

Shop Pulse GPS

Asen Ivanov



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- ▶ With BPT since 2011
- ▶ Software Developer
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Objectives

- ▶ Product introduction
- ▶ Identify the capabilities
- ▶ Review the components
- ▶ Summary

Introducing SHOP PULSE GPS

- ▶ Brand new web based tool
- ▶ Specifically designed for MAX 2018
- ▶ Direct read of the MAX database
- ▶ Graphically represents the data
- ▶ Utilizes auto refresh mechanism
- ▶ Provides drag & drop rescheduling
- ▶ Compares demand vs capacity based on a UDF range
- ▶ Identify current and potential issues
- ▶ And more.....



GPS Component Circle



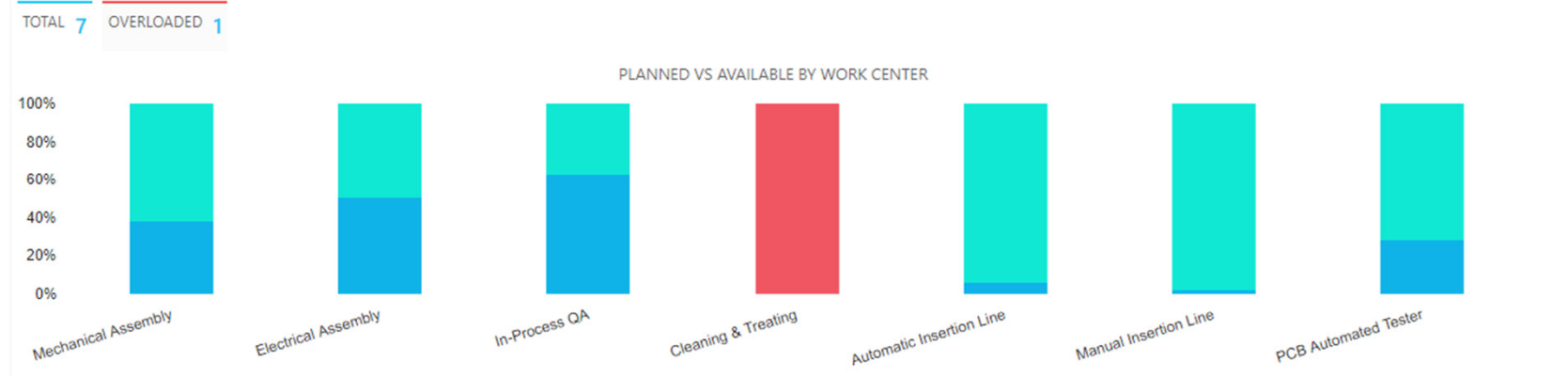
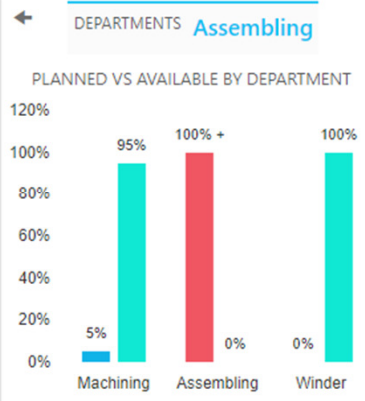
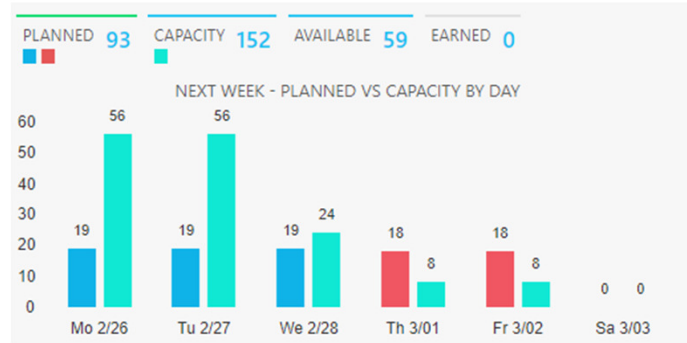
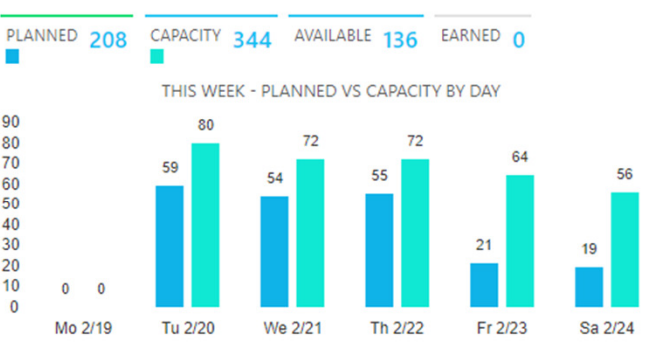
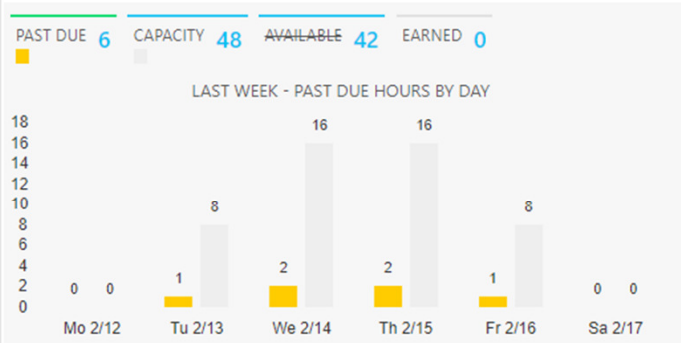
- ▶ Developed to simplify tasks, increase accuracy & minimize error
- ▶ Used to summarize wide range of data & identify potential issues
- ▶ Provide important feedback and real-time work center activity
- ▶ Extend MAX capabilities

