111  | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor11      | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| sourceCajas     | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| paletizado      | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Converter411111 | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Embalaje        | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Embalaje1       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |

Powering up/down Time

| Object          | Portion | Count | Sum    | Mean Value | Standard Deviation |
|-----------------|---------|-------|--------|------------|--------------------|
| atomizado       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Converter2      | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Esmaltado       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Drain           | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Prensa          | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Esmaltado2      | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor        | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Secado          | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Horno           | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor2       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor3       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor5       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor4       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor6       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Station         | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Station1        | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Converter41111  | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor11      | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| sourceCajas     | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| paletizado      | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Converter411111 | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Embalaje        | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Embalaje1       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |

Stopped Time

| Object          | Portion | Count | Sum        | Mean Value | Standard Deviation |
|-----------------|---------|-------|------------|------------|--------------------|
| atomizado       | 0.00%   | 0     | 0.0000     | 0.0000     | 0.0000             |
| Converter2      | 0.00%   | 0     | 0.0000     | 0.0000     | 0.0000             |
| Esmaltado       | 0.54%   | 1     | 2:25.8492  | 2:25.8492  | 0.0000             |
| Drain           | 0.00%   | 0     | 0.0000     | 0.0000     | 0.0000             |
| Prensa          | 7.18%   | 34    | 32:25.1682 | 57.2108    | 43.5962            |
| Esmaltado2      | 0.06%   | 1     | 16.5943    | 16.5943    | 0.0000             |
| Conveyor        | 0.00%   | 0     | 0.0000     | 0.0000     | 0.0000             |
| Secado          | 0.00%   | 0     | 0.0000     | 0.0000     | 0.0000             |
| Horno           | 0.00%   | 0     | 0.0000     | 0.0000     | 0.0000             |
| Conveyor2       | 0.00%   | 0     | 0.0000     | 0.0000     | 0.0000             |
| Conveyor3       | 0.00%   | 0     | 0.0000     | 0.0000     | 0.0000             |
| Conveyor5       | 0.00%   | 0     | 0.0000     | 0.0000     | 0.0000             |
| Conveyor4       | 0.00%   | 0     | 0.0000     | 0.0000     | 0.0000             |
| Conveyor6       | 0.00%   | 0     | 0.0000     | 0.0000     | 0.0000             |
| Station         | 0.00%   | 0     | 0.0000     | 0.0000     | 0.0000             |
| Station1        | 0.00%   | 0     | 0.0000     | 0.0000     | 0.0000             |
| Converter41111  | 0.00%   | 0     | 0.0000     | 0.0000     | 0.0000             |
| Conveyor11      | 0.00%   | 0     | 0.0000     | 0.0000     | 0.0000             |
| sourceCajas     | 0.00%   | 0     | 0.0000     | 0.0000     | 0.0000             |
| paletizado      | 0.37%   | 2     | 1:39.2371  | 49.6185    | 2.6514             |
| Converter411111 | 0.00%   | 0     | 0.0000     | 0.0000     | 0.0000             |
| Embalaje        | 0.70%   | 4     | 3:09.3373  | 47.3343    | 20.5097            |
| Embalaje1       | 1.33%   | 9     | 6:00.3310  | 40.0368    | 24.8330            |

Failed Time

| Object          | Portion | Count | Sum    | Mean Value | Standard Deviation |
|-----------------|---------|-------|--------|------------|--------------------|
| atomizado       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Converter2      | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Esmaltado       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Drain           | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Prensa          | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Esmaltado2      | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor        | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Secado          | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Horno           | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor2       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor3       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor5       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor4       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor6       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Station         | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Station1        | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Converter41111  | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Conveyor11      | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| sourceCajas     | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| paletizado      | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Converter411111 | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Embalaje        | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |
| Embalaje1       | 0.00%   | 0     | 0.0000 | 0.0000     | 0.0000             |

