BUSINESS IMPROVEMENTS
PlanetTogether APS takes production planning and control to a whole new level with simultaneous finite scheduling of machines, labor, and tooling. Plus with dynamic inventory allocation and multi-level pegging your schedules will be truly realistic and incredibly easy to manage.

KEY FEATURES
- Dynamic Inventory Constraints
- Machine/Labor/Tooling Constraints
- Automated Optimization
- Collaborative, multi-user planning
- Detailed Impact Analysis
- Drag and Drop rescheduling
- Unlimited Undo/Redo of changes
- Alternate resource assignment
- Lock/Anchor/Expedite/Hold options
- Resource & Job Gantts
- E-Mail Alerts
- Unlimited What-If Scenarios
- Detailed shift and holiday calendars

REPORTS
- Schedule by Resource
- Schedule by Department
- Impact Analysis
- Key Performance Indicators
- Performance Monitor
- Job Status
- Online Work Dispatch
- Resource utilization
- Projected Inventory Plot & Grid
- Change History

INTEGRATION
- Easy integration to ERP and other external systems.
- Import Resources, Jobs, Inventory
- Export schedule dates and details
- SQL Server, XML, or API

Optimize Usage of Production Resources and Inventory with Advanced Scheduling Rules and Drag-and-Drop Scheduling.

Do you have problems scheduling production and adjusting for day-to-day changes? Are orders late because there is no visibility of capacity? Are you caught in a cycle of expediting without understanding the impact of changes?

PlanetTogether APS is one of the most powerful and easy-to-use Advanced Planning systems available. It quickly produces extremely accurate schedules that take into account machine, labor, tooling, and inventory constraints simultaneously.

PlanetTogether APS incorporates changes that are made to orders, resources, inventory, routings, and bills of material automatically, resulting in schedules that are always up to date.

Planners can perform "what-if" analysis to see the impact of proposed schedule changes to avoid making costly mistakes. Any changes can easily be evaluated with the Impact Monitor and undone when necessary. PlanetTogether APS gives you the visibility and tools you need to stay in control and deliver on time.
Simultaneous Machine, Labor, and Tool Scheduling
- Operations can be scheduled with any number of finitely constrained resources including: machines, labor, tools, etc.
- Labor can be scheduled by scheduling specific Employees or by specifying labor pool assignments to Machines.
- Multiple Employees or a fraction of an Employee’s attention can be scheduled for a particular Job step.
- Sub-contract resources can be scheduled as “infinite” resources to incorporate expected lead-times.

Dynamic Inventory Allocation and Pegging
- On-hand inventory is allocated to Jobs to visually indicate which Operations are ready and which are waiting for material.
- Operations lacking material are automatically delayed to the expected receipt date of the material (or now plus lead time if no scheduled receipts exist).
- The production of subassembly Jobs is dynamically pegged to Jobs that will use those materials thus providing a synchronized, material feasible schedule at all times.

Powerful Optimization Engine
- Slider-adjustable, resource-specific Composite Dispatch Rules for balancing between any combination of: due date, priority, revenue, WIP reduction, setup time reduction, work remaining, and many more.
- Theory of Constraints scheduling with Drum-Buffer-Rope logic.
- JIT (Just in Time) scheduling to minimize Work-In-Process inventory.
- Can be run on demand or at timed intervals.

Multi-Planner Collaboration
- Planners simultaneously manage schedules for the operations they know best.
- Have the freedom to schedule the way that fits your business – by work center, by department, by facility, by product line, or by customer.
- Each planner has visibility into all schedules.
- Supports any number of simultaneous Master Scheduler, View-Only, and What-If Users.

Easy-to-use Manual Scheduling Tools
- Drag-and-drop that always respects all constraints and automatically moves other work out of the way.
- Operations can be moved to different times and different (eligible) resources.
- Anchor or Lock Jobs to prevent them from rescheduling to a different time or resource.
- Expedite Jobs as reality dictates.

Adaptive Factory Modeling
- Automatic resource selection by Work Center, Operation type, or specific machine assignment.
- Sequence-dependent setup time calculation.
- Overlapping operations can shorten flow times.
- Precise calendars for planning shifts, overtime, maintenance, and holidays.
- Finite, Infinite, or Multi-Tasking Resources
- Many-to-many Operation relationships
- Alternate Routings for multiple ways of making the same item.

Efficient, Flexible User Interface
- Powerful Gantt with infinitely customizable activity labels and tooltips.
- Color coding to show timeliness, status, firmness, etc.
- Full screen Gantt mode.
- Monitoring of demand changes and production status changes for informed decision making.
- History tracking of all system objects to determine the source and timing of changes.
- Capacity Plan graph and grid for visualizing resource utilization and availability.
- Easily find or highlight Work Orders in the Gantt.

Insightful, Safe “What-If” Impact Analysis
- Detailed listing of all orders affected by any schedule change.
- Key Performance Indicators and graph to track schedule quality.
- Undo/Redo of user actions for safe evaluation of alternatives.
- Live and multiple What-If Scenarios for clear separation and control of real and experimental schedules.

Scheduling for Companies Large and Small
All functionality described above is available in both the Enterprise and Standard Editions, with the exception of these Enterprise-only features:
- Dynamic Raw Material Allocation
- Sub-assembly Constraints
- Multi-Plant Scheduling

The most telling fact of how PlanetTogether has impacted us is that when we started implementation we averaged 77 systems that were past due for delivery. We are now typically running 4 to 6 systems. The value of this change to Anspach cannot be overstated.

Thanks again for the exceptional product and exceptional support.

- Bruce Hays
  Director of Manufacturing
  Anspach Companies
Minimum System Recommendations

These are the minimum recommendations for hardware and software for running PlanetTogether APS.

Server Recommendations

- Microsoft Windows 2000 or XP Professional, or 2000 or 2003 server
- 2 GHz processor
- 2 GB of physical RAM *
- 10 GB of hard disk space
- Internet or wide-area network access for distributed systems

Master Scheduler Client Recommendations

- Microsoft Windows 2000 or XP (Pro or Home)
- 2 GHz processor
- 1 GB of physical RAM *
- 5 GB of hard disk space
- 21” UXGA (1600 x 1200) monitor

View-Only, What-If Client Recommendations

- Microsoft Windows 2000 or XP (Pro or Home)
- 1 GHz processor
- 512 MB of physical RAM *
- 5 GB of hard disk space
- 19” UXGA (1600 x 1200) monitor

* Special Considerations

The above recommendations are for applications with up to 1,000 resources and 5,000 production operations. For higher volume applications, calculate the requirements as follows:

- 50 MB of RAM and hard drive space for every 1,000 operations
- 30 MB of RAM and hard drive space for every 1,000 resources
- For best performance, use dual-processor PCs for Master Scheduler clients and the Server.