



SPOCS

SFDCX

Information Pack

Touch-screen operated Shop Floor Data Collection module

When margins are under pressure and you are already buying as keenly as you can, where else can you improve profitability but in Efficiency. Knowing exactly where everything is in the factory and being able to analyse machine performance and put wastage under the microscope enables you to control your plant more efficiently, saves money, and provides a better service to your customers. Our **SFDCx** system does this instantly in real-time, using touchscreens and bar-code readers, thus avoiding the need for additional production clerks.

Current Job: 141703/1 - Checked

Segment 1 Transaction 1

Customer: HPS51082
Spec No: HPS51082
Reference: DIE CUT
Material: 200K/200T BC
Size: 894 x 382 x

Deliver To: 143381 Part 1 of 1
Plant Order: 143381
Quantity: 1500
Max Qty: 1500
Due Date: 06-23/01/2015
Priority: Normal

Specifications:
Blank Size: 894 x 382 2 up from board: 919 x 789
Roll Score: 0
Panel Score: 0
Number of pieces per set: 1
Bundle Quantity: Pallet Quantity: Pallet Type: PALLET SIZE TO SUIT

Materials Ordered: Supplier: Order No: Date: Quantity: Machine Feeding Qty Avail
CORRO1 143381/A 20/01/2015 788 Ashly Die cutter 0

Materials Delivered: Date: Quantity: Pallets: Form: Bundled
0 0 0 Tied N
0 0 0 Type A1
0 0 0 Pallet Qty
0 0 0 Pallet Pat.

Print Details:
Description: Plan
No. of Cols: 0
1st Colour: HPS51082/A/PL
2nd Colour:
3rd Colour:
4th Colour:
5th Colour: 13354 X ref:
Form: 13354
Track No:
Trk Velocity:
Stereo No.: 0
Stereo No.: 0
Stereo No.: 0
Stereo No.: 0

Bay Ref: Terasca Set No. 1 Terasca Set No. 2 Speed

Notes: 143572/1
143175/1
143159/1
143438/1
142975/1
143381/1
143474/1
143276/1
143268/1
143472/1
143395/1

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Print Image **Pallet Image** **Forward Plan** **Pallet Labels**

Print **Table** **Switch Machine**

Machine	Target feed rate	Current Set Job		Current Run Job		Sensor data		Trends				Week To Date				
		Set Job	Est. time/Actual time	Run Job	Est. time/Actual time	Run %	Units	Current speed	Avg Run Speed	Feed Rate	Total Feeds	Avg Set Mins	Sets	Feed Rate	Total Feeds (Avg Set Mins)	Sets
Ashly	3000							0	0	2068	1000	30	1	2068	1000	30
Maramatsu	1500			143391/1 (1600)	46	29	0.00	0	0	1457	2575	5	4	1457	2575	5
Small TCY	6500			143174/1 (24300)	133	114	0.00	0	0	8099	3075	21	3	8099	3075	21
Large TCY	3500						0.00	0	0	1745	2005	20	2	1745	2005	20
Pury	3500	143590/1 (2600)	20	1			0.00	0	0	1542	1800	30	2	1542	1800	30
Igfa	1000	143564/1 (127)	45	43						3665	2505	25	2	3665	2505	25
Star Gluer	1000			143303/1 (6000)	100	153				0	0	1	1	0	0	1
Anderson Gluer	3000			143347/1 (6200)	147	133	0.00	0	0	0	0	0	0	0	0	0
Hand Strapping	1000									0	0	0	0	0	0	0
Gluer	900						0	0	0	0	0	0	0	0	0	0
470										0	0	0	0	0	0	0
Rapidox										0	0	0	0	0	0	0
Iron										0	0	0	0	0	0	0
Boonmatic										0	0	0	0	0	0	0
Autobox										0	0	0	0	0	0	0

