

# P.E.P. TECHNOLOGY<sup>©</sup>

***Tomorrow's Automated Manufacturing Technology .... Today!***

## **WHAT IS YOUR LASER'S HEAD RAISE TIME COSTING YOU?**

The nesting log at Milacron Plastics documented that 230,729 head raises were eliminated in the first 10 months using the P.E.P. Technology software!

### **Laser Head Raise Savings ( \$88.00 / hour )**

The first 10 months of laser operation saved \$22,559.68 in head raise time!

The five year ROI on the "Head Raise Savings" is \$135,000.00!

Milacron's Cincinnati CL-7 laser has a contact head that requires 4 seconds to raise and lower the head between rapids. Using the P.E.P. software in the fully automatic mode, the software developed cutter paths to SAFELY rapid with the head down eliminating 230,729 head raises that the Optimations software had previously required.

Milacron Plastics CI-7 Contact Head



## **AN INTERVIEW WITH STEVE FISH**

**Q. What is your title?**

A. Senior MFG Engineer for Milacron Plastics

**Q. What are you responsible for?**

A. Programming of the lasers and other machines, administrative software and maintaining the computer network.

**Q. How many lasers are you responsible for?**

A. 2 lasers

**Q. What was your former CAM software?**

A. Optimations

**Q. What CAD software do you draw with?**

A. Pro-E and CADRA

**Q. What comments have the Laser operator made?**

The laser operator is now very happy with the laser cutting with the head down. Approximately 60-70% of the jobs are run with the head down saving 4 second per head raise. We cut many slotted parts having 20-70 slots per part, dramatically reducing the run time.

**Q. How accurate are the "head raise" savings?**

We based the annual savings on a machine rate of \$88.00 / hr. The following are the hourly calculations...We cut 16 hours per day, 5.125 days per week (1 week out of 4 we run a shift on Saturday) x 50 weeks, equals 4,100 hours per year. Ten months of that equals 3,416 hours.  $256 / 3,416 = 7.494\%$  savings.

Using 230,729 head raises saved over 10 months, times 4 sec = 922,916 seconds

$922,916 / 3,600 = 256.36$  hours of machine time

With a Laser hourly cost of \$88.00 per hour,  $256.36 \times 88 = \$22,559.68$  in 10 months