CREATE BALANCED PROCESS PLANS

Process Planner delivers essential process planning and plan management capabilities for all manufacturing industries.

Process Planner provides tools to create and manage the product, process, and resource (PPR) structure for a project or program. The initial process plan can be efficiently created and validated using the product structure from product engineering. The plan can be modified to specific requirements with products and resources linked to the steps of the plan. In addition, the workload can be balanced between resources. Plans are able to be leveraged by downstream stakeholders, reducing rework as plans are enriched from concept to execution.
Reduce cost and risk
Planners can spot process planning issues early in the design stages, when change is easier and less expensive. Early detection and resolution of issues also reduces the risk of manufacturing sequence issues, missed ramp-up and production schedules, and missed capacity targets.

Easy to use environment for project managers and administrators
Users can quickly and easily define and manage PPR structures, relationships and business processes. Downstream stakeholders get a better understanding of the relationships between Manufactured Item, Manufacturing System, and Resource.

Reduce time-to-market
Process planners can recover and resolve product- and process-related issues early in the planning stages by collaborating with the product designer and other stakeholders. Process engineering time is reduced and ramp-up-to-production times are shortened.

Capture and leverage best practices
With the single-click scope-of-work capability, operations that have not been assigned to a resource can be quickly identified to complete the process plan.

Improve resource utilization with line balancing
Planners can improve utilization of resources by balancing operations in the planning stages. As they move operations from one manufacturing system to another, resource utilization is checked to help achieve desired cycle times. Planners can identify and reduce non-value-added activity.

Role Highlights
- Groundbreaking 3DEXPERIENCE® platform
- Author and manage manufacturing process plans
- Automatically generate process plans based on product structure
- High-level relationship authoring: defining the product’s scope
- Operation graph in System Editor
- Validate the process plan in the context of the 3D layout
- Identify the process planner’s scope of work with a single click

Our 3DEXPERIENCE Platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.
Dassault Systèmes, the 3DEXPERIENCE Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes’ collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 190,000 customers of all sizes in all industries in more than 140 countries. For more information, visit www.3ds.com.