Dashboard

- ▶ Displays a weekly summary of demand vs capacity
- ▶ Auto refreshes
- ▶ User defined grouping of the data
- ▶ Summary filtering
- ▶ Allows drilldowns from the work center down to the operation
- ▶ Displays work centers and jobs in different categories by reporting count of items in each category



REFRESHED AT 21:39:31 | ORDER STATUS ALL | WORK CENTERS ALL | Refresh Search

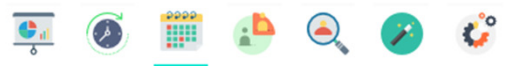


JOBS

TOTAL 4 PAST DUE 0 DUE TODAY 0 ON HOLD 0 NOT STARTED 0 ADDED TODAY 0 ADDED THIS WEEK 6

Calendar

- ▶ Based on the Shop Calendar in MAX
- ▶ Displays jobs and operations
- ▶ Provides validation applied to the displayed items
- ▶ Allows drag & drop rescheduling of jobs
- ▶ Provides the option for a drilldown



< February 2018 > Orders by Due Date Show All

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
				...	<u>1</u>	<u>2</u> ... <u>3</u>	
...	<u>4</u>	...	<u>5</u> ... <u>6</u>	...	<u>7</u> ... <u>8</u>	...	<u>9</u> ... <u>10</u>
...	<u>11</u>	...	<u>12</u> ... <u>13</u>	...	<u>14</u> ... <u>15</u>	...	<u>16</u> ... <u>17</u>
...	<u>18</u>	...	<u>19</u> ... <u>20</u>	...	<u>21</u> ... <u>22</u>	...	<u>23</u> ... <u>24</u>
...	<u>25</u>	...	<u>26</u> ... <u>27</u>	...	<u>28</u>		

Calendar details for February 2018 (Orders by Due Date):

- Friday, Feb 16: 50000021 SYS-12100 2 (Warning icon)
- Thursday, Feb 22: 50000025 SYS-12100 2
- Friday, Feb 23: 50000023 SYS-12100 2

Hours Summary

- ▶ Summarizes allocated hours and capacity
- ▶ Visually displays the results and pinpoints problems
- ▶ Provides data result filtering
- ▶ Provides a drilldowns



FROM DATE 02/01/2018 TO DATE 02/28/2018 | DEPARTMENT ALL | ORDER STATUS ALL | WORK CENTERS ALL | DAY VALUES PERCENTAGE

Date	Department	Machining	Assembling	Winder
		7	57	0
02/01				
02/02				
02/05				
02/06				
02/07				
02/08				
02/09				
02/12				
02/13	1	9%		
02/14	2	11%		
02/15	2	13%	16%	
02/16	1		16%	
02/19				
02/20	59	11%	100% +	0%
02/21	60	14%	100% +	0%
02/22	61	12%	100% +	0%
02/23	27	10%	71%	0%
02/26	25	10%	67%	0%
02/27	25	9%	67%	0%
02/28	25	22%	66%	