Paused Time

| Object          | Portion | Count | Sum          | Mean Value   | Standard Deviation |
|-----------------|---------|-------|--------------|--------------|--------------------|
| atomizado       | 0.00%   | 0     | 0.0000       | 0.0000       | 0.0000             |
| Converter2      | 25.57%  | 945   | 1:55:24.5547 | 7.3276       | 0.7102             |
| Esmaltado       | 4.36%   | 662   | 19:39.8951   | 1.7823       | 6.6020             |
| Drain           | 100.00% | 7     | 7:31:20.3295 | 1:04:28.6185 | 22:59.4259         |
| Prensa          | 8.52%   | 918   | 38:26.5328   | 2.5126       | 0.2315             |
| Esmaltado2      | 4.75%   | 660   | 21:26.4362   | 1.9491       | 7.7729             |
| Conveyor        | 1.28%   | 1     | 5:46.1950    | 5:46.1950    | 0.0000             |
| Secado          | 0.09%   | 1     | 23.2902      | 23.2902      | 0.0000             |
| Horno           | 0.61%   | 1     | 2:46.1950    | 2:46.1950    | 0.0000             |
| Conveyor2       | 0.71%   | 3     | 3:12.8139    | 1:04.2713    | 1:19.8625          |
| Conveyor3       | 0.78%   | 3     | 3:31.9571    | 1:10.6524    | 1:14.6442          |
| Conveyor5       | 1.32%   | 7     | 5:57.2034    | 51.0291      | 52.4481            |
| Conveyor4       | 0.93%   | 6     | 4:13.0844    | 42.1807      | 53.3830            |
| Conveyor6       | 1.87%   | 13    | 8:27.7134    | 39.0549      | 39.2097            |
| Station         | 100.00% | 1     | 7:31:20.3295 | 7:31:20.3295 | 0.0000             |
| Station1        | 100.00% | 1     | 7:31:20.3295 | 7:31:20.3295 | 0.0000             |
| Converter41111  | 0.00%   | 0     | 0.0000       | 0.0000       | 0.0000             |
| Conveyor11      | 1.29%   | 1     | 5:48.6950    | 5:48.6950    | 0.0000             |
| sourceCajas     | 0.00%   | 0     | 0.0000       | 0.0000       | 0.0000             |
| paletizado      | 1.84%   | 1     | 8:19.4710    | 8:19.4710    | 0.0000             |
| Converter411111 | 0.00%   | 0     | 0.0000       | 0.0000       | 0.0000             |
| Embalaje        | 0.00%   | 1     | 0.8000       | 0.8000       | 0.0000             |
| Embalaje1       | 0.00%   | 1     | 0.8000       | 0.8000       | 0.0000             |

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  | 8.21%   | 0.00%  | 91.69%  | 0.00%   | 0.10%  | 0.00%  | 1:13:39.4444   | 44.8944        | 480              | 63.810154           | 1531.4437          |

Cumulated Statistics of the Parts which the Drain Deleted

| Object | All Types | Caja |
|--------|-----------|------|
| Drain  | 480       | 480  |

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   |
| Caja  | 8.15%      | 0.00%  | 47.91%  | 0.00%   | 0.10%  | 0.00%  | 56.16% | 0.07%     | 0.00%  | 43.78%  | 0.00%   | 0.00%  | 0.00%  | 43.84% | 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   |
| Caja  | 1:13:39.4444 | 31:06.6812         | 27:27.2244 | 2:41:49.0603 | 44.8944    | 7:17.5860          | 0.0000  | 1:12:13.5682 | 480        | 63.810154 | 1531.4437 |

