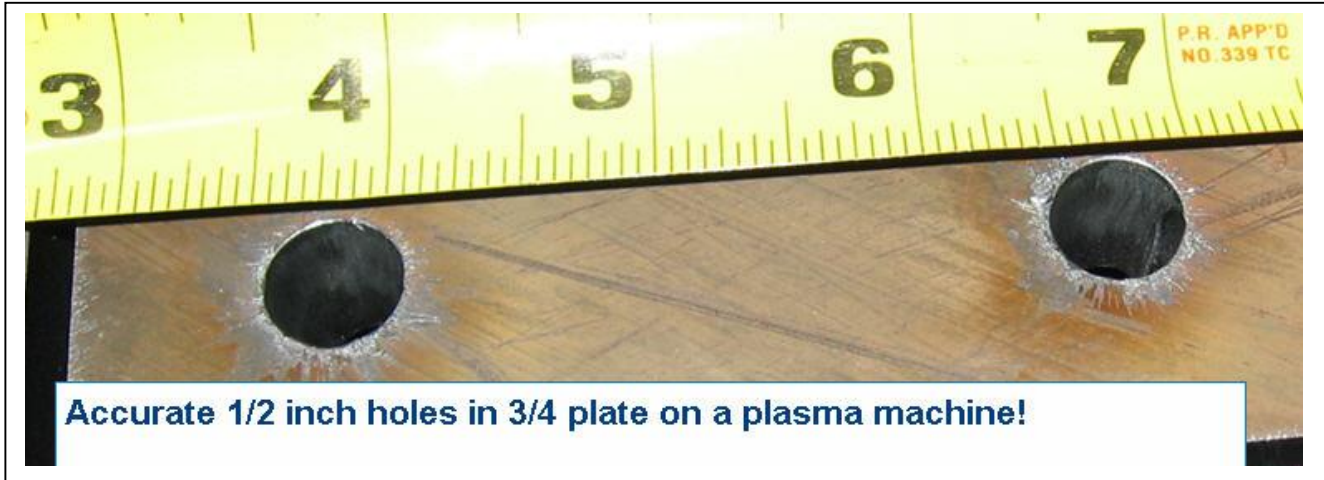


P.E.P. INCREASES PRODUCTIVITY AND IMPROVES PART ACCURACY

Chapin & Bangs cuts smaller holes more accurately with the P.E.P. PLASMA CUTTING technology.

The production part below with 1/2 holes in 3/4 plate was cut on a MG plasma cutting machine with P.E.P.



P.E.P. Technology has helped Chapin & Bangs cut costs and improve their operations as follows.

P.E.P. BENEFITS:

- Getting more orders for parts with small holes
 - Cutting faster! 5 minutes saved on every pierce!
 - Less re-work for customers- accurate holes eliminate need to drill.
 - Increased material yield, more parts per sheet!
- Parts are now nested 1/4 to 1/2 inch closer because there is no slag to avoid..

Tim O'Connor's programming comments about the job

What is your title? **Programming Manager**

What are you responsible for? **Engineering, Prototyping and Programming**

What types of machines do you program for Chapin & Bangs?

- **Laser:** 1 **Trumpf 6030 laser**
- **Plasma** 2: 1 **Hypertherm Plasma with the Micro Edge control, 1 Allen Bradley**
- **Flame:** 3: 2 **Burny, 1 Allen Bradley**

How many years of experience does the most experienced programmer have? **8 years**

What was the previous programming software? **Tops and SDS**

What are the most significant programming advantages to using P.E.P. on thick plate? **The lead-in's are applied AFTER the parts are nested resulting in better cut quality. This also makes it faster for me because I do not have to manually move lead-ins, or double check all the lead-ins. Before P.E.P., I was always having to move parts after the parts were nested.**
