

**Capacity Planning** Allows manufacturers to plan optimal production based on actual requirements and plant capacity. Production bottlenecks and backload problems are identified before they occur allowing you to be proactive in your plant scheduling. Loading at critical work centers can be planned using the detail capacity planning tools or simulated using the rough cut planning tools. Capacity Planning is a powerful tool for better scheduling, routing, and manpower planning. Important features include:

- Rough cut capacity planning may be done using "bills of resources" to simulate planned growth allowing you to plan your manpower accordingly.
- The Detail Capacity Planning tools convert open and planned manufacturing orders from the MRP schedule to machine and labor resource loads. This allows timephased reporting of resource loads vs. planned work center capacities. Problems can be identified, and the schedule adjusted to improve overall flow on the production floor.
- Labor hour requirements may optionally be converted to timephased dollar budgets for financial planning.
- Detailed reports and displays will allow you to better manage your plant's capacity and make better overall use of your manpower.

The screenshot shows the 'Routings (Enter)' window for 'Company 00 XYZ Company'. The main table lists operations for 'WAGON BODY RED' (Item # 1000, Unit: EACH). The table has columns for Opn seq, Alt#, Operation description, Work Center, Setup hours, Run hours/per qty, and Tooling/CNC reference.

Opn seq	Alt#	Operation description	Work Center	Setup hours	Run hours/per qty	Tooling/CNC reference
10		FORM WAGON BODY	P110	0.250	1.000 / 150 EACH	
20		PREP METAL AND APPLY PRIMER	PB	0.000	0.050 / 1 EACH	
30		APPLY PAINT TO PRIMED MATERIAL	PB	0.000	0.083 / 1 EACH	

Below the table is the 'General' tab with 'Routing data' and 'Shop floor control data' sections. The 'Routing data' section includes fields for Operation seq # (10), Operation alt #, Standard opn #, Opn description (FORM WAGON BODY), Tooling/CNC ref, Work center # (P110), Dept (N/A), Std setup hours (.25), Direct labor (checked), Prod reporting unit (EACH), Stock/prod ratio (1), Std run hours (1.00), per (150), EACH, Direct labor (checked), and Labor hrs/run hour (1.00). The 'Shop floor control data' section includes checkboxes for Report setups for this opn (checked), Report qty for this opn (checked), Report run time for this opn (checked), Overlapped with preceding opn (unchecked), Automatic component issues (unchecked), and Receive to stock at this opn (unchecked).

At the bottom, a legend indicates: <F1> = next record, <F2> = previous record, <F3> = delete, <F5> = add alternate, <F6> = instructions

**PBS Manufacturing** is a powerful, easy to use business management system designed to meet the needs of today's small to mid-size manufacturing company. It provides the tools needed to reduce inventory, streamline production, improve on-time deliveries, manage product costs, improve customer service levels and much more. When coupled with the Passport Business Solutions accounting modules it is a complete business management solution.

PBS Manufacturing is flexible enough to meet the needs of most small to mid-size manufacturing environments. The modular design and many configurable options will allow you to

tailor a system to meet your individual needs. Invest only in the technology you need today and add to your system as your needs change. Whether you make to order, make to stock, or run a job shop, you will find tools that can help you streamline your operations.

There are more than 130 reports and on-line displays placing information at your fingertips. If you can't find the exact report you need, add AcuXDBC® and your favorite ODBC-compliant reporting tools for developing custom reports, and the sky is the limit. PBS Manufacturing will provide you with more information and more control over your manufacturing operation.

