

P.E.P. TECHNOLOGY[®]

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

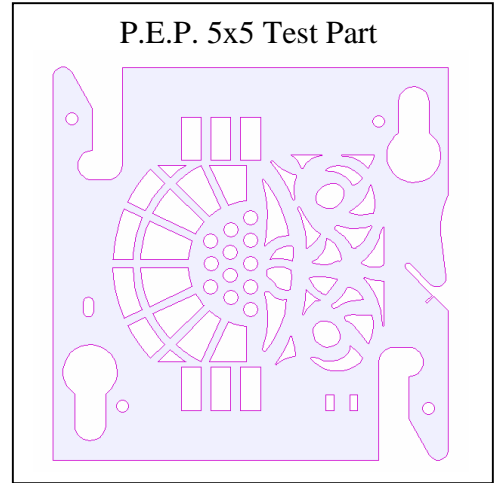
P.E.P. Technology 5x5 Benchmark Results at Champ Industries

Test date – 2/13/06

Laser: Trumpf 3030 / Trumpf 3050

Previous nesting software: ToPs

Material: 14 gage SS 304



Machine / Trumpf 3030	CUT TIME
Original Software	18 Min 20 Sec / Four Parts
P.E.P. 2005 software	6 Min 16 Sec / Four Parts
Productivity Increase	PEP processed four 5x5 parts in 1/3rd the time it took ToPs!
Machine / Trumpf 3050	CUT TIME
Original Software	9 Min 52 Sec / Four Parts
P.E.P. 2005 software	5 Min 40 Sec / Four Parts
Productivity Increase	PEP processed four 5x5 parts 57% faster than ToPs!

What does a **57%** improvement in nest processing speed represent in terms of laser productivity?

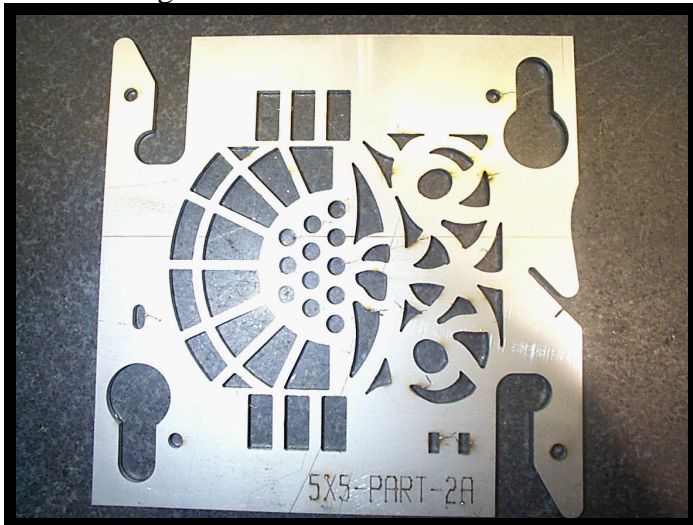
If the single laser billing rate is \$100 per hour and you are running 2 shifts, 5 days per week, 50 weeks per year, the billable time per laser would be \$400,000.00. Running 57% faster means that you would bill the \$400,000.00 in 28.5 weeks, leaving 21.5 weeks to do additional work that would bring in \$172,000 PER YEAR!

21.5 weeks saved x 5 days per week x 16 hours per day x \$100.00 = \$172,000.00

Five years savings – DO THE MATH

	Number of lasers	10% Increase @\$100.00	20% increase @\$100.00	30% Increase @\$100.00
	2	\$400,000.00 per 5 years	\$800,000.00 per 5 years	1,200,000.00 per 5 years
	4	\$800,000.00	1,600,000.00	\$2,400,000.00
	6	\$1,200,000.00	\$2,400,000.00	\$3,600,000.00

ToPs Cutting results



P.E.P. Cutting results

