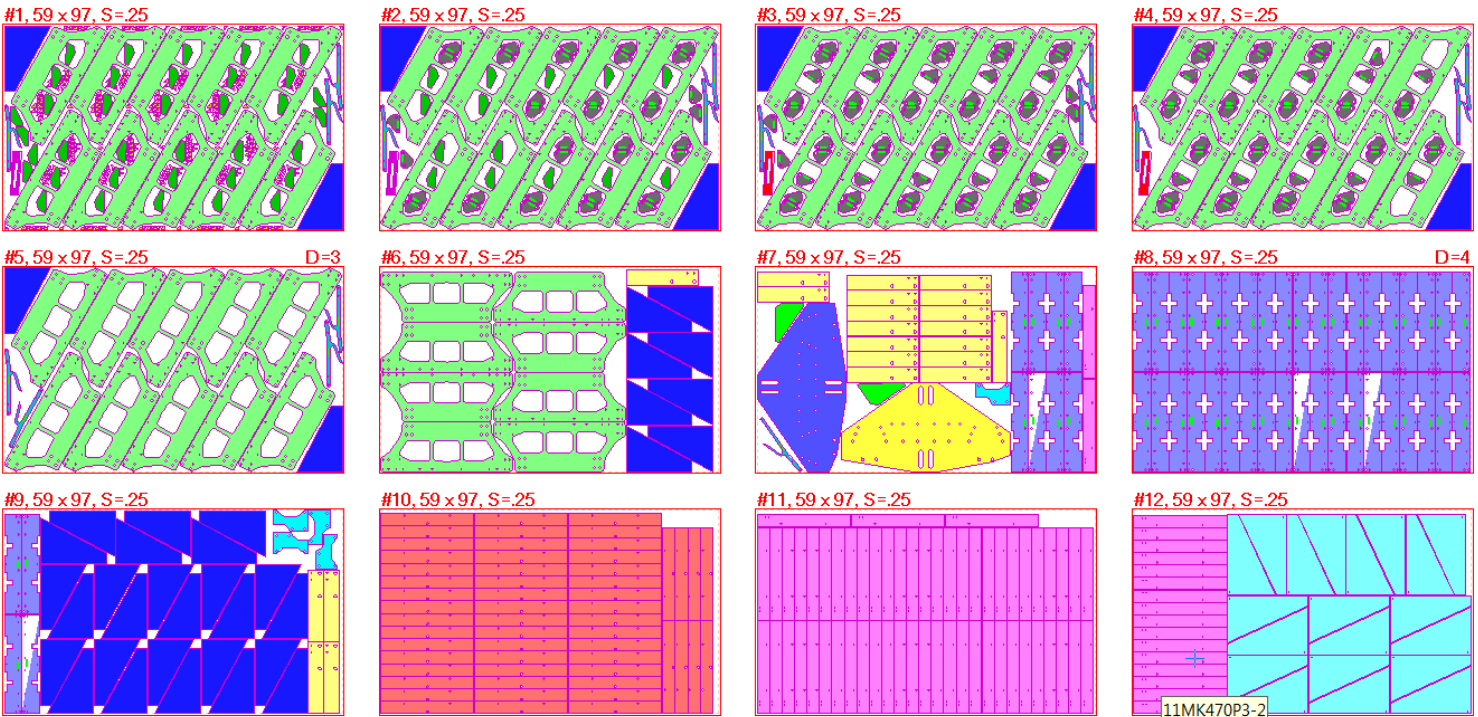


P.E.P. TECHNOLOGY[®]

Automated Manufacturing with High Tech Software

How WIP has Changed Manufacturing at Wacker Neuson Corporation

Typical WIP nest generated by Wacker for the lasers.



An interview with Dave Mader

- **What is your laser back ground?**
I worked for Cincinnati Incorporated for 8 years as a field service technician and laser specialist. I traveled extensively across North American, South American and Great Britain, installing, troubleshooting, and performing laser maintenance. I began working at Wacker 14 years ago as the Maintenance Supervisor, then joined the manufacturing / engineering department as the Laser Specialist.
- **What types of laser machines does Wacker Corporation have?**
Wacker currently employs over 500 people and has a Mitsubishi LVP, and an LVPlus laser. Both are 5x10ft beds with 4kW resonators. Both lasers are integrated in a cell being supplied by a 15 drawer tower.
- **How many hours are the laser machines run?**
24 hours per day, 5 days per week

	QUESTION	WACKER REPLY
	Speed of processing orders <ul style="list-style-type: none"> . Methods/number of steps required to find files . Time to analyze the jobs to be cut . Prioritize the jobs to be cut . More nests produced with less effort 	After using Wip for 10 months, I am saving +8 hrs. of my time (and increasing) each week. This allows me to focus on other aspects of my job, such as trying to find ways to improve quality, efficiency, and helping laser operators with issues that come up. I estimate the <u>programming savings</u> to be about 400 hours per year.
	Material Yield <ul style="list-style-type: none"> . Nesting multiple parts out of the same material type and thickness . Filling more empty spots 	We have always tried to create full nests to eliminate remnants. With Wip, we can now copy parts into a nest based upon work order due dates to fill the plate up in seconds. This saves a great deal of time (hours per month) and ensures we cut the correct quantities.

<p>Accuracy in processing orders</p> <ul style="list-style-type: none"> . Part revisions . Change orders . Part quantities . Other 	<ul style="list-style-type: none"> • The Wip revision checking has prevented us from cutting the wrong part revision many times. • Manual “order entry” data errors are now gone. • I like the way WIP compares the converted drawing material saved in the drawing database to the material type that is in our ERP order system. If there is a difference, Wip prompts indicating that the materials do not match. We have seen several work orders where the bill of material was wrong. PEP saved us from cutting the parts out of the wrong material thickness.
<p>Machine Productivity</p> <ul style="list-style-type: none"> . Having the right job ready to be cut . Ability to add rush jobs to scheduled nests 	<p>Because nesting with PEP is quicker and easier, it allows time to get the HOT job added to an existing nest, or do another small nest with the HOT job plus some additional work orders.</p>
<p>On Time Delivery</p> <ul style="list-style-type: none"> . Misplaced orders . Delay . Ease of processing 	<p>We use the tracking more and more, often because if someone requires a certain part or work order we can find it and tell them what stack of material it is in.</p>
<p>What Features in Wip do you use the most</p> <ul style="list-style-type: none"> . Part revisions . Change orders . Part quantities . Other 	<p>The most important single feature for us is the revision level / correct material confirmation that it does when processing work orders. We are always making improvements in our products and need to track the changes and double check that we are using the specified material.</p>
<p>Is Wip better than your previous methods of generating nests?</p>	<p>WIP is faster, more accurate, and less fatiguing than our previous method of nesting. Instead of manually entering all the information, now we do the entire job in a few clicks and I’m moving on to other nests.</p> <p>I can now search by work order number and customer to find the nest that the parts are nested on.</p>

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