

Z-Carb



Kyocera SGS Precision Tools Case Study

INDUSTRY



ENGINEERING

MATERIAL

1018 Steel

PRODUCT

KSPT Z-Carb High Performance End Mill

APPLICATION

Milling

COMPETITOR

4-Flute HP End Mill

COOLANT

Emulsion

TOOL INFORMATION

.375" DIA / 7/8" LOC / 2.5" OAL



GOALS

The goals of this study were to significantly reduce tooling cost through an increase in tool life.

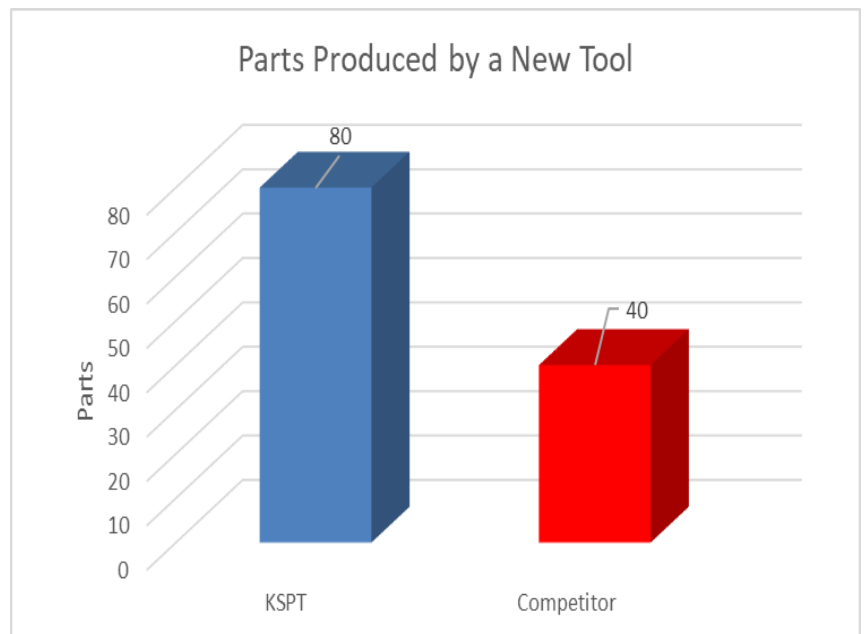
STRATEGY

KSPT approached this job with a 4 flute Z-Carb High performance end mill. KSPT's Z-Carb is widely known around the world for its unparalleled efficiency in cutting operations. It was the first and still the best variable geometry end mill on the market.

	KSPT	COMPETITOR
TOOL DIAMETER	.375"	.375"
SPEED	2500 RPM	2500 RPM
FEED	21 IPM	21 IPM
RADIAL CUT (AE)	.3125"	.3125"
AXIAL CUT (AP)	.175"	.175"

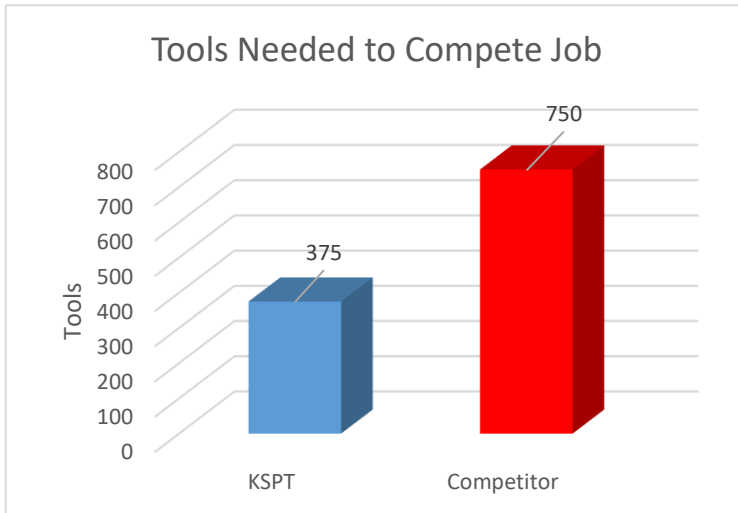


KSPT's Z-Carb doubled the production of the competitor's high-performance end mill.



RESULTS

The overall findings of this study indicate that **KSPT's Z-Carb doubled the productivity of the competitor's tool**, while at the same time **reducing the number of tools needed by 50%**. When you combine that with the **60% reduction in new tool cost**, the **customer saved \$24,062.50** on this job alone.



50%

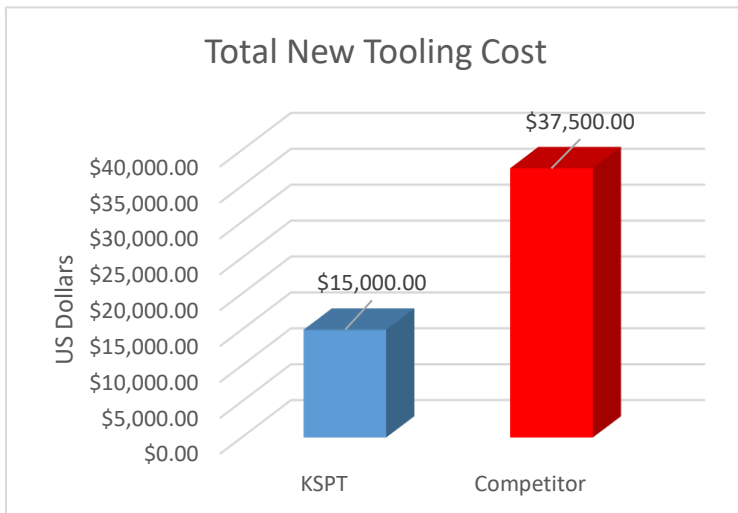
REDUCTION IN TOOLS NEEDED

60%

REDUCTION IN TOOLING COST

57%

REDUCTION IN COST / PART MADE



\$24,062.50

TOTAL JOB COST SAVINGS

