

Tooling Scheduling - Jobpack

Proper Tooling advanced the way we plan and schedule workload across all facilities using a new software named JobPack. Advancements include visibility to the work scheduled in design, outsource, PGIM, CEPS, program management and try out area. The system now includes all change orders. Visibility to change orders in the schedule has made a positive impact to understand machine capacity for planning and impacts to job timing and customer communications.

The scheduling team offers training on the software which consists of a "User Interface" program to start/pause/ stop jobs and change jobs to alternate machines. Supervisors have access to detailed order and schedule information by way of a viewer program showing actual capacity utilization, scheduled operations and complete access to the scheduling tools (just no "Save" button). The scheduling team inputs the work order information using job templates for each key group of operations and manages changes along the way with the whole team. They are there to help anyone with JobPack.

For everyone, Proper I/T developed a dashboard program to search job related information for all users. No licenses are required, just a web browser link to JPCORE/. The dashboard offers downloadable MS-Project and Excel output. Job information can be searched to show progress at each operation and logbooks to scheduled resource terminals that define our work centers, machines, designers, purchasing, assembly and try out to name a few.

We appreciate everyone's efforts to make JobPack a success as many of you input job timing into the user interface program and indicate important milestone completion steps that allow others to see if a job is on-track or approaching a risk point.

STEP FILE VIEWER - BLY

Our initiative to simplify design document exchange, reduce replication, and lower costs related to the creation and storage of multiple file formats resulted in an enterprise decision to use "STEP" as our internal standard. Our CAD system, Cimatron, produces STEP files to exchange data with the manufacturing systems like Tebis and others that don't naturally exchange in the same format. STEP is defined as "Standard for the Exchange of Product Data" and is the successor to older IGES formatted files. STEP model files often use the .STP file extension.

To quickly view STEP files, our design leadership worked with I/T and selected BLY as the Proper standard software to quickly and easily view a file. You will see BLY as the associated file type which automatically brings up the viewer program.

Please help us support the corporate initiative to avoid using IGES internally and reduce overhead, cost and replication. The IGESTOOLBOX program is no longer supported in the industry.

PURCHASE ORDER REQUISITIONS

In January, we launched an enterprise wide program to replace paper Purchase Order Requisitions and advance the way we grant approval thru the necessary channels. The program uses the Microsoft Azure cloud platform Dynamics 365. Dynamics provided a quick means to configure our paper form on a web screen and ultimately produce a PDF/Word representation of the PO once approved thru the proper channels. The vendor approval process was also incorporated in Dynamics to reduce paper flow and automate manual processes.

In the first six months, we processed over 3,400 PO requests thru Dynamics. We continue to improve the work flow using reminders and e-mail notifications to help stay on-track. We appreciate your support in making the system a success in the way we reduced paper costs and simplified manual process. Special thanks to the Purchasing Department for working together to build a better system.

MANUFACTURING EXECUTION SYSTEMS - POLYMERS

A major step to advance our manufacturing process in the Polymers plants incorporated a new system named "Earn-A-Label" or EAL. The system was first piloted in Greenville in late 2017. Subsequent versions were deployed in Anderson and Pulaski in early 2018. EAL tracks production and creates label for containers and parts in a real time, accurate manner. Proper I/T developed the program along with key operations associates to help reduce manual processes, eliminate errors