Hours Summary – Date range drilldown sub view

Shop Pulse **GPS** 18.2.20.1



MANAGER



02/20/2018 - 02/20/2018
DATE RANGE

Assembling
DEPARTMENT

80
CAPACITY

59
PLANNED

21
AVAILABLE

0
EARNED

JOBS ORDER BY Due Date ▼

TOTAL **4** PAST DUE **0** DUE TODAY **0** ON HOLD **0** NOT STARTED **0** ADDED TODAY **0** ADDED THIS WEEK **0**

DPD	Order #	Part #	Description	Due Qty	Due Date	% Compl	Hours
Reference							
	50000025	SYS-12100	System Unit	2	02/22/2018	0%	7
	50000023	SYS-12100	System Unit	2	02/23/2018	0%	2
	50000024	MB-12350	esktop Computer Mother Boar..	1	03/02/2018	0%	105
	50000026	MB-12350	esktop Computer Mother Boar..	2	03/30/2018	0%	205

WORK CENTERS

TOTAL **7** OVERLOADED **1**

Work Center	Description	Std Q	Capacity	Allocated	Available
MASSY	Mechanical Assembly	1	8	2	6
EASSY	Electrical Assembly	1	8	2	6
IPQA	In-Process QA	1	8	3	6
WASH	Cleaning & Treating		8	52	-44
AUTIN	Automatic Insertion Line	2	24		24
MANIN	Manual Insertion Line		8		8
BTEST	PCB Automated Tester	1	16	1	15

COUNT OF JOBS BY DUE DATE

Due Date	Count
02/22	1
02/23	1
03/02	1
03/30	1

PLANNED VS AVAILABLE BY WORK CENTER

Work Center	Planned	Available
Mechanical Assembly	2	6
Electrical Assembly	2	6
In-Process QA	3	6
Cleaning & Treating	52	-44
Automatic Insertion Line	2	24
Manual Insertion Line	0	8
PCB Automated Tester	1	15

Live Work Center Activity

- ▶ Displays work center activity
- ▶ Provides customizable work center selection
- ▶ Auto refreshes
- ▶ Perfect for a big screen monitor on the production floor



Inspection - General
WORK CENTER 21801

IN Q

Order #	Part #	Due Qty	Seq	Operation	Compl Qty	Rem Qty	Rem Hrs
50465610	MOT0045	12	0425	INSPECTION	5	7	2.5

1
STD Q

15.50
DAILY CAPACITY

0
ALLOCATED HOURS

COMING UP

Order #	Part #	Due Qty	Seq	Operation	Compl Qty	Rem Qty
50465610	MOT0045	12	0450	BOND BUTTONS, TAPE, CURE	0	12

COFFIN OVENS
WORK CENTER COG01

IN Q

Order #	Part #	Due Qty	Seq	Operation	Compl Qty	Rem Qty	Rem Hrs
50465611	HD1829 M	4	0350	CURE BILLET	2	2	0.75

2
STD Q

8
DAILY CAPACITY

0
ALLOCATED HOURS

COMING UP

Order #	Part #	Due Qty	Seq	Operation	Compl Qty	Rem Qty
50465613	TARPON 803.94574 B	5	0395	OVEN ROOM	1	4

Summary

- ▶ Visualizes data in a customized manner
- ▶ Auto refreshes for accurate feedback
- ▶ Validates and identifies issues
- ▶ Drag & drop interaction and rescheduling
- ▶ A must have tool!

More Opportunities!

- ▶ February 19th – March 31st, 2018
- ▶ Software price only.



Software Promotion

March 8 1:00	30 Tools in 50 Minutes
March 15 3:00	Data Collection
April 10 11:00	Announcing Shop Pulse VPoint—A New Graphical Production Monitoring and Scheduling Tool
April 19 1:00	The Fastest and Easiest Way to Import and Maintain your MAX Data
	GP Features and Functions - You Already Own but Didn' t Know About
	Shop Pulse
	GP Essential Applications Everyone Should Own Plus A Few To Meet Unique Requirements
	Process Automation for Materials and Manufacturing
	Connecting MAX to the World - Automating Sales Order Processing Functions

Educational Webinars

Sponsoring Complimentary Solutions

Find literature in the **mpower** Meet Up



Questions?

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