Service Statistics - Importer Statistics

| Object      | Total Delay | Reason for the Delay           |                   |                              |
|-------------|-------------|--------------------------------|-------------------|------------------------------|
|             |             | Waiting for Services and Parts | Waiting for Parts | Waiting for Set-up Exporters |
| atomizado   | 16.24%      | 16.24%                         | 0.00%             | 0.00%                        |
| Esmaltado   | 0.00%       | 0.00%                          | 0.00%             | 0.00%                        |
| Drain       | 0.00%       | 0.00%                          | 0.00%             | 0.00%                        |
| Prensa      | 0.00%       | 0.00%                          | 0.00%             | 0.00%                        |
| Esmaltado2  | 0.00%       | 0.00%                          | 0.00%             | 0.00%                        |
| Conveyor    | 0.00%       | 0.00%                          | 0.00%             | 0.00%                        |
| Secado      | 0.00%       | 0.00%                          | 0.00%             | 0.00%                        |
| Horno       | 0.00%       | 0.00%                          | 0.00%             | 0.00%                        |
| Conveyor2   | 0.00%       | 0.00%                          | 0.00%             | 0.00%                        |
| Conveyor3   | 0.00%       | 0.00%                          | 0.00%             | 0.00%                        |
| Conveyor5   | 0.00%       | 0.00%                          | 0.00%             | 0.00%                        |
| Conveyor4   | 0.00%       | 0.00%                          | 0.00%             | 0.00%                        |
| Conveyor6   | 0.00%       | 0.00%                          | 0.00%             | 0.00%                        |
| Station     | 0.00%       | 0.00%                          | 0.00%             | 0.00%                        |
| Station1    | 0.00%       | 0.00%                          | 0.00%             | 0.00%                        |
| Conveyor11  | 0.00%       | 0.00%                          | 0.00%             | 0.00%                        |
| sourceCajas | 0.00%       | 0.00%                          | 0.00%             | 0.00%                        |
| paletizado  | 0.00%       | 0.00%                          | 0.00%             | 0.00%                        |
| Embalaje    | 73.49%      | 73.49%                         | 71.13%            | 0.00%                        |
| Embalaje1   | 11.62%      | 11.62%                         | 0.00%             | 0.00%                        |

Importers Waiting for Services and Parts

| Object      | Waiting for Services and Parts | Count | Sum          | Mean Value | Standard Deviation |
|-------------|--------------------------------|-------|--------------|------------|--------------------|
| atomizado   | 16.24%                         | 209   | 1:13:18.2168 | 21.0441    | 31.9106            |
| Esmaltado   | 0.00%                          | 0     | 0.0000       | 0.0000     | 0.0000             |
| Drain       | 0.00%                          | 0     | 0.0000       | 0.0000     | 0.0000             |
| Prensa      | 0.00%                          | 0     | 0.0000       | 0.0000     | 0.0000             |
| Esmaltado2  | 0.00%                          | 0     | 0.0000       | 0.0000     | 0.0000             |
| Conveyor    | 0.00%                          | 0     | 0.0000       | 0.0000     | 0.0000             |
| Secado      | 0.00%                          | 0     | 0.0000       | 0.0000     | 0.0000             |
| Horno       | 0.00%                          | 0     | 0.0000       | 0.0000     | 0.0000             |
| Conveyor2   | 0.00%                          | 0     | 0.0000       | 0.0000     | 0.0000             |
| Conveyor3   | 0.00%                          | 0     | 0.0000       | 0.0000     | 0.0000             |
| Conveyor5   | 0.00%                          | 0     | 0.0000       | 0.0000     | 0.0000             |
| Conveyor4   | 0.00%                          | 0     | 0.0000       | 0.0000     | 0.0000             |
| Conveyor6   | 0.00%                          | 0     | 0.0000       | 0.0000     | 0.0000             |
| Station     | 0.00%                          | 0     | 0.0000       | 0.0000     | 0.0000             |
| Station1    | 0.00%                          | 0     | 0.0000       | 0.0000     | 0.0000             |
| Conveyor11  | 0.00%                          | 0     | 0.0000       | 0.0000     | 0.0000             |
| sourceCajas | 0.00%                          | 0     | 0.0000       | 0.0000     | 0.0000             |
| paletizado  | 0.00%                          | 0     | 0.0000       | 0.0000     | 0.0000             |
| Embalaje    | 73.49%                         | 106   | 5:31:41.8199 | 3:07.7530  | 46.6642            |
| Embalaje1   | 11.62%                         | 393   | 52:26.4127   | 8.0061     | 27.0406            |

