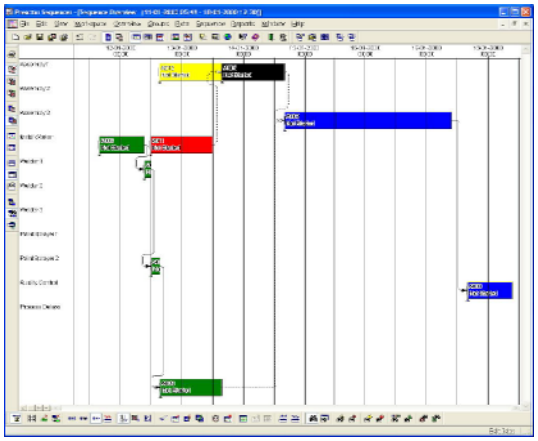
Assembly Controller for Sage Line 50



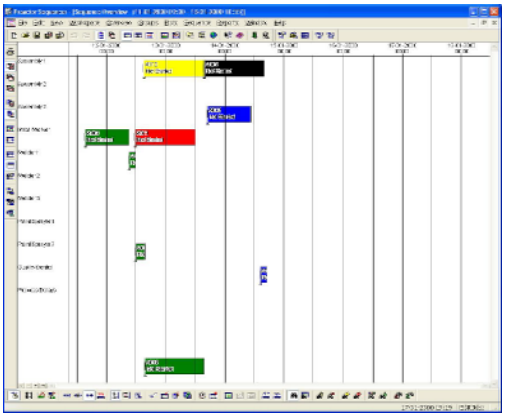
Sage® Powered by Preactor®

The Sage Line 50 Graphical Planner for the Manufacturing Controller is 'Powered by Preactor'. Preactor is unique in the scheduling software world in that it comes in different 'flavours' or versions each having a different set of features and functionality but each with the same set of core components. This means that you can easily upgrade your Sage Line 50 Graphical Planner to one of the Preactor solutions if you need the additional features available.

This leaflet provides information on the additional features available by upgrading to the Preactor Assembly Controller. The upgrade is available to Sage Line 50 Manufacturing Controller users for £4,950.

What is the Preactor Assembly Controller?

The Graphical Planner uses the Manufacturing Controller's Start and End dates for each manufacturing order to synchronise assembly processes. The Start and End dates are calculated during the BoM explosion in the Manufacturing Controller, and whilst they are generally adequate in simple assembly processes in more complex situations it is possible for an assembly to be scheduled before its component parts are available. The Assembly Controller addresses this problem by physically pegging together the orders using the BoM data provided by the Manufacturing Controller.

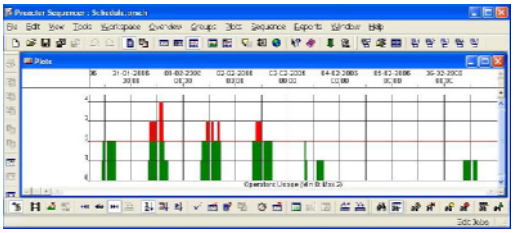


In this Graphical Planner schedule the black wheel assembly operation has been delayed by the yellow operation causing the blue bike assembly to be started before the wheels are complete.

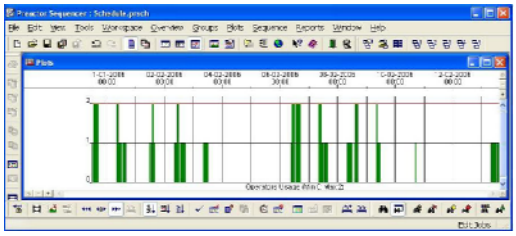
In the second screen shown in the next column the Assembly Controller has pegged the orders together and the pegging is indicated by the dotted arrows (solid arrows are operation relationships within an order). The pegging information has enabled the Assembly Controller to make sure that the bike assembly (blue) does not start until the wheels (black) are complete.

Operator/Tooling Scheduling

The Graphical Planner is a single constraint scheduler. This means that for your primary resources (typically your machines) it will ensure that each resource is only expected to process one task at a time, it does not constrain the usage of secondary resources such as operators and tooling. This can be a problem if you have, say, ten machines but only seven operators so three machines will always be idle. In this environment the Graphical Planner will warn you that you are overloading your secondary resources, but you will have to rectify the situation by manually adjusting the schedule. The Assembly Controller is a multiple constraint scheduler, so it will automatically ensure that you do not overload your secondary resources. In the ten machine example it will only load seven machines at any point in time.



The Graphical Planner has overloaded (red area on the graph) the operator secondary constraint. Manual adjustment will be required to resolve this problem.



Tel: +44 (0) 1249 650316 Fax : +44 (0)1249 443413
e-mail sales@preactor.com website www.preactor.com

If you would like to discuss these upgrade options then contact Preactor International, or one of our Preactor Solution Providers. See our website for details.