Z-Carb

Kyocera SGS Precision Tools Case Study

INDUSTRY
Aerospace

MATERIAL
CHT 100 Steel

PRODUCT
KSPT Z-Carb High Performance End Mill

APPLICATION
Milling

COMPETITOR
4-Flute HP End Mill

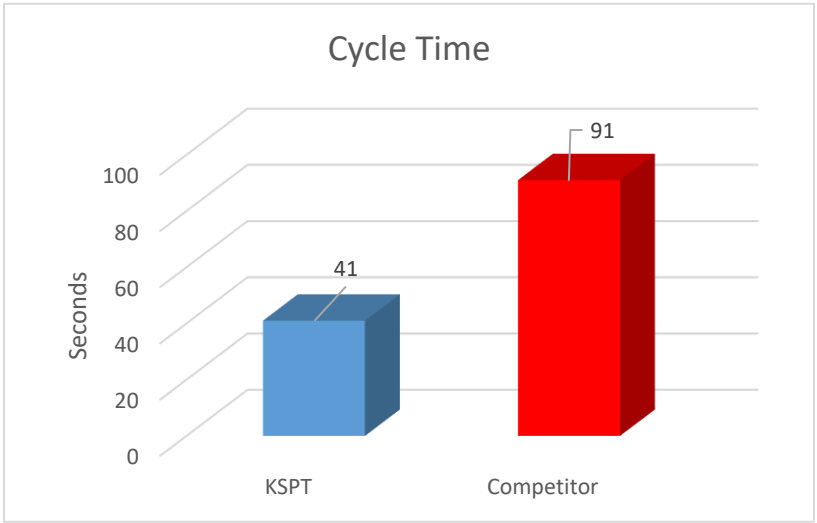
COOLANT
Flood

TOOL INFORMATION
.375” DIA / .875” LOC / 2.5” OAL

GOALS
The goals of this study were to significantly reduce costs through a decrease in cycle time and 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.

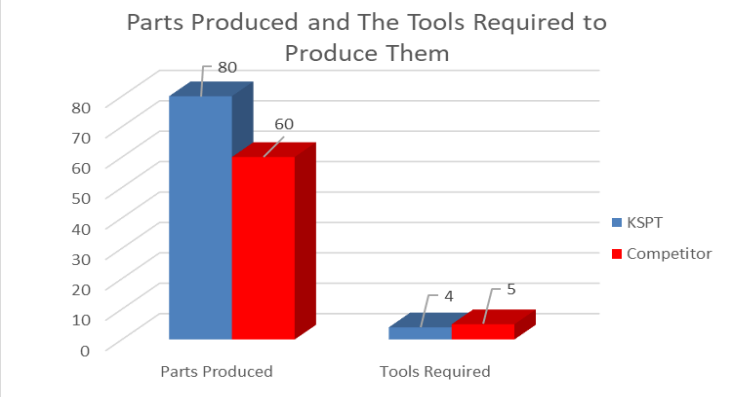
	KSPT	COMPETITOR
TOOL DIAMETER	.375”	.375”
SPEED	3764 RPM	3764 RPM
FEED	6 IPM	3.8 IPM
RADIAL CUT (AE)	.0900”	.0900”
AXIAL CUT (AP)	.2750"	.2750"



KSPT’s Z-Carb produced 25% more parts with 20% less tools!

RESULTS

The overall findings of this study indicate that despite KSPT's Z-Carb being listed almost 30% higher than the competitor, it produced 25% more parts with 20% less new tools in less than half the cycle time. All those factors contributed to 55% reduction in machining cost. When all was said and done, KSPT had saved the customer $19,985.67!



25%

INCREASE IN PRODUCTION PER TOOL

53%

REDUCTION IN TOOLING COST

55%

REDUCTION IN MACHINING COST

$19,985.67

TOTAL JOB COST SAVINGS