



CASE STUDY:

Cost Savings by a Rolling Die Fastener Manufacturer

BACKGROUND: Our customer, a major rolling die fastener manufacturer based in Illinois, makes rolled threads which are measured in Linear Feet (LF). The major costs in manufacturing are the dies and the cost of regrinding them. Obviously, the more LF each die can produce in between regrinding is required (regrinding cycle 7 times), the more productive and more cost-effective their manufacturing process can be.

BOTTOMLINE: With PST, our customer found that they could produce 3 times more LF per given die, and even with the increased cost of PST treatment, their overall manufacturing cost per LF decreased by 16%, resulting in over \$461,000 in direct and indirect cost savings over their total production run of 15 million LF.

	Base Process without PST	New Process with PST
Cost Per Die	\$1,800	\$1,800
PST Cost Per Die	---	\$8,000
Regrinding Cost	\$2,800	\$2,800
Shipping Costs Per Die	\$700	\$800
Total Cost Per Die	\$5,300	\$13,400
LF Produced Per Die	48,000 LF	144,000 LF
Cost Per LF	11.0c/LF	9.3c/LF
Cost to Produce 15 million LF	\$1,656K	\$1,395K
Dies Used	312	104

PST cost may appear high on surface, but over the entire production run, it ended up saving significant money for our customer

Each shipping for regrinding is \$100, and then one extra \$100 for PST treatment

Dies with PST produced almost 3 times LF versus untreated dies

Direct cost savings of \$261K to produce 15 million LF

Direct savings of \$261K, indirect savings of \$200K, for a total savings with PST of \$461K for the same 15 million LF produced

Additionally, indirect savings of \$200K (67% less invoicing, shipping, stocking and receiving, and 208 times in fewer setup times) because of 208 fewer dies

Contact us today to get your tools and components treated with PST. Our sales engineers will explain to you the PST Process and demonstrate PST's superior technology with an initial proof-of-concept application at only a nominal cost to you.