

# One of the Many Metro Metals & Design Success Stories

After an intensive CAM software evaluation process, Metro Metals & Design purchased P.E.P. to run their two Bystronics Lasers in 2005.

BEFORE THEY BOUGHT, KEN TROUTMAN, PRESIDENT OF THE COMPANY SAID;

- we have no lag time in our programming department now to evaluate software.
- I am hesitant to make changes because what we have works.
- I can not see how changing software could possibly increase the laser productivity by 20%,

A year later when they had time the evaluation got underway. They decided that they needed more than automatic nesting software, they wanted a software product that could reduce all of their manual programming tasks AND run their laser faster. What you are about to read is an overview of their operation and a specific example of how their operation has been automated.



Customer : Metro Metals & Design  
Contact : Kaushik Patel Programmer  
Equipment : Bystonics (2) 2800W and a 1500W  
CAD software : AutoCad  
Previous CAM software : AutoCAD, Smart CAM and Bysoft

Having switched to P.E.P. more than a year ago they now report:

- **Programming savings are now running more than 20 hours per week.**
- **Both Laser's now cut significantly faster.**

**P.E.P.'s "Combine Cutting" saves an additional \$17,400.00 vs. the AutoCad and Bysoft approach.**

What you are about to read is one aspect of the P.E.P. software and how a single feature saved \$17,400.00. Their OLD method of common cutting multiple parts took 6 steps and a lot of time:

- Step 1. Calculate the number of parts per column.
2. Manually draw the required parts in AutoCAD
  3. Calculate the kerf offset and join the parts into one part
  4. Sequence geometries manually
  5. Import the common cut parts into Bysoft and nest them.
  6. Sequence and assign lead-ins
  7. Post the nest

The same task with P.E.P. can now be done automatically in under a minute.

- Step 1. Draw the individual part in AutoCAD
2. Select Bullet and enter the total quantities required. P.E.P. does the nesting, sequencing, assigning of lead-ins and develops the cutter path automatically.

## LONG TERM BENEFITS

Now that the combine cutting is done automatically, the number of jobs they combine cutting has gone up from 60% to 80%.