Machine	Target feed rate	30 Days Rolling Average			Target set time
		Feed Rate	Total Feeds	Avg Set Mins	
Ashly	3000	1705	188751	27	51
Maramatsu	1500	1514	225376	7	160
Small TCY	6500	7250	665054	127	175
Large TCY	3500	2494	213743	25	87
Pury	3500	2085	279092	29	60
Igfa	1000	3961	208819	23	114
Star Gluer	1000	229	42424	1	18
Anderson Gluer	3000	1204	207017	51	30
Hand Strapping	1000	635	28666	1	10
Gluer	900	868	43251	100	10
470		0	0	0	0
Rapidox		0	0	0	0
Iron		0	0	0	0
Boonmatic		0	0	0	0
Autobox		0	0	0	0

The Technology

The touchscreen system uses a high resolution touch-sensitive flat screen with integral PC, in a sealed stainless steel unit which conforms to IP68. They are resistant to the pernicious dust-laden environment of the corrugated sheet plant and tough enough to stand a fair amount of abuse. These units are coupled to a barcode reader and installed to suitable locations on the factory floor. The PC runs the SFDCx software to enable entry of job information via the touchscreen.



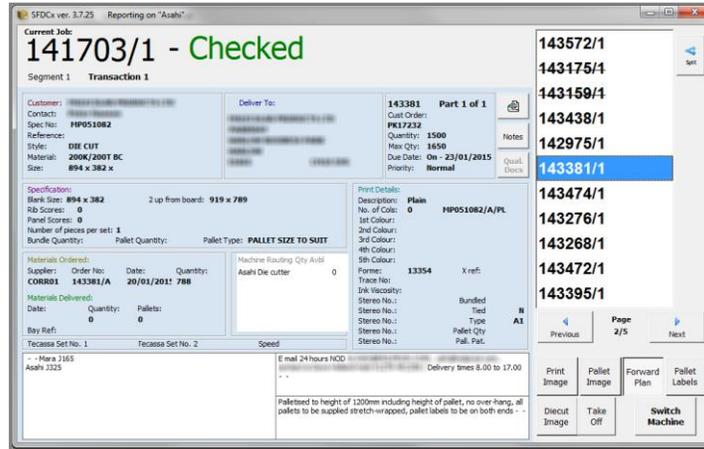
Mobile Option

If you are aiming for paperless operation in your plant, then this could well be the ideal solution for you. No more printing out of print diagrams or setting parameters, you can take the SFDCx display with you when setting the machine or checking the print.



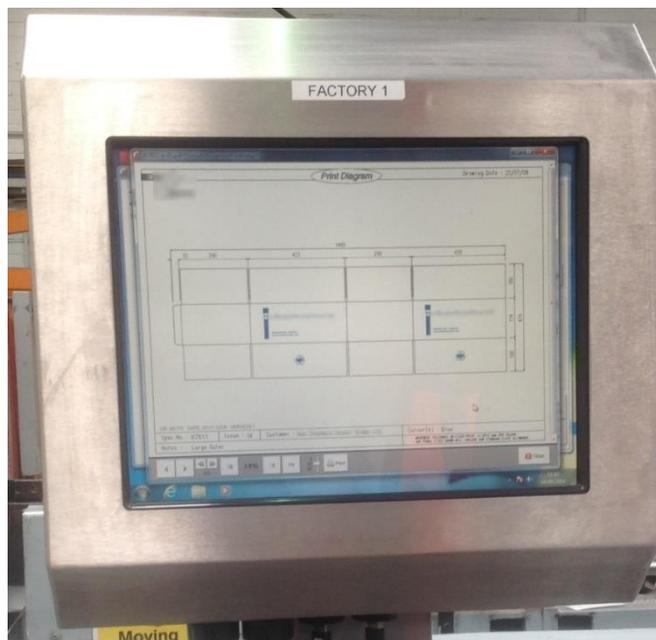
Benefits of the System

Operators can view the full list of jobs queued up for their machine so they can look ahead and get ready for the next job; also, there is no temptation to run slow because they think there are no more jobs in the pipeline



Also the program running on the Touchscreens is reading and writing directly to the database and creates and updates Production Segments while also updating the routing records. This means that results arrive live on the system. Time taken sorting out misinformation is reduced accordingly.

