

P.E.P. TECHNOLOGY[©]

Tomorrow's Automated Manufacturing Technology Today!

P.E.P. Cuts 38.5% FASTER than Optimization

The fully automatic CUTTING TIMES and PART QUALITY outlined in this benchmark were done by Milacron Plastics. The benchmark compares the fully automate laser machine code of both software products, the machine cutting time and the part quality as cut on their Cincinnati CL-7 laser.

AUTOMATION OF THE SOFTWARE

Both P.E.P. and Optimization were able to perform all facets of the test automatically without the programmer having to perform any of the programming steps required to cut the parts.

CL-7 MACHINE CUTTING TIME

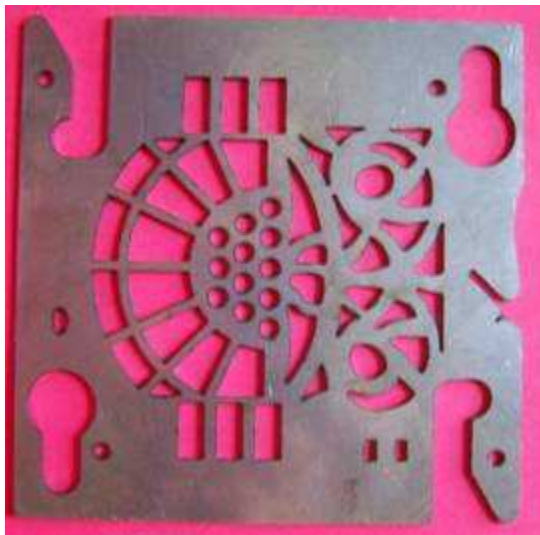
P.E.P. slashed Optimization's machine run time by 38.5%

PART QUALITY

Even though it took the Optimization's code 1/3 longer to cut the same part on the same machine, the part was not satisfactory and was considered a reject.

P.E.P.'s Results

No burns, Exceptional part quality



Optimization's Results

Burned corners, Rejected Part



Milacron Plastics purchased the P.E.P. Automated Manufacturing software to automate their manufacturing methods and to increase their shop's productivity. As part of the

implementation and training process, they benchmarked the cutting speed of their new P.E.P. software.

Test date	:	Cincinnati CL-7	CUT TIME
7/13/05		P.E.P. 2005 software	2 Min 48 Sec / 1 Part
Laser	:	Optimization Software	4 Min 41 Sec / 1 Part
Cincinnati CL-7		Time Savings	1 Min 53 Sec
Prior software	:	Productivity Increase	38.5% reduction in time to cut one part
Optimization			
Material	:	Part Quality	Optimization had burns in corners
ga. mild steel	: 14		No burns on PEP part

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