Waiting Times for Services and Parts

| Object      | Waiting for Parts | Count | Sum          | Mean Value | Standard Deviation |
|-------------|-------------------|-------|--------------|------------|--------------------|
| atomizado   | 0.00%             | 0     | 0.0000       | 0.0000     | 0.0000             |
| Esmaltado   | 0.00%             | 0     | 0.0000       | 0.0000     | 0.0000             |
| Drain       | 0.00%             | 0     | 0.0000       | 0.0000     | 0.0000             |
| Prensa      | 0.00%             | 0     | 0.0000       | 0.0000     | 0.0000             |
| Esmaltado2  | 0.00%             | 0     | 0.0000       | 0.0000     | 0.0000             |
| Conveyor    | 0.00%             | 0     | 0.0000       | 0.0000     | 0.0000             |
| Secado      | 0.00%             | 0     | 0.0000       | 0.0000     | 0.0000             |
| Horno       | 0.00%             | 0     | 0.0000       | 0.0000     | 0.0000             |
| Conveyor2   | 0.00%             | 0     | 0.0000       | 0.0000     | 0.0000             |
| Conveyor3   | 0.00%             | 0     | 0.0000       | 0.0000     | 0.0000             |
| Conveyor5   | 0.00%             | 0     | 0.0000       | 0.0000     | 0.0000             |
| Conveyor4   | 0.00%             | 0     | 0.0000       | 0.0000     | 0.0000             |
| Conveyor6   | 0.00%             | 0     | 0.0000       | 0.0000     | 0.0000             |
| Station     | 0.00%             | 0     | 0.0000       | 0.0000     | 0.0000             |
| Station1    | 0.00%             | 0     | 0.0000       | 0.0000     | 0.0000             |
| Conveyor11  | 0.00%             | 0     | 0.0000       | 0.0000     | 0.0000             |
| sourceCajas | 0.00%             | 0     | 0.0000       | 0.0000     | 0.0000             |
| paletizado  | 0.00%             | 0     | 0.0000       | 0.0000     | 0.0000             |
| Embalaje    | 71.13%            | 106   | 5:21:02.5710 | 3:01.7224  | 44.9512            |
| Embalaje1   | 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 |
|-------------|------------------------------|-------|--------|------------|--------------------|--|--|---|
| atomizado   | 0.00%                        | 0     | 0.0000 | 0.0000     | 0.0000             | 0.00%                                  | 0.00%                                  | 0.00%                                       |
| Esmaltado   | 0.00%                        | 0     | 0.0000 | 0.0000     | 0.0000             | 0.00%                                  | 0.00%                                  | 0.00%                                       |
| Drain       | 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%                                       |
| Esmaltado2  | 0.00%                        | 0     | 0.0000 | 0.0000     | 0.0000             | 0.00%                                  | 0.00%                                  | 0.00%                                       |
| Conveyor    | 0.00%                        | 0     | 0.0000 | 0.0000     | 0.0000             | 0.00%                                  | 0.00%                                  | 0.00%                                       |
| Secado      | 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%                                       |
| Conveyor2   | 0.00%                        | 0     | 0.0000 | 0.0000     | 0.0000             | 0.00%                                  | 0.00%                                  | 0.00%                                       |
| Conveyor3   | 0.00%                        | 0     | 0.0000 | 0.0000     | 0.0000             | 0.00%                                  | 0.00%                                  | 0.00%                                       |
| Conveyor5   | 0.00%                        | 0     | 0.0000 | 0.0000     | 0.0000             | 0.00%                                  | 0.00%                                  | 0.00%                                       |
| Conveyor4   | 0.00%                        | 0     | 0.0000 | 0.0000     | 0.0000             | 0.00%                                  | 0.00%                                  | 0.00%                                       |
| Conveyor6   | 0.00%                        | 0     | 0.0000 | 0.0000     | 0.0000             | 0.00%                                  | 0.00%                                  | 0.00%                                       |
| Station     | 0.00%                        | 0     | 0.0000 | 0.0000     | 0.0000             | 0.00%                                  | 0.00%                                  | 0.00%                                       |
| Station1    | 0.00%                        | 0     | 0.0000 | 0.0000     | 0.0000             | 0.00%                                  | 0.00%                                  | 0.00%                                       |
| Conveyor11  | 0.00%                        | 0     | 0.0000 | 0.0000     | 0.0000             | 0.00%                                  | 0.00%                                  | 0.00%                                       |
| sourceCajas | 0.00%                        | 0     | 0.0000 | 0.0000     | 0.0000             | 0.00%                                  | 0.00%                                  | 0.00%                                       |
| paletizado  | 0.00%                        | 0     | 0.0000 | 0.0000     | 0.0000             | 0.00%                                  | 0.00%                                  | 0.00%                                       |
| Embalaje    | 0.00%                        | 0     | 0.0000 | 0.0000     | 0.0000             | 0.00%                                  | 0.00%                                  | 0.00%                                       |
| Embalaje1   | 0.00%                        | 0     | 0.0000 | 0.0000     | 0.0000             | 0.00%                                  | 0.00%                                  | 0.00%                                       |