Machine operators can view print, die-cut and palletisation drawings at the machine.



All units can be remotely administered using a simple tool such as VNC, and the **Production Viewer** gives a production manager oversight of what is happening on each machine, allowing any problems or errors on the system to be quickly identified.

Machine	Target feed rate	Current Set Job			Current Run Job			Sensor data			Today				Week To Date				
		Set Job	Est. time	Actual time	Run Job	Est. time	Actual time	Run %	Units	Current Speed	AVG Run Speed	Feed Rate	Total Feeds	Avg Set Mins	Sets	Feed Rate	Total Feeds	Avg Set Mins	Sets
Asahi	3000								0	0		2068	1000	30	1	2068	1000	30	1
Maramatsu	1500				143556/1 (1600)	46	29	0.00	0	0		1457	2575	5	4	1457	2575	5	4
Small TCY	8500				143174/1 (22400)	133	114	0.00	0	0	0	8099	3375	21	3	8099	3375	21	3
Large TCY	3500								0	0		1745	2065	20	2	1745	2065	20	2
Fury	3500	143598/1 (2600)	20	1				0.00	0	0		1542	1800	30	2	1542	1800	30	2
6PA	1000	143664/1 (12)	45	43								3665	2505	25	2	3665	2505	25	2
Star Gluer	1000				143459/1 (5000)	100	152					0	0	1	1	0	0	1	1
Anderson Gluer	3000				143347/1 (6290)	147	153	0.00	0	0	0	0	0	0	0	0	0	0	0
Hand Stripping	1000											0	0	0	0	0	0	0	0
Gluer	800								0	0		0	0	0	0	0	0	0	0
470												0	0	0	0	0	0	0	0
Rapidex												0	0	0	0	0	0	0	0
Iton												0	0	0	0	0	0	0	0
Boxmatic												0	0	0	0	0	0	0	0
Autobox												0	0	0	0	0	0	0	0

Machine	Target feed rate	30 Days Rolling Average				Target set time
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Asahi	3000	1706	188351	27	51	30
Maramatsu	1500	1914	225376	7	160	15
Small TCY	8500	7350	685054	127	175	12
Large TCY	3500	2494	213743	22	87	20
Fury	3500	2086	279052	29	60	35
6PA		3961	208818	23	114	
Star Gluer	1000	229	42424	1	18	5
Anderson Gluer	3000	1204	207017	51	30	10
Hand Stripping	1000	635	28666	1	10	5
Gluer	800	688	43251	190	10	6
470		0	0	0	0	
Rapidex		0	0	0	0	
Iton		0	0	0	0	
Boxmatic		0	0	0	0	
Autobox		0	0	0	0	

Meanwhile back in the office anyone with access to the routing editor can see the status of any job, whether in progress or already completed.

Machine	Variant	Posn.	Qty	Prev	Next	Plan Start	Set Mins	Run Mins	Time	Up	Pass	Real	Status	Qty Ru
PS	1	1	3000	>>>	FG	27/12/2000	30	60	C	1	1	Y	Setting	
FG	1	2	3000	PS	<<<	27/12/2000	15	240	C	1	1	Y	Raw	

Current feedback from the machine visible systemwide

The SFDCx system also feeds directly back into the **S32Plan** planning system so if you are using both, the jobs will be completed on the plan when the SFDCx reports them finished.

In addition the performance reported by the SFDCx system is used when a job repeats to estimate set and run times (future runs “learn” from the performance to date).

Contact Us

Please feel free to call and discuss the product with us. We will be happy to arrange a demonstration for you, either at our offices, or at your own premises.

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