

## Design Your System – Questionnaire & Quotation Request

Name:	<input type="text"/>	Company:	<input type="text"/>
Phone No.:	<input type="text"/>	Email:	<input type="text"/>
Type of products you manufacture:		Details of your existing ERP/MRP system:	
<input type="text"/>		<input type="text"/>	
Brief description of your manufacturing process:			
<input type="text"/>			

1.  Do you make finished products before you have an order from a customer?  Do you make any semi-finished products before you have an order?  
 If you have left both these questions unchecked, then you are a make-to-order manufacturer, so please skip to [section 22](#).

### MAKE TO INVENTORY

- Do you have a sales forecast for each finished product?  
 Is the forecast in periods of :  Days  Weeks  Months
- Is there a different forecast for each period? or  
 one forecast for an average period?
- Is forecast data held in a host system? or  
 Do you want to hold forecast data in Excel?
2.  Do you want a forecast accuracy measurement system?  Is actual demand (rather than invoiced sales) in a host system?
3.  Do you need a demand calendar?
4.  Do you need a demand profile?
5.  Do you want to split monthly forecasts into weeks?
6.  Are there sales order records in a host system? or  
 Do you want to capture them into Excel
7.  Do you want to key in the starting point? or  
 Derive it from somewhere else?
8.  Do you have forecast consumption rules? If so:  
 Example 1?  a  b  c  
 Example 2?  a  b  c
9.  Do you have inventory records in a host system? or  
 Do you want to keep inventory transactions in Excel? or  
 Do you want to capture inventory on hand into Excel?
10. What is the most appropriate unit to express inventory cover in:  Hours  Days  Weeks  Months
11. Do you want to express min/max inventory policy in:  Units  Covers
12.  Do you currently use TOC style Drum-Buffer-Rope?
13.  Do you want an inventory cover report?  Do you also want inventory variance from policy, in dollars?
14.  Are there some make-to-order products?
15.  Do you hold inventory at regional depots or retail outlets?  Do you want a distribution plan with products to be sent to depots now?
16.  Do you want a distribution plan with products to be sent to depots in the future?
17.  Do you need to manage inventory of finished products with MPS?  Do you have a buffer of semi-finished products that needs to be managed?
18.  Do you want to manufacture products with lowest cover first?
19.  Do you want to see ideal vs. achievable inventory reported?
20.  Do you want projected inventory value reported?
21.  Do you want to manage inventory on your customer's

premises?

### MATERIAL REQUIREMENTS PLANNING (MRP1)

22.  Is there just one work centre for each finished product?  Are products made from manufactured sub-assemblies?  
 Do products and/or sub-assemblies go through more than one work centre?  
 Does the BOM data reside in a host system?
23.  Does the BOM have more than one level?  
 24.  Is each level of the BOM in a separate table?  
 25.  Do you hold manufactured sub-assemblies in inventory?  
 26.  Is dynamic re-allocation of inventory appropriate for your business?  
 27.  Is there a record of materials in work-in-progress?  
 28.  Do you have an existing MRP system with pegging?

### PURCHASING

29. Do you want to maintain purchase order records in:  Host System  Excel
30.  Do you want a purchase action report?  
 31.  Do you want purchase exception reports?

### CAPACITY PLANNING

32. Do you want to maintain routing data in:  Host System  Excel  
 33. How is your manufacturing process constrained?:  Machines  Labour
34. Do you want the system to consider:  All work centres  Constraints  
 35.  are there opportunities for a rule based BOM?  are there opportunities for rule based routings?
36.  Do you have inventory of semi-finished products?  
 37.  Do you want capacity planning charts?  
 38.  Do you want variable sized capacity time buckets?  
 39.  Do you have time standards for each product? or  
 Are time standards attached to an attribute of the product?  
 40.  Should change over or set up times be considered?  
 41.  Do you want to apply lead time offsets for capacity planning?  
 42.  Do you want to use closed loop MRP  
 43. What is an appropriate planning horizon?   
 44. What is an appropriate horizon for reports?

### FINITE SCHEDULING

45.  Do you want to use finite scheduling?  
 If the answer to question 45 is unchecked, [then proceed to the end](#). If checked, then continue

46.  Does the logic "the next job can start when the previous job stops" apply?  
 47. What hours do all work centres work:  24 Hours/7 Days  Different Hours
48.  Do products pass through more than one work centre?  
 49.  Are more than one manufactured components assembled together?  
 50.  Do you have multi-machine work centres?  
 51.  Do you have transfer batches?  
 52.  Do you want to apply pull scheduling?  
 53.  Do you have seasonal demand?  
 54.  Do you want a change over or set up matrix?  
 55.  Do you want to manually change the sequence at a work centre?  Do you want to manually re-assign work to an alternative work centre?  
 56.  Do you have works orders or manufacturing orders in a host system?  Do you want the system to "remember" the manually changed sequence?  
 Do you want the system to "remember" alternative work

- centres?
57.  Is there an existing production tracking system in place?  
or  
 Do you want to track production in Excel?
58.  Would you prefer to capture a WIP count?
59.  Do you want to track actual production against a snapshot of the schedule?
60.  Do you want a schedule compliance percentage to be calculated?
61.  Do you want to freeze a portion of the schedule with a time fence?
62.  Do you want to evaluate projected inventory availability?
63.  Do you want to evaluate projected due date performance?
64.  Do you know how to define an "optimum" schedule mathematically?
65.  Is there an opportunity to reduce set up times by grouping like products?
66.  Do you want to evaluate the manpower required to support the schedule?
67.  Do you want to design an optimisation algorithm?
68.  Do you want the system to calculate product costs?
69.  Do you want to do financial projections?
70.  Do you want to display the schedule as a Gantt chart?
71.  Which Gant chart option would you prefer:  a  b  c
72.  Do you want a single row Gantt chart?