

# MANUFACTURING PLANNING AND EXECUTION SOFTWARE

SIMPLE AND POWERFUL SHOP FLOOR 'SCHEDULING' THAT WORKS!

## The Manufacturing Dilemma

You have dozens or even hundreds of jobs and work orders out in your shop at any one time, all competing for limited resources – machines, people, tools, material. There's a promised ship date for each and every one, a commitment you've made to your customer. How are you going to get all those orders out on-time? How can you be sure which to work on next? How do you know you'll have all the resources you need to get it started and finished on-time?

## There is an Easier Way

You may be trying to manage it today with a magnetic white board, or spreadsheets. Manual methods are time-consuming and don't give you future visibility. You may have even tried traditional scheduling programs, but they get complicated quickly, and don't tend to leave much room for error or unforeseen events which happen every day.

Job/Work Order Priority	Part #	Qty	Due Date	Material Required	Next Step
Job# 342234-1	ABC123	20	4/11/2018	SSA 461	Debur
Job# 343457-1	XYZ-987	4	4/17/2018	Inconel 342	Lathe
Job# 342455-1	TER-378	63	3/26/2018	Titanium 782	Heat Treat
Job# 342455-1	UYR-209	12	5/11/2018	SSA 578	Grinding
Job# 342874-1	YE-2736	345	6/21/2018	Alum 4x8 sheet	Assembly

## Introducing Protected Flow Manufacturing™ The revolutionary way to plan and execute on the manufacturing floor!

These unique Execution and Planning tools give you the visibility, capability and confidence to deliver your orders to your customers on-time, in less time, every time.

### Protected Flow Execution

**Makes sure you're working on the right things at the right time in the right order.**

**Controls:** How and when jobs and material are released to the floor. While it may seem 'intuitive' to think: "The faster we can get more work onto the floor, the faster and more work will come out as finished jobs, right?" *Actually, no.* Google "Little's Law", a proven LEAN concept: The LESS that is released to WIP, the faster whatever is in WIP will FLOW. *Less is faster.*

**Prioritizes:** Whatever is in WIP needs to be prioritized in an easy-to-understand way. Protected Flow Manufacturing's priority minimizes the risk of being late and makes sense. People 'get it'. If they don't get it, they won't follow it.

### Protected Flow Planning

**A Crystal Ball for your Shop Floor!**

**Highlights jobs that are at risk of being late (or predicted to be late):** It also highlights specific issues with jobs that may cause them to be late and pinpoints the resources (machines, manpower, materials, tooling, even outside resources) that will prevent the smooth execution of your shop orders. More importantly, it clarifies what you need to do now to fix them for a better future.

**Takes you for a Walk through your Shop into the Future:** And shows you what jobs will be worked on when; and what, if any, obstacles each job will encounter along the way; Such as not having material, not having enough machine capacity, or that critical tooling will not be available at that future moment in time. You can actually watch as your current shop load is 'executed' by stepping through the hours, days, and weeks of your shop's future!

# SIMPLE AND POWERFUL SHOP FLOOR 'SCHEDULING' THAT WORKS!

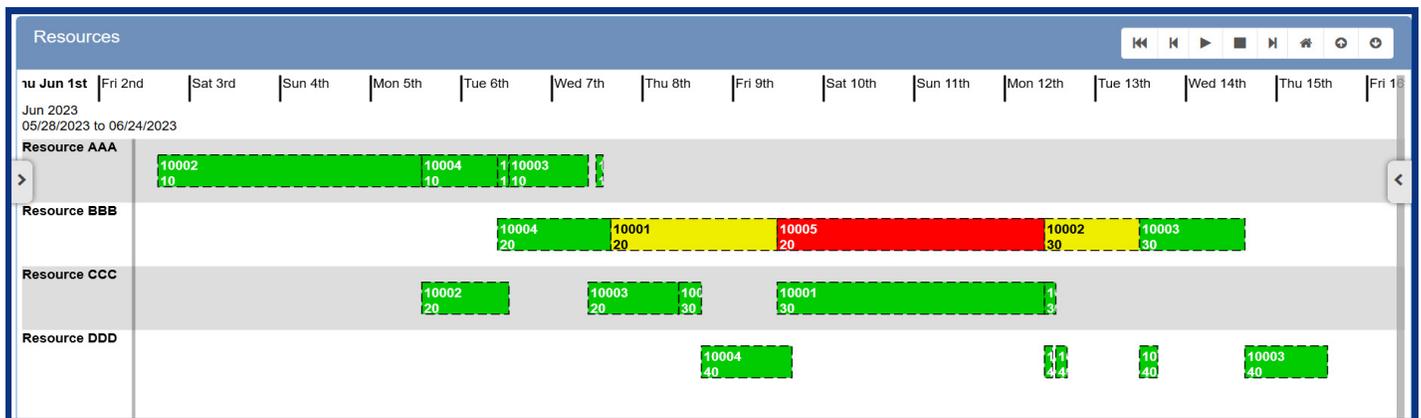
## Protected Flow Execution

The secret behind the power of Protected Flow Manufacturing is not hidden within a fancy 'planning' or 'scheduling' computer program. Rather, it is the simple and easy-to-understand way in which it sends orders to the floor and the priority they get while there.



## Protected Flow Planning

Planning is also greatly simplified: The execution methodology you use every day is simulated to show how your orders will be executed in the future, highlighting potential problems along the way.



## Watch Your Bottom Line Grow

Your bottom line will grow as throughput, productivity, and profitability blossom using Protected Flow Manufacturing by LillyWorks.

- Reduce WIP and free up cash invested in inventory
- Reduce quoted lead-times to prospects to beat your competition
- Increase Flow – Material Flow, Cash Flow → Profitability

## Easy to Use. Easy to Implement.

- ✓ Cloud-based, Software-as-a-Service offering based on an annual contract paid monthly.
- ✓ Accepts data from virtually any data source, and has a standard Connector to most ERP systems.

## Contact Us

for more information or to schedule your demonstration of how Protected Flow Manufacturing can help improve your company's bottom-line results today!