Waiting Times for Set-up Exporters

Service Statistics - Broker Statistics

| Object  | Sum           |                    |               |                   | Mediation Time |            |                    | Dwelling Time |            |                    |
|---------|---------------|--------------------|---------------|-------------------|----------------|------------|--------------------|---------------|------------|--------------------|
|         | Open Requests | Satisfied Requests | Open Capacity | Mediated Capacity | Sum            | Mean Value | Standard Deviation | Sum           | Mean Value | Standard Deviation |
| Broker1 | 0             | 0                  | 0             | 0                 | 0.0000         | 0.0000     | 0.0000             | 0.0000        | 0.0000     | 0.0000             |
| Broker  | 11            | 1001               | 18            | 1394              | 20:24.7909     | 1:51.3446  | 1:04.2130          | 9:37:20.2632  | 34.5836    | 41.3332            |

Broker Statistics

| Services        | Count | Sum          | Mean Value | Standard Deviation | Minimum   | Maximum   |
|-----------------|-------|--------------|------------|--------------------|-----------|-----------|
| Services        | Count | Sum          | Mean Value | Standard Deviation | Minimum   | Maximum   |
| Failure         | 0     | 0.0000       | 0.0000     | 0.0000             | 0.0000    | 0.0000    |
| Processing      | 504   | 9:37:00.7334 | 1:08.7158  | 32.4182            | 1:03.6478 | 8:16.6418 |
| Set-up          | 0     | 0.0000       | 0.0000     | 0.0000             | 0.0000    | 0.0000    |
| StandardService | 0     | 0.0000       | 0.0000     | 0.0000             | 0.0000    | 0.0000    |
| Transport       | 890   | 7:15:01.8825 | 29.2972    | 36.2448            | 56.6736   | 8:16.6418 |

Dwelling Time

| Services        | Count | Sum        | Mean Value | Standard Deviation | Minimum | Maximum   |
|-----------------|-------|------------|------------|--------------------|---------|-----------|
| Services        | Count | Sum        | Mean Value | Standard Deviation | Minimum | Maximum   |
| Failure         | 0     | 0.0000     | 0.0000     | 0.0000             | 0.0000  | 0.0000    |
| Processing      | 8     | 8:04.7961  | 1:00.5995  | 4.0689             | 54.9235 | 1:04.2955 |
| Set-up          | 0     | 0.0000     | 0.0000     | 0.0000             | 0.0000  | 0.0000    |
| StandardService | 0     | 0.0000     | 0.0000     | 0.0000             | 0.0000  | 0.0000    |
| Transport       | 7     | 16:37.1768 | 2:22.4538  | 1:01.3687          | 6.8224  | 2:52.8136 |

Mediation Time