STEP 1 - FOCUS Vortex™ focuses on a given Work Center (WC) and calculates the amount of time until it will need more work that is currently authorized. (Need Time – The time until a Work Center will consume all of the work that is currently authorized for it)

Step 1 – FOCUS

Finally. It's about time! How does it work?

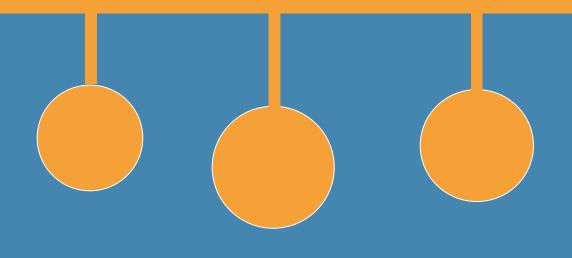
Vortex™ is a workflow-agnostic, time-based, demand-pull, real-time production dispatching solution for complex manufacturing environments. Demand-pull is now available for the complex factory.

How Does Vortex™ Work?

Step 2 – IDENTIFY

STEP 2 - IDENTIFY Vortex™ identifies the highest priority, unauthorized, Work Order (WO) in all Upstream Adjacent (UA) Work Centers.

Step 3 – CALCULATE



STEP 3 - CALCULATE Vortex™ calculates the amount of time the said WO will take to reach the focal Work Center (Arrival Time – The time that a Work Order, queued in a Work Center, will take to arrive at the next Work Center in its workflow routing.)

Step 4 – Authorize

STEP 4 - AUTHORIZE Authorize the WO if, and ONLY if, Arrival Time is greater than or equal to the Need Time using the patented Vortex™ algorithm.

Step 5 – Repeat & Learn

STEP 5 – REPEAT & LEARN Flow times are based on time standards that are not aware of the real-time manufacturing conditions. Industry 4.0 machine learning will improve the time computations.



Demand-Pull Dispatching for Complex Manufacturing Environments. Vortex[™] *It's about time!*



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