



Shop Floor Data Collection

Planrol's Shop Floor Data Collection is a complete communications network linking all areas of the manufacturing process to your main computer. Job Status, Job Cost, Raw Material Usage and Payroll information are processed simultaneously and reported in real time. Shop Floor Data Collection allows you to get the most from your Management Information System.

Real-Time Tracking of Jobs

Job Status is updated automatically and immediately during each phase of the manufacturing process. Customer service, supervisory and management personnel are kept informed, and are alerted immediately as production bottlenecks occur. Schedule adjustments and other corrective actions can then be initiated to assure that all jobs are completed on time.

Raw Material Inventory

The shop network tracks paper consumption in several ways. An electronic sensor records press revolutions and automatically calculates impression counts, waste and raw material usage data. An RS-232 interface in your scale connected to a unit in the network can automatically record the actual weight of material being returned to stock.

Material handlers know exactly what paper inventory is available at all times and bar coded labels on each roll make physical inventories faster, easier and more reliable; and the network even warns press operators if the wrong paper has been mounted.

Accurate Job Costing

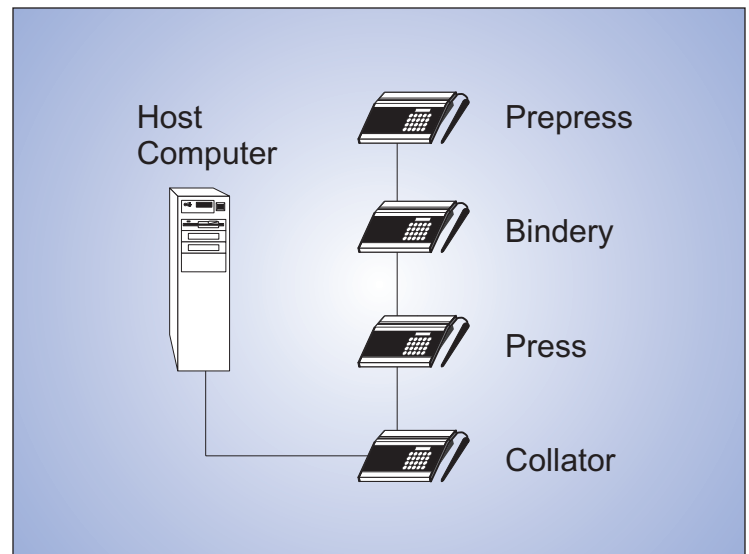
Job Cost information is processed instantaneously and reported in real time. Manual time sheets are eliminated increasing the accuracy of the data and profitability can be monitored while the job is being produced.

Automatic Payroll Reporting

Employees clock in at their workstations and from that moment on the shop network collects an accurate record of hours worked. The system also compiles a detailed record of chargeable and non-chargeable time and monitors productivity. At the end of the day, the system automatically generates a detailed time sheet, which is verified and approved.

Interface to Payroll

Time card entries to payroll are created automatically and stored. These entries can be transferred directly into Planrol's Payroll System or printed in report format.



Special Features

- ☒ Eliminates time sheets and the manual calculation of payroll hours
- ☒ Updates job status immediately and automatically
- ☒ Updates work in process job costs with labor and raw material costs as they occur
- ☒ Tracks paper consumption accurately and automatically
- ☒ Automatically warns press operator if the wrong paper has been mounted
- ☒ Physical inventory is faster, easier and more reliable with the system's laser bar code scanners
- ☒ Bar coded roll labels let material handlers know exactly what inventory is available and where it is located
- ☒ Intelligent data collection terminals continue to collect information when the host computer is down or power has been interrupted
- ☒ On board battery backup prevents data loss in the event of power interruption
- ☒ Automatically prints a time sheet for verification when employees clock out at the end of their shift
- ☒ Supervisory personnel are informed automatically as problems arise
- ☒ Accurately measures press and warehouse waste
- ☒ Fault tolerant network
- ☒ No dedicated concentrators or multiplexors
- ☒ Integral slot reader scans employee badges
- ☒ Wand reader records cost center, operation, inventory tag and job numbers
- ☒ Sealed polycarbonate keypad and super-twist LCD display complete user interface

Shop Floor Data Collection

Time Sheet Inquiry and Edit

Employee Number: 2310 JOHN A. SMITH Date: 3-27-89

Time	Type	C-C	Op	Job No	Pt	Tag No	Good	Total	Error
1 8:00:00	IN								
2 8:30:00	NCHG	224	42						
3 10:26:00	CMR	224	1	8264	1			930	
4 10:52:00	CJOR	224	9	8264	1		6690	6900	
5 11:35:00	PMR	224	13	5054	1				
6 12:05:00	NCHG	224	80						
7 1:49:00	CMR	224	1	5054	1			817	
8 3:54:00	CJOR	224	9	5054	1		28000	28400	
9 4:30:00	OUT	224	45						
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

Error Codes
1..C-C
2..Job No.
3..Part No.
4..Roll Tag
5..Subs.

Payroll Summary File

PAYROLL SUMMARY FILE MAINTENANCE

Employee #: 2310
Date: 3-27-89
Cno/Dept: 224
Shift: 1

Non-Paid Hours: 0.50
Payable Hours: 8.00
Total Hours: 8.50

Start Time: 08:00:00 A
Ending Time: 04:30:00 P

Comment: _____

Employee Time Sheet

Daily Time Sheet

Employee: 2310-John A. Smith Date: 3-27-89 Start Time: 08:00:00

Job Number	Cost Center	Operation Code	Completion Code	End Time	Good Impressions	Total Impressions	Hours Worked
8264	224-S 23 PRESS	42-CLEAN UP	F	08:30:00			.50
8264	224-S 23 PRESS	1-MAKE READY	C	10:26:00			1.93
5054	224-S 23 PRESS	9-RUN	P	10:52:00	6690	6900	.43
5054	224-S 23 PRESS	13-MASH UP	P	11:35:00			.72
5054	224-S 23 PRESS	80-LUNCH	P	12:05:00			.50
5054	224-S 23 PRESS	1-MAKE READY	C	01:49:00			1.73
5054	224-S 23 PRESS	9-RUN	P	03:54:00	28000	28400	2.09
Totals		45-MAINTENANCE	P	04:30:00	34690	37047	8.50

Job Number	Cost Center	Operation Code	Completion Code	End Time	Good Impressions	Total Impressions	Hours Worked
8264	224-S 23 PRESS	1-MAKEREDY	C	04:31:28		930	1.93
8264	224-S 23 PRESS	9-RUN	C	04:57:32	2300	2345	0.43
5054	224-S 23 PRESS	13-MASH-UP	C	05:40:37			0.71
5054	224-S 23 PRESS	1-MAKEREDY	C	07:07:15		817	1.43
5054	224-S 23 PRESS	9-RUN	P	07:33:17	6900	6690	0.43
Totals					9200	10782	4.93

Payroll Summary Report

Payroll Summary Report

Starting Date: 3-27-89 Ending Date: 3-29-89

Empl. Num.	Employee Name	CCno/ Dept	Shift Num.	Trans Date	Total Hours	Non-Pd Hours	Paid Hours	Start Time	Ending Time	Comment
2310	JOHN A. SMITH	224	1	3-27-89	8.50	0.50	8.00	08:00:00	04:30:00	
2310	JOHN A. SMITH	224	1	3-28-89	8.50	0.50	8.00	07:00:00	03:30:00	
2310	JOHN A. SMITH	224	1	3-29-89	9.50	0.50	9.00	07:00:00	04:30:00	
	Employee Totals				26.50	1.50	25.00			
	Grand Totals				26.50	1.50	25.00			